Prepared for Southern California Edison

SAN ONOFRE

NUCLEAR GENERATING STATION

(SONGS)

RCRA PART C HAZARDOUS WASTE FACILITY

PERMIT RENEWAL – Parts A & B

DECEMBER 2013

SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

Prepared by: BHI energy | Bartlett

INTRODUCTION

San Onofre Nuclear Generating Station (SONGS) hereby submits to the California Department of Toxic Substances Control (DTSC) a Resource Conservation and Recovery Act (RCRA) Hazardous Waste Facility Permit Renewal Application. This renewal application has been prepared in accordance with the RCRA of 1976 as amended by the Hazardous and Solid Waste Amendments of 1984 and the California Health and Safety Code.

SONGS is an existing facility authorized to store mixed waste pursuant to Interim Status by submittal of a Part A application to the United States Environmental Protection Agency on March 22, 1989. Some hazardous and mixed wastes are treated at the facility under Conditional Authorization and Conditional Exemption under DTSC's Tiered Permitting Program. SONGS submitted a revised Part A application on March 31, 1998 which identified a portion of the HazMat Area – South Yard Facility and the Multi-Purpose Handling Facility for the storage of mixed wastes. As described in greater detail in the United States Environmental Protection Agency's Policy on Enforcement of RCRA Section 3004(j), Storage Prohibition at Facilities Generating Mixed Radioactive/Hazardous waste dated April 26, 1996 and extended on April 9, 1998, there is a nationwide lack of available treatment, storage, and disposal options for certain types of mixed waste. Thus, the storage of mixed waste is a necessity at SONGS due to the lack of commercial off-site treatment or disposal facilities to accept their mixed wastes.

SONGS submitted a Class 2 Permit Modification Request to DTSC on August 13, 1999 in accordance with Consent Order; docket number HWCA 96/97-2015. The Part A application was revised in the modification request as follows:

- Administrative and informational changes
- Storage design capacity increase
- Additional storage locations
- Additional individual container types
- Additional hazardous waste types
- Deletion of all treatment capability

In January 2001, SONGS submitted a permit renewal application, which included the documentation required for the Part A and Part B Hazardous Waste Facility Permit Application, as identified in Title 22, California Code of Regulations, Section 66264 and 66270. The Application was entitled, *Hazardous Waste Permit Application, Storage of Mixed Waste, San Onofre Nuclear Generating Station.* The SONGS Hazardous Waste Facility Permit (Permit Number 04-BRK-09), was subsequently issued with an effective date of January 31, 2005 and an expiration date of January 30, 2015.

In this December 2013 renewal permit application, SONGS has included, or referenced, all required documents. These include, but are not limited to, several written documents, such as formal operating procedures, waste management practices and activities, training programs, and the Facility Emergency Plan. In the last few months, the decision was made to terminate power generation operations and proceed with decommissioning the SONGS commercial nuclear power facility. As a result, SONGS is in transition with a recently implemented decommissioning organization currently amending the NRC license, governing programs, documents and procedures. As a result, these are in various stages of revision. Specifically, SONGS is transitioning toward scaling back on its in house capabilities for all functions normally performed by full time utility staff personnel

and moving toward establishing agreements, memorandums of understanding with municipalities and contracting licensed, bonded and registered/licensed contractors to perform these functions, as appropriate.

Plant personnel manage all hazardous waste generated at SONGS as radioactive until testing proves otherwise. All mixed waste is managed in accordance with USNRC regulations. The activities related to the lawful, reasonable and customary practices associated with the management of the radioactive component of mixed waste, radioactive materials and radioactive wastes are not included in their entirety in this Operation Plan since DTSC's oversight is limited to the hazardous portion of the mixed waste.

This Part A application renewal includes the following modifications:

- Administrative and informational changes
- Removal of the Unit 1 NPDES permit with discharge rerouted to Unit 2 and 3 outfalls
- Cessation of power generation operations and transition to decommissioning
- Organizational changes, including a new operator and owner contact

As many of the programs and documents are in transition, this permit renewal application only references, and does not include as part of the permit application, station procedures, contingency plans and programs; these are described in the appropriate sections of this submittal. The procedures referenced will remain active, and are being amended to ensure current versions of these are forwarded to the California Department of Toxic Substances Control (DTSC) once issued. When the SONGS Hazardous Waste Facility Permit (Permit Number 04-BRK-09) renewal permit is finalized and issued, SONGS will ensure DTSC is provided with the latest version of these referenced documents.

TERMINOLOGY

The following list of terms and definitions were selected to assist the reader. The sources of information include various regulations and utility research reports prepared by the Electric Power Research Institute (EPRI). This list is not considered an exhaustive list, but simply a list of commonly used terms.

22 CCR, 23 CCR

Sections in Title 22 or Title 23 of the California Code of Regulations (formerly the California Administrative Code) are abbreviated as 22 CCR (section number) or 23 CCR (section number).

40 CFR

Sections in Title 40 of the Code of Federal Regulations are cited as 40 CFR (section number).

DTSC

The DTSC is the California Department of Toxic Substance Control, sometimes referenced as the "Department".

Facility

The "facility" is the San Onofre Nuclear Generating Station, San Diego County, California and consists of approximately 84 acres.

Hazardous Waste Permit Application

The permit application is for the renewal of an existing RCRA Hazardous Waste Facility Permit for San Onofre Nuclear Generating Station. The application was prepared by Bartlett Nuclear, Inc. and includes Part A and Part B as required by CCR, title 22, Section 66270.10(a). The Part A is generally addressed in Section 1.0 and Attachment 1-3. Part B of this application is addressed in Sections 2.0 through 11.0 and may also be referenced as the Operation Plan.

HSC

Citations to sections in Division 20 of the California Health and Safety Code are abbreviated as HSC (section number).

Permittee

The "Permittee" is Edison International and Southern California Edison, owner and operator of the San Onofre Nuclear Generating Facility (facility).

RCRA

The Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976, as amended, (Title 42, United States Code, Section 6901, et. seq.) and the Hazardous and Solid Waste Amendments of 1984, is referred to in this permit as RCRA.

TERMINOLOGY, continued

Regional Administrator

The Regional Administrator is the Chief, Facility Permitting Branch, of Region 1 of the DTSC. The Branch Chief is an authorized signatory representative of the Director, and the Deputy Director, of DTSC.

Regional Board

The "Regional Board" is the California Regional Water Quality Control Board – San Diego Region, typically abbreviated RWQCB.

State Board

The "State Board" is the California State Water Resources Control Board.

Supervisor, Environmental Services

The position Supervisor, Environmental Services is also synonymous with the position of Environmental specialist under the revised SONGS organizational chart.

ACRONYMS

Acronym	Definition
ACM	Asbestos-Containing Material
BP	Batch Plant (now called South Yard Facility)
CCR	California Code of Regulation
CMIP	Corrective Measures Implementation Plan
CMS/RA	Corrective Measures Study/Risk Assessment
COC	Constituents of Concern
DHS	Department of Health Services (former organization; replaced with DTSC)
DTSC	Department of Toxic Substances Control
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
HSAW	High Specific Activity Waste
HSC	Health and Safety Code - Division 20 of the California Hazardous Waste Control Law
LSAW	Low Specific Activity Waste
MLLW	Mean Low Lower Water
mph	Miles per Hour
MPHF	Multi-Purpose Handling Facility
MWe	Megawatts Electric
NPDES	National Pollutant Discharge Elimination System
OES	California Office of Emergency Services
PCB	Polychlorinated biphenyl
QA/QC	Quality Assurance and Quality Control
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RWQCB	Regional Water Quality Control Board
SIC	Standard Industrial Classification
STLC	Soluble Threshold Limit Concentration
SWMU	Solid Waste Management Unit
SYF	South Yard Facility (historically known as the Batch Plant)
TSD	Treatment, Storage or Disposal
TTLC	Total Threshold Limit Concentration
USGS	U.S. Geological Survey
WDR	Waste Discharge Requirements

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Section 1.0

GENERAL INFORMATION

1.0 GENERAL INFORMATION

1.1 Facility Information

San Onofre Nuclear Generating Station (SONGS) is a nuclear power generating facility owned and operated by Southern California Edison (SCE). SONGS is located in San Diego County approximately five miles south of San Clemente, California on the seaward side of Interstate 5 (I- 5). A topographic map that shows the location of the plant is presented as Attachment 1 -1 (Location Map).

The SONGS facility consists of three pressurized water reactors (PWRs) (Units 1, 2 and 3) with a total capacity of approximately 2,200 MWe (megawatts electric). Unit 1 was permanently shut down in 1999, has been decommissioned and partially demolished. Units 2 and 3 ceased power operation in September of 2013 and the decommissioning of these units is in the planning phase. The decommissioning organization has been established and has initiated the planning phase for the decommissioning, and updating all licenses, programs and procedures to reflect the site's new status and projected mission. A Site Map is presented as Attachment 1-2 and shows:

1. The area extending at least one mile beyond the boundaries of the San Onofre Nuclear Generating Station.
2. The property boundaries of the plant.
3. The locations of each hazardous waste unit at the plant.
4. The locations of each intake and discharge structure of the plant.
5. The location of surface water bodies within one quarter mile.

The water in the "primary system" of the SONGS PWRs is maintained at a pressures lower than operating pressures (2,250 pounds per square inch) when shut down, and remains in a liquid state at temperatures lower than operating temperatures (>600 degrees F). This primary water, which contains radioactive materials, is separate from the water that is converted to steam on the "secondary" side of the steam generators (the Secondary System). During operation, the Primary water passes through the tubes of the steam generators, where it transfers heat to the secondary water, which is at a lower pressure (900 pounds per square inch). This secondary water is converted to steam and the steam drives the turbines and generators, producing electricity. With Units 2 and 3 permanently shut down, the primary and secondary water continues to be processed through water purification systems, including ion exchange demineralizers, activated carbon and filtration. As decommissioning continues, this water will be dispensed with in accordance with established Nuclear Regulatory Commission regulations and nuclear industry protocols. Mixed hazardous waste may be generated during different phases of the decommissioning, including the primary system decontamination of both units 2 and 3. Several different proven industry processes are currently under evaluation, with one of the objectives being minimization of hazardous wastes, including mixed hazardous wastes.

1.2 Hazardous Waste Management Facilities Being Permitted

This Hazardous Waste Permit Renewal Application is being submitted specifically for three areas at the plant that are used to store mixed wastes. The primary sources of routine mixed wastes are chemical or mechanical cleaning of the steam generators, condensers, water boxes, turbines, etc. The pumps that circulate the cooling waters contain oil and the overall maintenance and painting of the radioactive components generates various other types of mixed waste. As mentioned earlier, the decommissioning of Units 2 and 3 may generate mixed waste (primarily decontamination agents including organic and aqueous chemical solvents, asbestos, blast grit and lead). The following list

summarizes the three mixed waste storage areas included in this permit application:

- HazMat Area - South Yard Facility (SYF)
- Multi-Purpose Handling Facility (MPHF): Low Specific Activity Waste (LSAW)
- Multi-Purpose Handling Facility (MPHF): High Specific Activity Waste (HSA

W) The design and process information for the storage areas is described in detail in Section 4.0.

-

1.3 Owner/Operator Information

The name, address, and telephone number of the owner/operator and the facility, EPA identification number, type of facility and Standard Industrial Classification (SIC) code are provided in this section. As discussed more fully in Section 2.0, Public Law 88-82 approved July 30, 1963 authorized the Secretary of the Navy to enter into an easement with SCE for the construction, operation, maintenance and use of a nuclear electric generating station on a parcel of land known as the U. S. Marine Corps Base, Camp Pendleton, California. Upon termination of the easement, SCE must restore the land to certain requirements specified in the easement. The facility is located entirely on Camp Pendleton Property and is not on any Indian lands. Consistent with the NRC license and all other legal and binding documents for the operation of a nuclear power plant, the following information is provided:

Owner:	Southern California Edison Company 2244 Walnut Grove Avenue Rosemead, CA 91770
Operator:	Southern California Edison Company San Onofre Nuclear Generating Station 5000 Pacific Coast Highway San Clemente, CA 92672 (949) 368-6829
EPA ID No:	CAD 000630921
Type of Facility:	Electric
Services NAIC Code:	221113

1.4 Contact

The contact with regard to the Hazardous Waste Permit Application is:

Paul Elliot, Environmental Specialist
San Onofre Nuclear Generating Station
P.O. Box 128 (W-44)
San Clemente, CA
92674 (949) 368-6829

1.5 Application Preparer

BHI Energy
Bartlett Nuclear, Incorporated.
60 Industrial Park Road
Plymouth, Massachusetts 02360
(508) 591-1299

1.6 Part A Application

The Part A of this hazardous waste facility permit application (EPA Form 8700-23) is presented in Attachment 1-3.

1.7 ENVIRONMENTAL PERMITS

SONGS operates under three permits issued by the San Diego Regional Water Quality Control Board. None of these permits are required for the operation of the storage facilities listed in the Application. The permits are summarized as follows:

NPDES Permit Number CA0108073 (WDR Order No. 99-47)

Adopted August 11, 1999, this NPDES permit allows the use of seawater for once-through cooling water in the operation of Unit 2.

NPDES Permit Number CA0108181 (WDR Order No. 99-48)

Adopted August 11, 1999, this NPDES permit allows the use of seawater for once-through cooling water in the operation of Unit 3.

SONGS operates as an existing facility authorized to store mixed waste pursuant to Hazardous Waste Facility Permit Number 04-BRK-09 issued by DTSC to the San Onofre Nuclear Generation Site (SONGS); effective January 31, 2005, and due to expire January 31, 2015. .

The SONGS operates under individual APCD Permits to operate ancillary equipment used to maintain and operate a power plant. None of these permits are required for the operation of the storage facilities listed in the Application.

1.8 CERTIFICATIONS

The following certification applies to the entire Hazardous Waste Permit Application including those documents included by reference.

The material and data in this Application were prepared under the supervision and direction of the undersigned. This Application was prepared in accordance with good engineering principles and practices and meets the requirements set forth in the California Code of Regulations, Title 22, Sections 264 and 270.

In preparing this application, previous applications and technical reports, prepared by others, were used as the basis for this application. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report. <...

The data, opinions, conclusions, and recommendations contained in this report are based on my understanding of the site at this time and, to the best of my knowledge are accurate and complete.

_____

David A. Montt, MS, MSChE, CHP # BHP 03295 Date
Senior Engineer
BHI Energy
Bartlett Nuclear, Incorporated
60 Industrial Park Road
Plymouth, Massachusetts, 02360

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

Recommended by:

_____

Paul Elliot Date
Environmental Specialist
Southern California Edison, SONGS

Approved:

_____

Andrew Martinez Date
Manager, Radiation Protection and Chemistry
Southern California Edison, SONGS

WASTE MINIMIZATION CERTIFICATION

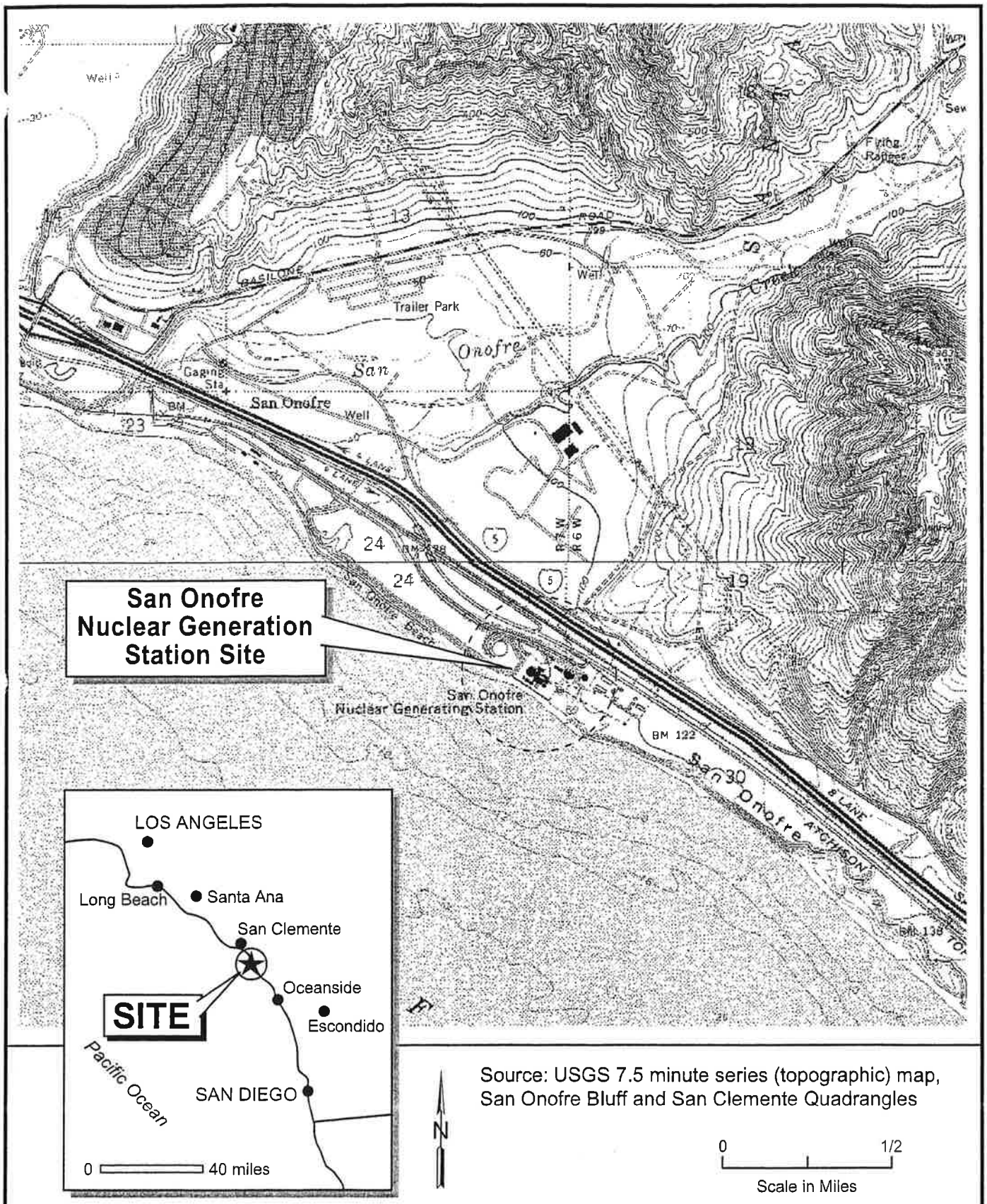
"I certify that Southern California Edison Company, San Onofre Nuclear Generating Station, has a program in place to reduce the volume and toxicity of mixed waste that Southern California Edison generates to the degree determined by Southern California Edison to be economically practicable; and the proposed method of transfer, treatment and storage is that practicable method currently available to Southern California Edison which minimizes the present and future threat to human health and the environment. "

_____
Date

_____
Andrew Martinez
Manager, Radiation Protection and Chemistry
Southern California Edison, SONGS

Attachment 1-1

LOCATION MAP



Source: USGS 7.5 minute series (topographic) map, San Onofre Bluff and San Clemente Quadrangles

0 1/2
Scale in Miles

SITE LOCATION MAP

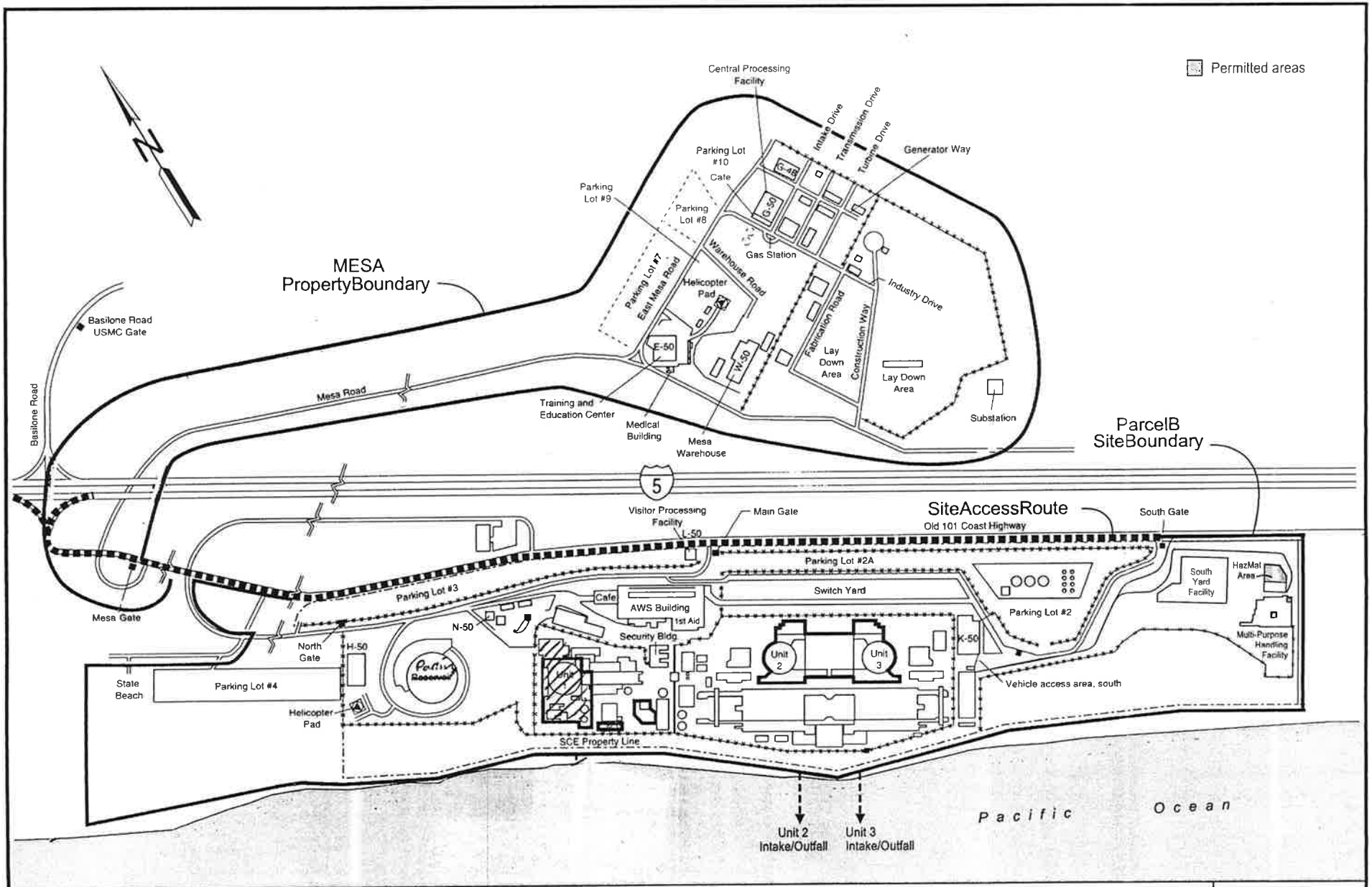
San Onofre Nuclear Generating Station

Southern California Edison, San Diego County, California

Figure **1-1**

Attachment 1-2

SITE MAP



NOTE: The Site Plan for the operating plant is shown for reference and does not include changes made for Decommissioning.

SITEMAP

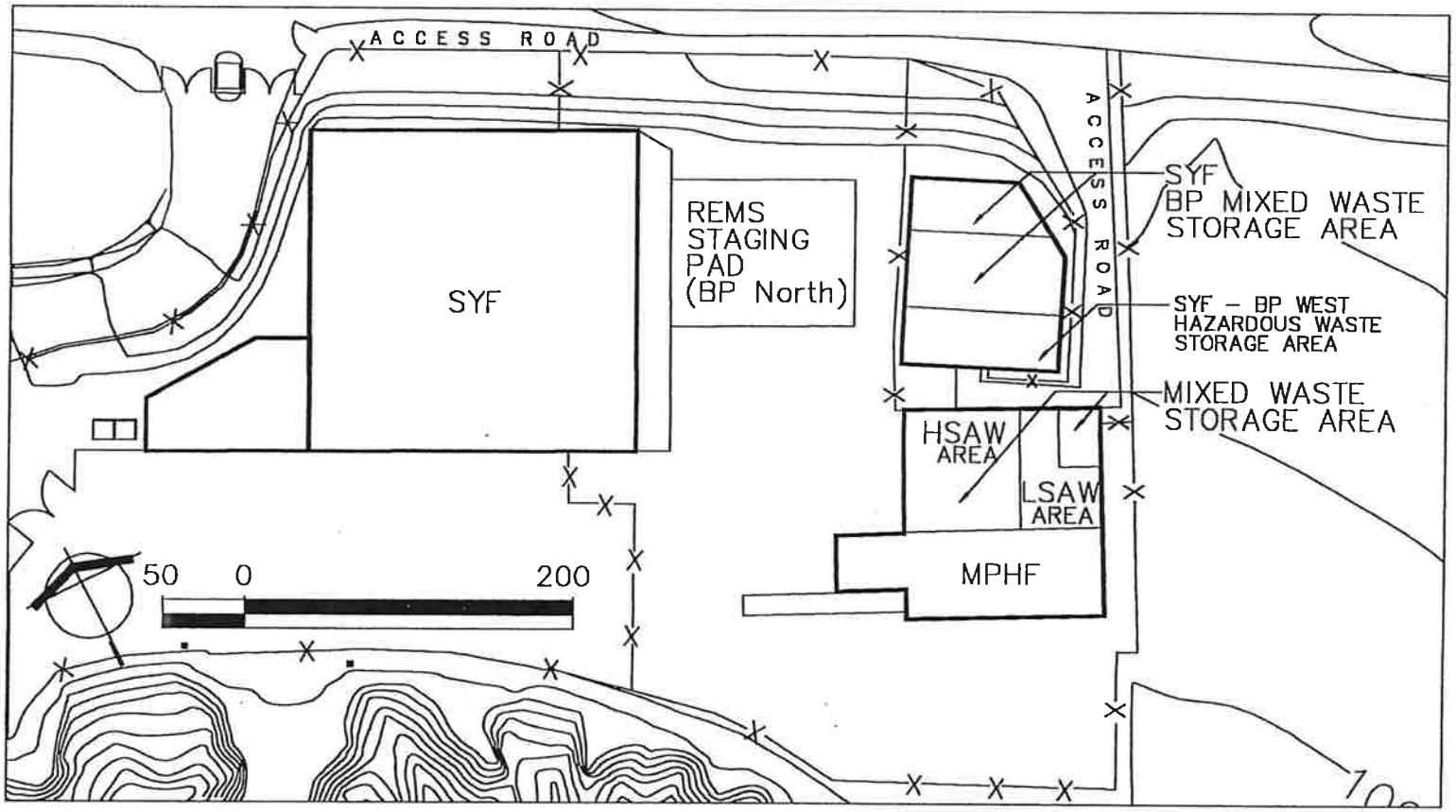
SanOnofreNuclearGeneratingStation

SouthernCaliforniaEdison,SanDiegoCounty,California

Figure

1-2

SCALE: 1" =100'-0"



REMS = RADIOACTIVE EQUIPMENT MATERIAL STORAGE
HSAW = HIGH SPECIFIC ACTIVITY WASTE
LSAW = LOW SPECIFIC ACTIVITY WASTE
SYF = SOUTH YARD FACILITY
BP = BATCH PLANT (115' X 94')
MPHF - MULTIPURPOSE HANDLING FACILITY (119' X 130')

Attachment 1-3

PART A APPLICATION

OMB# 2050-0024; Expires 12/31/2014

SEND COMPLETED FORM TO: The Appropriate State or Regional Office.	United States Environmental Protection Agency **RCRA SUBTITLE C SITE IDENTIFICATION FORM**

1. Reason for Submittal

MARK ALL BOX(ES) THAT APPLY

Reason for Submittal:

- ☐ To provide an Initial Notification (first time submitting site identification information / to obtain an EPA ID number for this location)
- ☒ To provide a Subsequent Notification (to update site identification information for this location)
- ☐ As a component of a First RCRA Hazardous Waste Part A Permit Application
- ☒ As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment #_____)
- ☐ As a component of the Hazardous Waste Report (If marked, see sub-bullet below)
  - ☐ Site was a TSD facility and/or generator of ≥1,000 kg of hazardous waste, >1 kg of acute hazardous waste, or >100 kg of acute hazardous waste spill cleanup in one or more months of the report year (or State equivalent LQG regulations)

2. Site EPA ID Number

EPA ID Number CAD000630921

3. Site Name

Name: SAN ONOFRE NUCLEAR GENERATING STATION (SONGS)

4. Site Location Information

Street Address: 5000 PACIFIC COAST HIGHWAY

City, Town, or Village: SAN CLEMENTE **County:** SAN DIEGO

State: CALIFORNIA **Country:** U.S.A. **Zip Code:** 92672

5. Site Land Type

☐ Private ☐ County ☐ District ☒ Federal ☐ Tribal ☐ Municipal ☐ State ☐ Other

6. NAICS Code(s) for the Site (at least 5-digit codes)

A. 22111 3 C. _____

B. _____ D. _____

7. Site Mailing Address

Street or P.O. Box: PO BOX 128 W44

City, Town, or Village: SAN CLEMENTE

State: CALIFORNIA **Country:** SAN DIEGO **Zip Code:** 92674-0128

8. Site Contact Person

First Name: PAUL **MI:** **Last:** ELLIOT

Title: ENVIRONMENTAL SPECIALIST

Street or P.O. Box: 5000 PACIFIC COAST HIGHWAY

City, Town or Village: SAN CLEMENTE

State: CALIFORNIA **Country:** SAN DIEGO **Zip Code:** 92672

Email: paul.elliot@sce.com

Phone: (949) 368-6375 **Ext.:** DIRECT LINE **Fax:** (949) 368-9167

9. Legal Owner and Operator of the Site

A. Name of Site's Legal Owner: UNITED STATES AMERICA **Date Became Owner:** 03/28/1879

Owner Type: ☐ Private ☐ County ☐ District ☒ Federal ☐ Tribal ☐ Municipal ☐ State ☐ Other

Street or P.O. Box: CAMP PENDLETON

City, Town, or Village: SAN CLEMENTE **Phone:** (760) 725-4111

State: CALIFORNIA **Country:** SAN DIEGO **Zip Code:** 92055-5020

B. Name of Site's Operator: SOUTHERN CAL EDISON **Date Became Operator:** 03/23/1989

Operator Type: ☒ Private ☐ County ☐ District ☐ Federal ☐ Tribal ☐ Municipal ☐ State ☐ Other

EPA ID Number |C|A|D|0|0|0|6|3|0|9|2|1| OMB#: 2050-0024; Expires 12/31/2014

0. Type of Regulated Waste Activity (at your site)
Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.

A. Hazardous Waste Activities; Complete all parts 1-10.

Y☐ N☐ **1. Generator of Hazardous Waste**
If "Yes", mark only one of the following – a, b, or c.

☒ a. LQG: Generates, in any calendar month, 1,000 kg/mo (2,200 lbs./mo.) or more of hazardous waste; **or** Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lbs./mo) of acute hazardous waste; **or** Generates, in any calendar month, **or** accumulates at any time, more than 100 kg/mo (220 lbs./mo) of acute hazardous spill cleanup material.

☐ b. SQG: 100 to 1,000 kg/mo (220 – 2,200 lbs./mo) of non-acute hazardous waste.

☐ c. CESQG: Less than 100 kg/mo (220 lbs./mo) of non-acute hazardous waste.

If "Yes" above, indicate other generator activities in 2-4.

Y☐ N☒ **2. Short-Term Generator** (generate from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section.

Y☐ N☒ **3. United States Importer of Hazardous Waste**

Y☒ N☐ **4. Mixed Waste (hazardous and radioactive) Generator**

Y☐ N☒ **5. Transporter of Hazardous Waste**
If "Yes", mark all that apply.

☐ a. Transporter

☐ b. Transfer Facility (at your site)

Y☒ N☐ **6. Treater, Storer, or Disposer of Hazardous Waste** Note: A hazardous waste Part B permit is required for these activities.

Y☐ N☒ **7. Recycler of Hazardous Waste**

Y☐ N☒ **8. Exempt Boiler and/or Industrial Furnace**
If "Yes", mark all that apply.

☐ a. Small Quantity On-site Burner Exemption

☐ b. Smelting, Melting, and Refining Furnace Exemption

Y☐ N☒ **9. Underground Injection Control**

Y☐ N☒ **10. Receives Hazardous Waste from Off-site**

B. Universal Waste Activities; Complete all parts 1-2.

Y☐ N☒ **1. Large Quantity Handler of Universal Waste (you accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste managed at your site. If "Yes", mark all that apply.**

a. Batteries ☐
b. Pesticides ☐
c. Mercury containing equipment ☐
d. Lamps ☐
e. Other (specify) _____ ☐
f. Other (specify) _____ ☐
g. Other (specify) _____ ☐

Y☐ N☒ **2. Destination Facility for Universal Waste**
Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities; Complete all parts 1-4.

Y☐ N☒ **1. Used Oil Transporter**
If "Yes", mark all that apply.

☐ a. Transporter

☐ b. Transfer Facility (at your site)

Y☐ N☒ **2. Used Oil Processor and/or Re-refiner**
If "Yes", mark all that apply.

☐ a. Processor

☐ b. Re-refiner

Y☐ N☒ **3. Off-Specification Used Oil Burner**

Y☐ N☒ **4. Used Oil Fuel Marketer**
If "Yes", mark all that apply.

☐ a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner

☐ b. Marketer Who First Claims the Used Oil Meets the Specifications

D. Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K

❖ You can **ONLY** Opt into Subpart K if:

- you are at least one of the following: a college or university; a teaching hospital that is owned by or has a formal affiliation agreement with a college or university; or a non-profit research institute that is owned by or has a formal affiliation agreement with a college or university; AND
- you have checked with your State to determine if 40 CFR Part 262 Subpart K is effective in your state

Y☐ N☐ 1. Opting into or currently operating under 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories **See the item-by-item instructions for definitions of types of eligible academic entities. Mark all that apply:**

☐ a. College or University

☐ b. Teaching Hospital that is owned by or has a formal written affiliation agreement with a college or university

☐ c. Non-profit Institute that is owned by or has a formal written affiliation agreement with a college or university

Y☐ N☐ 2. Withdrawing from 40 CFR Part 262 subpart K for the managment of hazardous waste in laboratories.

11. Description of Hazardous Waste

A. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D002, F007, U112). Use an additional page if more spaces are needed.

D001	F001					
D002	F002					
D005	F003					
D006	F005					
D007	U133					
D008						
D009						
D010						
D011						

B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes. Please list the waste codes of the State-Regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed.

122	214	343	722	751		
123	221	351	723	791		
131	222	352	724	792		
132	223	431	725			
135	241	461	726			
151	341	491	727			
181	342	551	741			

12. Notification of Hazardous Secondary Material (HSM) Activity

Y☐ N☒ Are you notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 261.2(a)(2)(ii), 40 CFR 261.4(a)(23), (24), or (25)?

If "Yes", you must fill out the Addendum to the Site Identification Form: Notification for Managing Hazardous Secondary Material.

13. Comments

14. Certification. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. For the RCRA Hazardous Waste Part A Permit Application, all owner(s) and operator(s) must sign (see 40 CFR 270.10(b) and 270.11).

Signature of legal owner, operator, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
	Andrew Martinez, Radiation Protection Manager	December 31, 2013

FORM NOT APPLICABLE

EPA ID Number |C|A|D|0|0|0|6|3|0|9|2|1| OMB#: 2050-0024; Expires 12/31/2014

ADDENDUM TO THE SITE IDENTIFICATION FORM:
NOTIFICATION OF HAZARDOUS SECONDARY MATERIAL ACTIVITY

ONLY fill out this form if:

- You are located in a State that allows you to manage excluded hazardous secondary material (HSM) under 40 CFR 261.2(a)(2)(ii), 261.4(a)(23), (24), or (25) (or state equivalent). See http://www.epa.gov/epawaste/hazard/dsw/statespf.htm for a list of eligible states; **AND**
- You are or will be managing excluded HSM in compliance with 40 CFR 261.2(a)(2)(ii), 261.4(a)(23), (24), or (25) (or state equivalent) **or** you have stopped managing excluded HSM in compliance with the exclusion(s) and do not expect to manage any amount of excluded HSM under the exclusion(s) for at least one year. Do not include any information regarding your hazardous waste activities in this section.

1. Indicate reason for notification. Include dates where requested.

☐ Facility will begin managing excluded HSM as of _____ (mm/dd/yyyy).

☐ Facility is still managing excluded HSM/re-notifying as required by March 1 of each even-numbered year.

☐ Facility has stopped managing excluded HSM as of _____ (mm/dd/yyyy) and is notifying as required.

2. Description of excluded HSM activity. Please list the appropriate codes and quantities in **short tons** to describe your excluded HSM activity ONLY (do not include any information regarding your hazardous wastes). Use additional pages if more space is needed.

a. Facility code (answer using codes listed in the Code List section of the instructions)	**b. Waste code(s) for HSM**	**c. Estimated short tons of excluded HSM to be managed annually**	**d. Actual short tons of excluded HSM that was managed during the most recent odd-numbered year**	**e. Land-based unit code** (answer using codes listed in the Code List section of the instructions)

3. Facility has financial assurance pursuant to 40 CFR 261.4(a)(24)(vi). (Financial assurance is required for reclaimers and intermediate facilities managing excluded HSM under 40 CFR 261.4(a)(24) and (25))

Y☐ N☐ Does this facility have financial assurance pursuant to 40 CFR 261.4(a)(24)(vi)?

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EPA ID Number CAD000630921

OMB#: 2050-0024; Expires 12/31/2014

United States Environmental Protection Agency

HAZARDOUS WASTE PERMIT INFORMATION FORM

1. Facility Permit Contact	First Name: PAUL	MI:	Last Name: ELLIOT
	Contact Title: ENVIRONMENTAL SPECIALIST		
	Phone: (949) 368-6375	Ext.: NA	Email: paul.elliot@sce.com
2. Facility Permit Contact Mailing Address	Street or P.O. Box: 5000 PACIFIC COAST HIGHWAY		
	City, Town, or Village: SAN CLEMENTE		
	State: CALIFORNIA		
	Country: SAN DIEGO	Zip Code: 92672	
3. Operator Mailing Address and Telephone Number	Street or P.O. Box: PO BOX 128 W44		
	City, Town, or Village: SAN CLEMENTE		
	State: CALIFORNIA	Phone: (949) 368-6829	
	Country: SAN DIEGO	Zip Code: 92674	
4. Facility Existence Date	Facility Existence Date (mm/dd/yyyy): 03/23/1989		

5. Other Environmental Permits

A. Facility Type (Enter code)	B. Permit Number	C. Description
N	CA0108073	UNIT 2 NPDES PERMIT
N	CA0108181	UNIT 3 NPDES PERMIT

6. Nature of Business:

ELECTRIC POWER GENERATION

7. Process Codes and Design Capacities – Enter information in the Section on Form Page 3

A. PROCESS CODE – Enter the code from the list of process codes below that best describes each process to be used at the facility. If more lines are needed, attach a separate sheet of paper with the additional information. For "other" processes (i.e., D99, S99, T04 and X99), describe the process (including its design capacity) in the space provided in Item 8.

B. PROCESS DESIGN CAPACITY – For each code entered in Item 7.A; enter the capacity of the process.

1. **AMOUNT – Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process.**
2. **UNIT OF MEASURE – For each amount entered in Item 7.B(1), enter the code in Item 7.B(2) from the list of unit of measure codes below that describes the unit of measure used. Select only from the units of measure in this list.**

C. PROCESS TOTAL NUMBER OF UNITS – Enter the total number of units for each corresponding process code.

Process Code	Process	Appropriate Unit of Measure for Process Design Capacity
	Disposal	
D79	Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day; or Liters Per Day
D80	Landfill	Acre-feet; Hectares-meter; Acres; Cubic Meters; Hectares; Cubic Yards
D81	Land Treatment	Acres or Hectares
D82	Ocean Disposal	Gallons Per Day or Liters Per Day
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards
D99	Other Disposal	Any Unit of Measure Listed Below
	Storage	
S01	Container	Gallons; Liters; Cubic Meters; or Cubic Yards
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards
S03	Waste Pile	Cubic Yards or Cubic Meters
S04	Surface Impoundment	Gallons; Liters; Cubic Meters; or Cubic Yards
S05	Drip Pad	Gallons; Liters; Cubic Meters; Hectares; or Cubic Yards
S06	Containment Building Storage	Cubic Yards or Cubic Meters
S99	Other Storage	Any Unit of Measure Listed Below
	Treatment	
T01	Tank Treatment	Gallons Per Day; Liters Per Day
T02	Surface Impoundment	Gallons Per Day; Liters Per Day
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; BTUs Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Gallons Per Day; Metric Tons Per Hour; or Million BTU Per Hour
T04	Other Treatment	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Short Tons Per Day; BTUs Per Hour; Gallons Per Day; Liters Per Hour; or Million BTU Per Hour
T80	Boiler	Gallons; Liters; Gallons Per Hour; Liters Per Hour; BTUs Per Hour; or Million BTU Per Hour

Process Code	Process	Appropriate Unit of Measure for Process Design Capacity (for T81 – T94)
	Treatment (Continued)	
T81	Cement Kiln	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; BTU Per Hour; Liters Per Hour; Kilograms Per Hour; or Million BTU Per Hour
T82	Lime Kiln	
T83	Aggregate Kiln	
T84	Phosphate Kiln	
T85	Coke Oven	
T86	Blast Furnace	
T87	Smelting, Melting, or Refining Furnace	
T88	Titanium Dioxide Chloride Oxidation Reactor	
T89	Methane Reforming Furnace	
T90	Pulping Liquor Recovery Furnace	
T91	Combustion Device Used in the Recovery of Sulfur Values from Spent Sulfuric Acid	
T92	Halogen Acid Furnaces	
T93	Other Industrial Furnaces Listed in 40 CFR 260.10	
T94	Containment Building Treatment	Cubic Yards; Cubic Meters; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; BTU Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million BTU Per Hour
	Miscellaneous (Subpart X)	
X01	Open Burning/Open Detonation	Any Unit of Measure Listed Below
X02	Mechanical Processing	Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; Kilograms Per Hour; Gallons Per Hour; Liters Per Hour; or Gallons Per Day
X03	Thermal Unit	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; BTU Per Hour; or Million BTU Per Hour
X04	Geologic Repository	Cubic Yards; Cubic Meters; Acre-feet; Hectare-meter; Gallons; or Liters
X99	Other Subpart X	Any Unit of Measure Listed Below

Unit of Measure	Unit of Measure Code
Gallons	G
Gallons Per Hour	E
Gallons Per Day	U
Liters	L
Liters Per Hour	H
Liters Per Day	V
Short Tons Per Hour	D
Short Tons Per Day	N
Metric Tons Per Hour	W
Metric Tons Per Day	S
Pounds Per Hour	J
Kilograms Per Hour	X
Million BTU Per Hour	X
Cubic Yards	Y
Cubic Meters	C
Acres	B
Acre-feet	A
Hectares	Q
Hectare-meter	F
BTU Per Hour	I

7. Process Codes and Design Capacities (Continued)

EXAMPLE FOR COMPLETING Item 7 (shown in line number X-1 below): A facility has a storage tank, which can hold 533.788 gallons.

Line Number		A. Process Code (From list above)			B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	(2) Unit of Measure	C. Process Total Number of Units	For Official Use Only					
X	1	S	0	2	533.788	G	001						
	1												
	2												
	3												
	4												
	5												
	6												
	7												
	8												
	9												
1	0												
1	1												
1	2												
1	3												

Note: If you need to list more than 13 process codes, attach an additional sheet(s) with the information in the same format as above. Number the line sequentially, taking into account any lines that will be used for "other" process (i.e., D99, S99, T04, and X99) in Item 8.

8. Other Processes (Follow instructions from Item 7 for D99, S99, T04, and X99 process codes)

Line Number (Enter #s in sequence with Item 7)		A. Process Code (From list above)			B. PROCESS DESIGN CAPACITY (1) Amount (Specify)	(2) Unit of Measure	C. Process Total Number of Units	For Official Use Only					
X	2	T	0	4	100.00	U	001						

9. Description of Hazardous Wastes - Enter Information in the Sections on Form Page 5

A. EPA HAZARDOUS WASTE NUMBER – Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR Part 261, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY – For each listed waste entered in Item 9.A, estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in Item 9.A, estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE – For each quantity entered in Item 9.B, enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure, taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in Item 9.A, select the code(s) from the list of process codes contained in Items 7.A and 8.A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all listed hazardous wastes.

For non-listed waste: For each characteristic or toxic contaminant entered in Item 9.A, select the code(s) from the list of process codes contained in Items 7.A and 8.A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

1. **Enter the first two as described above.**
2. **Enter "000" in the extreme right box of Item 9.D(1).**
3. **Use additional sheet, enter line number from previous sheet, and enter additional code(s) in Item 9.E.**

2. PROCESS DESCRIPTION: If code is not listed for a process that will be used, describe the process in Item 9.D(2) or in Item 9.E(2).

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER – Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. **Select one of the EPA Hazardous Waste Numbers and enter it in Item 9.A. On the same line complete Items 9.B, 9.C, and 9.D by estimating the total annual quantity of the waste and describing all the processes to be used to store, treat, and/or dispose of the waste.**
2. **In Item 9.A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In Item 9.D.2 on that line enter "included with above" and make no other entries on that line.**
3. **Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.**

EXAMPLE FOR COMPLETING Item 9 (shown in line numbers X-1, X-2, X-3, and X-4 below) – A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operations. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number		A. EPA Hazardous Waste No. (Enter code)				B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)	D. PROCESSES									
								(1) PROCESS CODES (Enter Code)									(2) PROCESS DESCRIPTION (If code is not entered in 9.D(1))
X	1	K	0	5	4	900	P	T	0	3	D	8	0				
X	2	D	0	0	2	400	P	T	0	3	D	8	0				
X	3	D	0	0	1	100	P	T	0	3	D	8	0				
X	4	D	0	0	2												Included With Above

9. Description of Hazardous Wastes *(Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)*

Line Number		A. EPA Hazardous Waste No. (Enter code)				B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter Code)									(2) PROCESS DESCRIPTION (If code is not entered in 9.D(1))
	1	D	0	0	1	45	T	S	0	1							paint/liquid/sludge/solid
	2	F	0	0	1			S	0	1							included with above (1)
	3	F	0	0	2			S	0	1							included with above (1)
	4	F	0	0	3			S	0	1							included with above (1)
	5	F	0	0	5			S	0	1							included with above (1)
	6	D	0	0	6			S	0	1							included with above (1)
	7	D	0	0	7			S	0	1							included with above (1)
	8	D	0	0	8			S	0	1							included with above (1)
	9	D	0	0	8	45	T	S	0	1							lead
1	0	D	0	0	9	1	T	S	0	1							mercury
1	1	F	0	0	2	15	T	S	0	1							freon filters
1	2	F	0	0	2	1	T	S	0	1							oil/trichloroethane
1	3	D	0	0	2	2.5	T	S	0	1							corrosive liq/solid sludge
1	4	U	1	3	3	2.0	T	S	0	1							hydrazine liq/spill residue
1	5		1	8	1	10	T	S	0	1							Non-RCRA SGCC solid/other inorg solid waste
1	6		1	8	1	25	T	S	0	1							Non-RCRA paint chips/absorbent/blast grit
1	7		2	2	1	15	T	S	0	1							Non-RCRA/waste/mixed/oil
1	8		2	2	2			S	0	1							included with above (17)
1	9		2	2	3			S	0	1							included with above (17)
2	0		1	2	3	1	T	S	0	1							unspecified alkaline sln
2	1		1	3	2	1	T	S	0	1							aqueous sln with metals
2	2		1	3	5	1	T	S	0	1							unspecified aqueous sln
2	3		1	5	1	1	T	S	0	1							asbestos containing waste
2	4		2	1	4	1	T	S	0	1							unspecified solvent mixture
2	5		2	4	1	1	T	S	0	1							tank bottom waste
2	6		3	4	1	1	T	S	0	1							organic liquid w/halogen
2	7		3	4	2	1	T	S	0	1							oganic liquids w/metals
2	8		3	4	3	1	T	S	0	1							unspecified org liq mixture
2	9		3	5	1	1	T	S	0	1							organic solids w/halogen
3	0		3	5	2	1	T	S	0	1							other organic solids
3	1		4	6	1	1	T	S	0	1							paint sludge
3	2		4	9	1	1	T	S	0	1							unspecified sludge waste
3	3	D	0	0	5	5	T	S	0	1							aqu metal containing wastes
3	4	D	0	0	5			S	0	1							included with above (33)
3	5	D	0	0	5			S	0	1							included with above (33)
3	6	D	0	0	5			S	0	1							included with above (33)

EPA ID Number |C|A|D|0|0|0|6|3|0|9|2|1| OMB#: 2050-0024; Expires 12/31/2014

9. Description of Hazardous Wastes ***(Continued. Use additional sheet(s) as necessary; number pages as 5a, etc.)***

' ine Number		A. EPA Hazardous Waste No. (Enter code)				B. Estimated Annual Qty of Waste	C. Unit of Measure (Enter code)	D. PROCESSES									
								(1) PROCESS CODES (Enter Code)									(2) PROCESS DESCRIPTION (If code is not entered in 9.D.1)
		D	0	0	9			S	0	1							included with above (33)
		D	0	1	0			S	0	1							included with above (33)
		D	0	1	1			S	0	1							included with above (33)

10. Map

Attach to this application a topographical map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all spring, rivers, and other surface water bodies in this map area. See instructions for precise requirements.

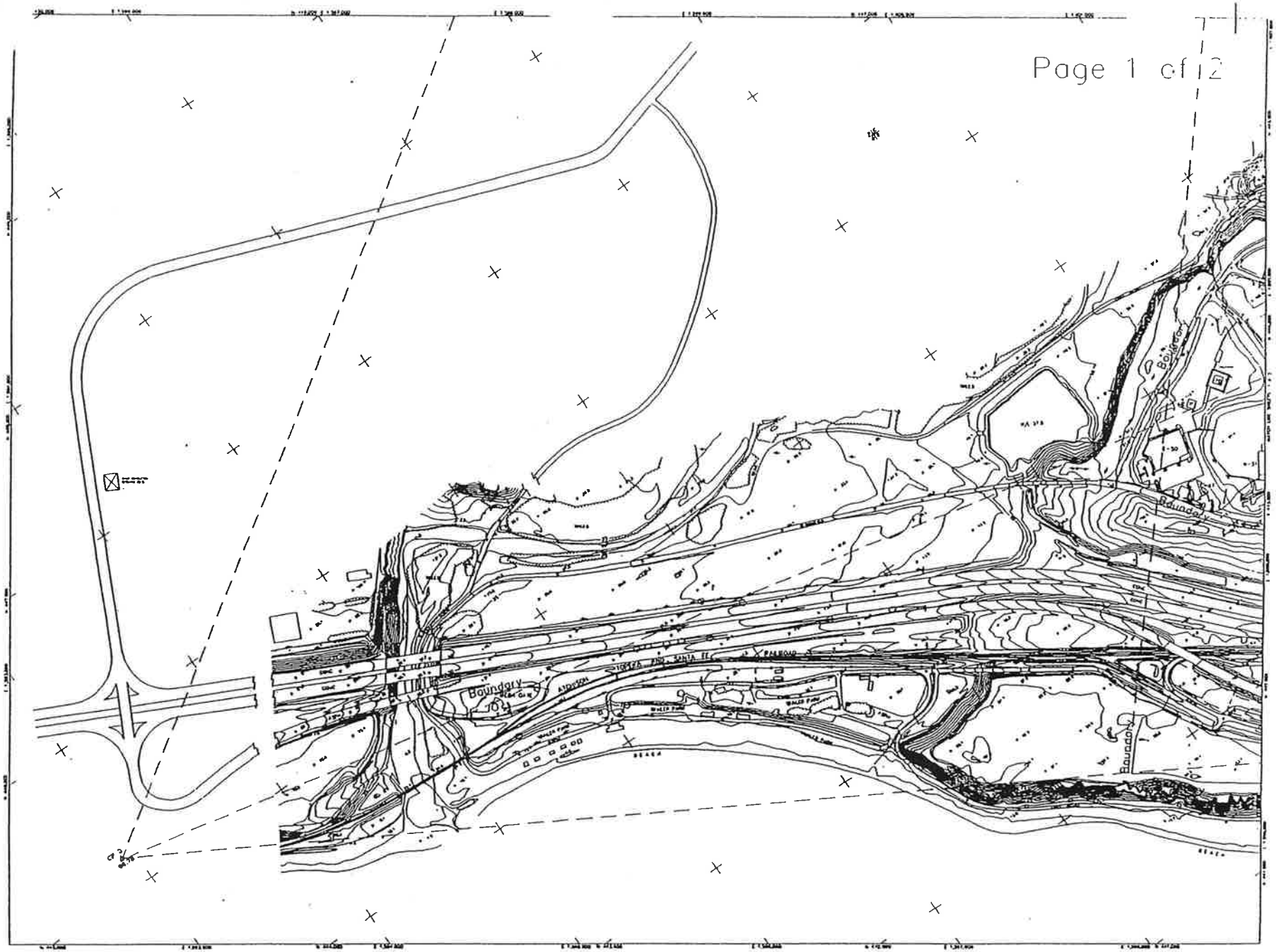
11. Facility Drawing

All existing facilities must include a scale drawing of the facility (see instructions for more detail).

12. Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment, and disposal areas; and sites of future storage, treatment, or disposal areas (see instructions for more detail).

13. Comments



AIRBORNE SYSTEMS, INC.

SCALE 1" = 200'

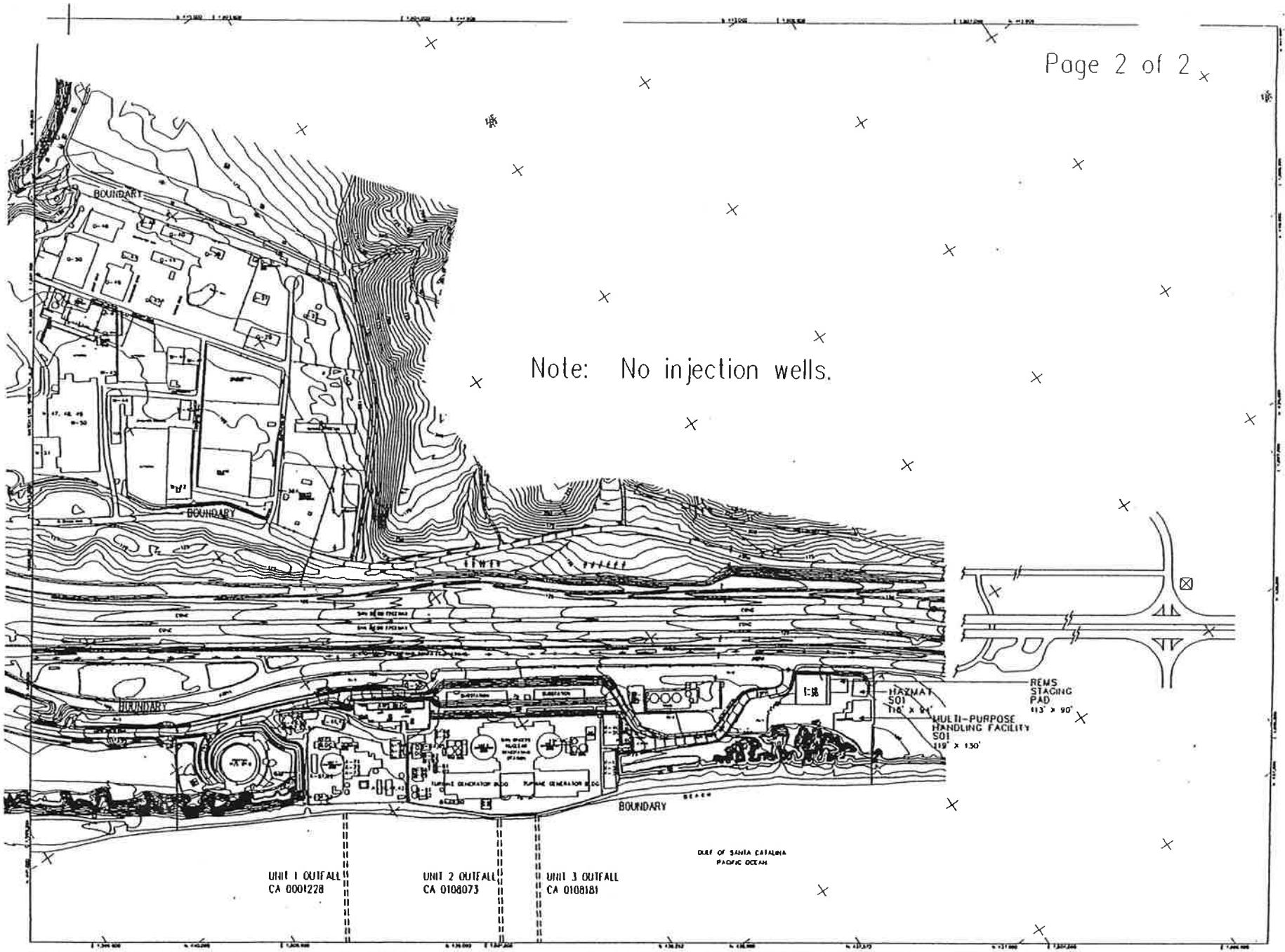
SHEET INDEX

SHEET 1 OF 2

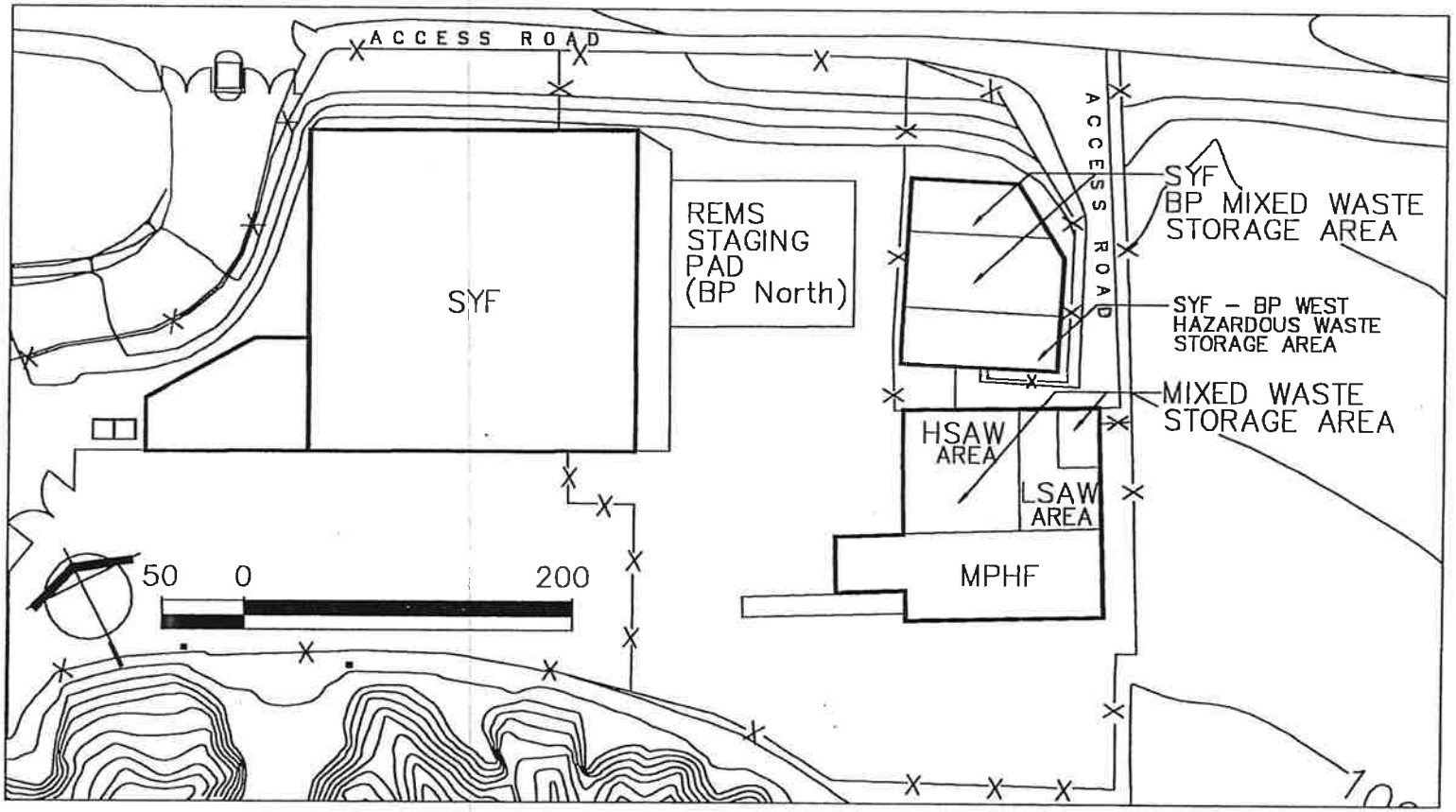
SONGS TOPO SITE

SAN CLEMENTE, CALIFORNIA

Note: No injection wells.



SCALE: 1" =100'-0"



REMS = RADIOACTIVE EQUIPMENT MATERIAL STORAGE
HSAW = HIGH SPECIFIC ACTIVITY WASTE
LSAW = LOW SPECIFIC ACTIVITY WASTE
SYF = SOUTH YARD FACILITY
BP = BATCH PLANT (115' X 94')
MPHF - MULTIPURPOSE HANDLING FACILITY (119' X 130')

Section 2.0

FACILITY DESCRIPTION

2.0 FACILITY DESCRIPTION

2.1 General Description

The San Onofre site is located on the coast of southern California in San Diego County approximately 62 miles southeast of Los Angeles and 51 miles northwest of San Diego. The site is located entirely within the boundaries of the United States Marine Corps Base, Camp Pendleton, California, near the northwest end of the 18-mile shoreline. The site is approximately 4500 feet long and 800 feet wide, comprising 84 acres. The decommissioned and partially demolished Unit 1 footprint occupies approximately 16 acres. The permanently shut down Units 2 and 3 occupy 52.8 acres including 27.7 acres for the power block and site switchyard and 25.1 acres for parking, access area and miscellaneous structures. Units 2 and 3 are located southeast of and immediately adjacent to Unit 1.

A permanent concrete seawall is provided along the seaward side of the site to protect the site against sea erosion. This seawall functions as a retaining wall. It is designed to assure that it will withstand, without loss of functional capability, the design basis earthquake followed by a tsunami, with coincident storm wave action. Along the base of the seawall is the public access way, which allows access between the beaches north and south of the station site.

Interstate Highway 5, which is an 8-lane freeway, and the Atchison, Topeka, and Santa Fe Railway pass within 1000 feet of the station site. An off-ramp and road provide access to the site from Interstate Highway 5. A railroad spur track is extended from the Unit 1 spur track to the Units 2 and 3 site.

The population of Camp Pendleton, which surrounds the San Onofre site, is extremely variable. It is expected, however, that the population will not exceed 51,000. No personnel will be quartered closer than 1 1/2 miles from the station site. The principal administrative and main personnel housing areas are located 12 to 15 miles to the southeast. The nearest sizable community is San Clemente (population in 2012 is approximately 64,900) located about 4 miles to the northwest. Oceanside and San Diego are 17 miles and 51 miles to the southeast of the site, respectively. The land uses and zoning extending at least 5 miles from the plant are shown in Attachment 2-1.

2.1.1 Facility Location

Assessor's Parcel Number	101-520-12
Latitude:	33°22'09" N
Longitude:	117°33'16" W
Township:	T9S
Range:	R6W and R7W
Sections:	Section 30 of T9S, R6W and Section 24 of T9S, R7W
Baseline and Meridian:	San Bernardino

2.1.2 Written Legal Description of the Property

The legal description of the property on which the storage areas and the power plant buildings are located is known as Parcel 8 and is described as follows:

> That portion of the Rancho Santa Margarita y Las Flores, as described in the Patent from the United States of America, dated March 28, 1879 and recorded in Book 7, page 18 et seq., of Patents in the office of the County Recorder of said County, being also portions of Section 24 in Township 9 South, Range 7 West and Section 30 in Township 9 South, Range 6 West, as shown on Record of Survey Map No. 794 filed January 17, 1940 in the office of said County Recorder.

A copy of Public Law 88-82 approved in Congress on July 30, 1963 and the Grant of Easement signed on May 12, 1964 are included in Attachment 2-2. The lease expires May 12, 2023.

2.1.3 Site Security

Access control for the San Onofre Nuclear Generating Station is provided by security fencing and guarded or locked access gates around all "vital" areas/equipment. Security at the San Onofre Nuclear Generating Station is maintained in accordance with 10 CFR Chapter 1, NRC requirements.

An 8' chain-link fence encloses the HazMat Area - SYF hazardous waste storage area. There are three access gates to the hazardous waste storage area which are double-locked when not in use. The gates are accessible only to the Hazardous Materials Group and the Health Physics Group. To access the hazardous waste storage area, both groups must unlock their portion of the double-lock. The MPHF hazardous waste storage areas are in an enclosed building with a key card access.

Warning signs are strategically posted on the perimeter fence of the hazardous waste storage areas to warn trespassers that the area contains hazardous waste. The signs are clearly legible from a distance of 25 feet. Each warning sign is 18"W x 12"H. The lettering on the signs is 0.75" to 1.25" high. The signs clearly state in English and Spanish, "Caution - Hazardous Waste Storage Area - Unauthorized Persons Keep Out" and "Cuidado - Zona De Residuos Peligrosos - Prohibida La Entrada a Personas No Autorizadas".

In addition, mixed waste warning signs are posted· in the area, "Mixed Waste Storage Area, Authorized Personnel Only, Contact EP at 86829 and HP at 86176 Prior to Entry", "Caution Radioactive Materials Area Rep Required, Notify Health Physics at 86695 Prior to Entry", and "Warning, This Area Contains Radionuclides Known to the State of California to Cause Cancer, Birth Defects, and/or Other Reproductive Harm, California Health and Safety Code 25249.6".

2.2 Detailed Topographic Map

A detailed topographic map is presented as Attachment 2-3, Sheets 1 and 2. The map's scale is one inch equals 200 feet, and it has five-foot elevation contours and spot elevations to the tenth of a foot. It illustrates the San Onofre Nuclear Generating Station beyond the boundaries of the facility and shows the following:

1. Map scale and date.
2. Surface waters, including intermittent streams.
3. North arrow.
4. Access control; fences; gates; etc.
5. Buildings; locations of storage areas, other structures.
6. Barriers for drainage or flood control. Site grading to provide flood protection and drainage control.

In addition to the detailed topographic map, the following details required in CCR22 are shown in Attachment 1-2, Site Map.

1. Map scale and date.
2. Surface waters, including intermittent streams.
3. North arrow.
4. Legal boundaries of the San Onofre Nuclear Generating Plant.
5. Access control; fences; gates; etc.
6. Buildings, locations of storage areas, other structures.

Other items required by the regulations are shown on maps in other sections of this Hazardous Waste Permit Application. For example, the 100-year floodplain is discussed in Section 2.3.3. The traffic routes are discussed in Section 2.4 and shown on a map in Attachment 2-4. Photographs of the storage areas and two aerial photographs are presented in Attachment 2-5. The Camp Pendleton Natural Resource Map is shown in Attachment 2-6. The location of solid waste management units are discussed in Section 10 and shown on a map in Attachment 10-2.

2.3 Facility Location Information

2.3.1 Site Geology

The site is located in an area classified as Seismic Zone 3 on the Seismic Risk Map of the Uniform Building code (1973). The geology of southern California is dominated by major, northwest trending right-lateral faults related to the San Andres – San Jacinto fault systems. These and other northwest trending faults have a moderate to high degree of activity. The nearest fault to the site is the Christinitos Fault, which is exposed along the seacliff approximately 1 mile southeast of Unit 1.

The site is located on the Southern California coast within the Peninsular Range Province, an area characterized by northwesterly trending elongate mountain ranges and valleys. It is located near the northwest corner of Camp Pendleton Marine Reservation, approximately 2 miles southeast of the mouth of San Mateo Creek. The physiography of the area is typical of the region, with a rather narrow, gently sloping, coastal plain extending seaward

from the uplands. The plain is terminated at the beach and forms a line of seacliffs, which have been straightened over long distances by marine erosion. Seacliffs in the immediate vicinity of the plant site reach a height of 60 to 100 feet above sea level, and are separated from the ocean by a narrow band of beach sand. In places, ephemeral streams are actively eroding gullies into the seaward portions of the coastal plain and several deeply incised barrancas have been formed.

The site is situated on San Mateo Formation of the Pliocene – Pleistocene age, overlying Pleistocene terrace deposits and beach sand. Along the coast, both north and south of the site, Pleistocene wave action has cut an extensive gently seaward sloping bench in the San Mateo Formation.

The San Onofre site contains about 15.5 acres of natural vegetation. A sparse coastal strand of vegetation is situated along the sandy beach at the base of the San Onofre bluffs. The upland terrace supports a mosaic of Coastal Sage Scrub and grassland vegetation. A series of deeply eroded ravines traverse the site perpendicular to the coast. These ravines have a very sparse vegetative covering. Adjacent developed or recently disturbed areas are devoid of vegetation or have a flora consisting of introduced annual weeds.

2.3.2 Seismic Standard

Compliance with the seismic standard is not required since the storage areas are not new hazardous waste management facilities as defined in 22 CCR 66260.10 or facilities undergoing substantial modification as specified in 22 CCR 66270.42(c).

2.3.3 100-Year Floodplain

None of the storage areas are located in the 100-year floodplain. The basis for this determination is presented in the *San Onofre Units 2 and 3 Final Safety Analysis Report* (FSAR) which is a continually updated document utilized by the NRC to maintain a license to operate a nuclear power plant. The power block finish grade elevation in +30.00 mean lower low water (mllw). A subsurface drainage system will carry normal storm drainage flows to the cooling-water intake structure. For consideration of flooding due to the thunderstorm probable maximum precipitation (PMP), all catch basins for the subsurface drainage system were assumed plugged; surface drainage facilities will transmit all thunderstorm drainage flows in the power block over the seawall to the ocean. Drainage areas contributing to the surface drainage flows in the power block area are shown on [figure 2.4-3 FSAR]. Runoff from the coastal hills east of Interstate Highway 5 will be diverted to the San Onofre Creek Basin, as shown in [figure 2.4-4 FSAR].

There are no perennial streams in the general vicinity of the plant site. However, ephemeral streams and watercourses do exist. The major streams are San Mateo Creek located approximately 2 miles to the northwest, and San Onofre Creek located approximately 1 mile to the northwest.

San Mateo Creek has a drainage area of 132 square miles in size. Records from the U.S. Geological Survey recording gage [(2)] at the mouth are available for water years October 1946 to September 1967, at which time management of and

recordkeeping for the gage was discontinued. From an examination of the topography of the area, it was determined that the drainage divide separating San Mateo and San Onofre Creeks would preclude the plant site being influenced by San Mateo Creek.

San Onofre Creek has a drainage area of 43 square miles. A U.S. Geological Survey recording gage is located at the mouth with available records covering a period from October 1946 to September 1967. The drainage basin is presented in [figure 2.4-5 FSAR]. The basin length is approximately 9.7 miles and is 4.7 miles in width.

San Onofre Creek and its watershed lies entirely on U.S. Marine Corps Base, Camp Pendleton. The origin of the basin is in the Santa Margarita Mountains to the northeast of the site. The maximum elevation in the basin is 3187 feet above mllw with the minimum at sea level. Ground slope within the tributary area varies from approximately 3% to 10%.

There are no existing or proposed water control structures within the San Onofre Creek Basin. Camp Pendleton currently uses surface runoff infiltration for purposes of recharging the base well system, otherwise there are no surface water users in the basin.

The foothill drainage basin identified in [figure 2.4-6 FSAR] contributes to the hydrologic factors influencing the plant site. The basin totals 0.86 square miles in area. There are no gaging stations located within the basin and, consequently, stream flow records are not available.

The entire watershed lies within the boundaries of the Marine Corps Base, Camp Pendleton. Elevation in the basin varies between a maximum of 1200 feet and a minimum of 100 feet above msl. Ground slope varies from 8 to 22%. Ground cover is moderate within the basin consisting mainly of chaparral and grassland.

Water control structures consist of the 42-inch and 72-inch diameter concrete culverts under Interstate Highway 5, as shown in [figure 2.4-6 FSAR]. The culverts are maintained by the California State Department of Transportation. The capacity of these culverts is 180 and 520 ft^3/s, respectively. In addition to the two culverts identified above, an earthen channel traverses the basin along the east side of Interstate Highway 5 diverting runoff to San Onofre Creek, as shown in [figure 2.4-6 FSAR]. The capacity of the channel is 1850 ft^3/s.

For purposes of determining and analyzing potential flood sources, consideration was given to the San Onofre Creek Basin, as shown in [figure 2.4-5 FSAR], and the foothill drainage area east of the site, as defined in [figure 2.4-6 FSAR]. In both cases the probable maximum flood (PMF) was defined as the design basis event. Regulatory guide 1.59, Design Basis Floods for Nuclear Power Plants, and referenced noted therein were employed as standards in the determination of the PMF.

Results of the PMF analysis concluded that the San Onofre Creek Basin exhibits no flooding potential to the site. The maximum flood stage, as a result of the PMF, was determined to be 24.l feet at the mouth of the creek. Topographical

features of the basin would contain this flow and thereby preclude flooding of the site by this source.

An analysis of the flooding potential of the foothill drainage area was also performed. The results of this analysis produced evidence that the site could be subjected to flooding during the occurrence of the design basis PMF. In order to preclude flooding of the site by this source a diversion structure, as shown in [figure 2.4-4 FSAR], routes the surface runoff from the foothill drainage area to the San Onofre Creek Basin. For purposes of design of the diversion structure, the PMF was used as the design basis event for determining the maximum water elevation.

As discussed in the FSAR, the occurrence of storm surge, storm wave action, and tsunami will not cause flooding of the site.

A federal insurance rate map from the Federal Emergency Management Agency is not available for the site.

2.3.4 Weather and Climatic Conditions

The climate of this coastal site is predominantly characterized as marine and subject to daily land and sea breezes upon which an annual monsoon oscillation is superimposed. During most of the year, daytime heating of the land surface makes it warm relative to the Pacific Ocean. This thermal difference produces an onshore wind (sea breeze) that normally begins shortly after sunrise and lasts until after sunset. At night, as the land cools, the thermal gradient reverses, and an offshore wind (land breeze) develops. This diurnal reversal is most apparent during the spring and fall months.

During the summer, the Pacific anticyclone moves northward to a position off the coast from the site. This high pressure cell combines with the thermal low pressure through over inland southern California to produce a strong onshore pressure gradient, stratus deck, fog, and cool summer days.

In winter months, the anticyclone drifts farther southward, allowing the jet stream and its associated migratory storm tract to reach southward to the site. Between storm passages, the land-sea breeze pattern returns. During this period, the Great Basin high pressure cell frequently builds sufficiently to produce a relatively strong offshore pressure gradient and resulting warm dry Santa Ana winds.

Winds at the site exhibit an onshore component somewhat more than half the time. The most frequent wind is the westerly to west-northwesterly sea breeze, which averages about 5 to 7 miles per hour (mph). Winds associated with frontal passages are generally out of the southwest and relatively stronger, frequently over 10 mph. The strongest winds are associated with the Santa Ana condition and blow out of the northeast, occasionally exceeding 30 to 50 mph.

The Pacific Ocean has a moderating influence over the temperatures in the site region. Climatological data for Los Angeles and San Diego indicate that daily temperature ranges are usually less than 15°F in the spring and summer and

increase to about 20°F during the fall and winter. Temperatures below 40°F are rare. Prior to 1975, temperatures below freezing were recorded only once at both the Los Angeles and San Diego National Weather Service (NWS) stations. Correspondingly, temperatures above 85°F have occurred occasionally in every month of the year when air from the interior reached the coast. At San Diego, there have been only 15 days on which 100°F or higher were reached. The maximum-recorded temperature was 111°F at San Diego. The record minimum was 31°F.

The average relative humidity ranges from about 60% during the day to about 75% at night. Occasionally, however, during Santa Ana conditions, the influx of the dry desert air can drop humidity in the area to less than 10%.

The normal annual precipitation for San Diego and Los Angeles is 9.45 inches and 11.59 inches, respectively. Laguna Beach, 17 miles north of the site, with a surrounding topography similar to San Onofre, has a normal annual precipitation of 11.75 inches. About 85% of the precipitation falls in the winter months of November through March during the passage of the migratory storm systems, with measurable rain falling on an average of 1 day in 4. Occasionally a wet month will occur, such as during one February when 11 inches fell in Los Angeles. A maximum 6.19 inches of rain in 24 hours was recorded in Los Angeles. Measurable snow has never been recorded at a coastal location in Southern California.

2.3.5 Additional Information

There are no hazardous waste disposal or unloading facilities at San Onofre Nuclear Generating Station. Hazardous and mixed waste is generated from plant maintenance and operations activities and, except for the need to store mixed waste, are managed under the "generator" status regulations.

All hazardous wastes are shipped to an approved off-site disposal or recycling facility by a registered hazardous waste hauler accompanied by a Uniform Hazardous Waste Manifest.

Containers of ignitable wastes, incompatible wastes, or reactive wastes, when present, are stored in the separately bermed areas within the storage areas.

A buffer zone is provided for the mixed waste storage areas by their location from the perimeter fence that is at least 50 feet away. Additionally, the closest public access would be from the San Onofre State Park is approximately 3000 feet southeast of the storage areas.

Since the facility is a power generating station, numerous power lines and pipelines exist within the property. However, the power lines and sewer lines in the vicinity of the mixed waste storage areas will not affect or be affected by the operation of the storage areas.

An easement for a railroad spur extends from the northern part of the property southward to Unit 3. The easement is not near the mixed waste storage areas.

2.4 Traffic Information

2.4.1 Characteristics of Permanent Access Roads

All roads at the San Onofre Nuclear Generating Station are either paved or concrete. The roads are adequate to support the gross weight of hazardous waste trucks and vehicles. All roads at the facility are constructed in accordance with HS-20, the truckload design standard. Attachments 1-2, 2-3, and 2-5 illustrate the roads on-site and their locations.

2.4.2 Vehicle Traffic Volume

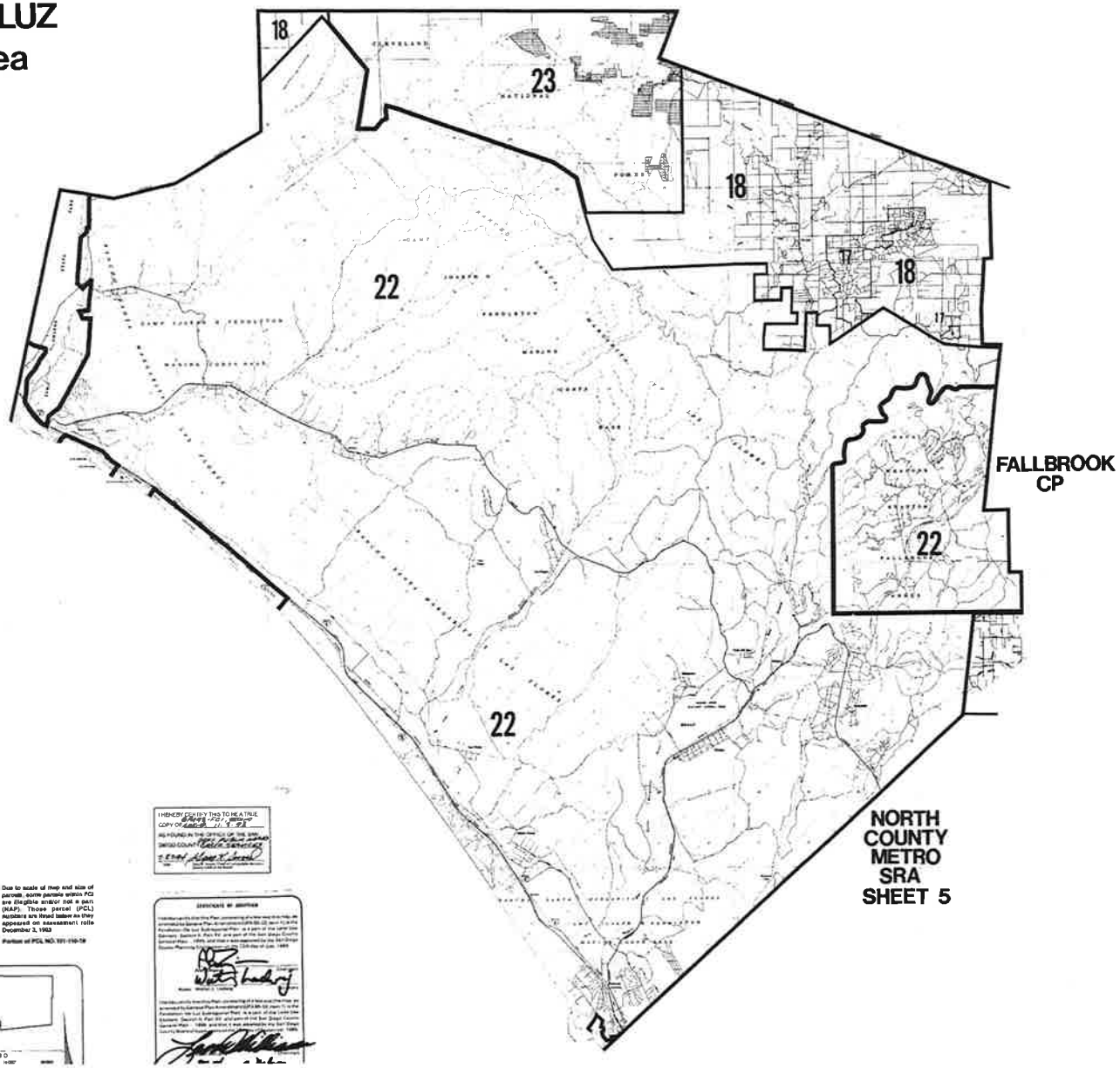
Approximately 50 shipments of hazardous waste are made each year from the facility. Less than 20 people have routine access to the hazardous waste storage areas. The shipments are made in either drums using a van or flatbed truck. Bulk liquid shipments are made in 100-120 barrel carbon steel, stainless steel, or KYNAR lined vacuum trucks and bulk solid using a roll-off bin.

Traffic control is implemented through traffic signs posted along the roads throughout the facility. The posted speed limit at the facility is 45 mph. The speed limit in the area of the hazardous waste storage areas is limited to approximately 10 mph.

Attachment 2-1

LAND USES/ZONING MAP

PENDLETON - DE LUZ
Subregional Area



Attachment 2-1

LAND USE ELEMENT

17 ESTATE 17
1 Dwelling unit/ 2-4 Acres

18 MULTIPLE RURAL USE 18
1 Dwelling unit/ 8 - 16 - 40 Acres

22 PUBLIC/SEMI-PUBLIC 22
1 Dwelling unit/ 8 - 16 Acres

23 NATIONAL FOREST/STATE PARKS 23
1 Dwelling unit/ 8 - 16 Acres

ALL STREETS SHOWN ARE EXISTING ROAD SYSTEM

NOTE: MAGNETIC LINES SHOWN ON THIS MAP ARE FOR VISUAL TARGET PURPOSES ONLY. THESE LINES ARE SUBJECT TO CHANGE AND DO NOT IN ITSELF SUPPORT ANY LAND BALANCE SITES

(23) National Forest and State Park Designation and the Environmentally Constrained Area (ECA) Regional Land Use Designations, both as amended and enacted by the Forest Conservation Initiative (FCI) "Proposition C", approved November 2, 1993. Designations are in effect through December 31, 2012. Overlay indicates parcels in private ownership as of December 2, 1993 affected by the FCI.
1 Dwelling Unit / 40 Acres

NOTE: Due to scale of map and size of parcels, some parcels within PCI are illegible and/or not a part (NAP). Those parcel (PCL) numbers are listed below as they appeared on assessment rolls December 3, 1993

Portion of PCL NO. 191-110-19

LEGEND

Freeway — Local Roads — Unpaved Roads
Major Arterials — Sub Local Roads — Contours
Major Roads — Trails — Property Lines
Collector Roads — Special Lines

COUNTY OF SAN DIEGO

I HEREBY CERTIFY THIS TO BE A TRUE COPY OF [illegible] AS FOUND IN THE OFFICE OF THE SAN DIEGO COUNTY [illegible]

CERTIFICATE OF ADOPTION

[illegible]

Attachment 2-2

PUBLIC LAW 88-82
AND
GRANT OF EASEMENT

EXTRA COPY

ew lease# as of 7/26/90.
N68711902P00084

When Recorded
Mail to
SOUTHERN CALIFORNIA EDISON COMPANY
P. O. BOX 351
LOS ANGELES 53, CALIF.
ATTENTION — R/W & LAND DEPT.

FILE/PAGE NO. 00007
RECORDED AT REQUEST OF
TITLE INSURANCE AND TRUST COMP
NOV 12 4 02 PM '64
SERIES 5 BOOK 1964
OFFICIAL RECORDS
SAN DIEGO COUNTY, CALIF.
A. S. CHAY, RECORDER

All correspondence in connection with contract should include reference to No. N0y(R)-16790

9.20
10

GRANT OF EASEMENT

No. 1

THIS INDENTURE, made this 12th day of Nov, 1964, between the United States of America, hereinafter referred to as the Government, acting by and through the Department of the Navy, and Southern California Edison Company, a California corporation, and San Diego Gas & Electric Company, a California corporation, hereinafter referred to as the Grantees.

WHEREAS, the Government is the owner in fee simple of a parcel of land known as the U. S. Marine Corps Base, Camp Pendleton, California, hereinafter referred to as the Reservation; and

WHEREAS, Public Law 88-82, approved July 30, 1963, authorizes the Secretary of the Navy to grant the easement hereinafter set forth in a portion of said land;

NOW, this Indenture witnesseth that, in consideration of the annual use charge hereinafter described to be paid by the Grantees to the Government, the Government, pursuant to the authority aforesaid, hereby grants unto the said Southern California Edison Company and San Diego Gas & Electric Company, their respective successors and assigns, an easement for the construction, operation, maintenance and use of a nuclear electric generating station, consisting of one or more generating units, and appurtenances thereto, including switchyards and substations, hereinafter referred to as the Nuclear Station, in, under, over and upon the following described land, hereinafter referred to as the Premises, described in Exhibit "A" attached hereto and made a part hereof; to have and to hold as tenants in common, Southern California Edison Company, its successors and assigns, to have an undivided 4/5 interest therein, and San Diego Gas & Electric Company, its successors and assigns, to have an undivided 1/5 interest therein.

215061
ORIGINAL TOPSL

An operating agreement and evacuation plan shall be entered into between the officer commanding the Reservation and Grantees. Such agreement and plan together with any amendments will be binding upon the Grantees, their successors and assigns.

7. That title to all improvements constructed by or on behalf of Grantees shall be in Grantees, their Contractors, in the trustees of Grantees under the terms of Grantees' respective trust indentures, or in the respective successors and assigns thereof, and shall not be in the Government; and the respective interests therein of Southern California Edison Company and San Diego Gas & Electric Company, their respective successors and assigns, shall be as they may agree from time to time.

8. Grantees shall have the right to excavate, grade and remove earth and other spoil material necessary in the construction and operation of the Nuclear Station. Spoil material shall be deposited within the Reservation unless otherwise directed by the Government. The officer commanding the Reservation shall approve spoil disposition areas and method of spoil disposition within the Reservation.

9. That in the event of a nuclear incident or accident at the Nuclear Station, to protect the public health and safety, the Grantees may regulate the activities in and remove any and all persons from such portion of the exclusion area located outside of the Nuclear Station, as is established from time to time, by, or with the approval of, the United States Atomic Energy Commission, and as is located within the lands described in Exhibit B. Such portion of the exclusion area may be used by the Government, its successors or assigns, only for military operations (provided same do not endanger operation of the Nuclear Station), agricultural, recreational, and such other uses as may be permitted by the United States Atomic Energy Commission. Until the Nuclear Station has been developed to its maximum planned capacity, or the Grantees have determined that no further development will be effected,

but in no event beyond 25 years from the date hereof, the lands described in Exhibit "B" which are outside of the exclusion area shall be used by the Government, its successors or assigns, only for such uses as are permitted in the exclusion area.

10. Except as to liability arising out of or resulting from a "nuclear incident", as defined in the Atomic Energy Act of 1954, as amended, the Grantees shall hold the Government harmless from liability arising from Grantees' negligent or unlawful use of the Premises and negligent or unlawful activities of the Grantees in connection with this Grant of Easement.

11. Grantees agree to secure and to maintain in force, protection against liability arising out of or resulting from a "nuclear incident", as defined in the Atomic Energy Act of 1954, as amended, in the form of financial protection as required by Section 170(b), and a contract of indemnification with the United States Atomic Energy Commission as required by Section 170(c), of the Atomic Energy Act of 1954, as amended.

12. That upon the termination of the easement granted herein, the Grantees at their expense may remove, and if desired by the Government, shall remove, any and all improvements installed or constructed hereunder and shall restore the Premises to a condition satisfactory to the Director, Southwest Division, Bureau of Yards and Docks; except that the Grantees shall not be obligated to restore any natural material cut or filled in the necessary excavation and grading of the Premises. Upon termination of the easement, the Grantees shall also, if required by the Government, decontaminate the Premises and such surrounding area within the Reservation as may have been contaminated by the operation of the Nuclear Station.

13. That all or any part of the easement herein granted may be terminated for failure on the part of the Grantees to comply with any of the terms and conditions of this grant, if

such failure is not cured within ninety (90) days after written notice from the Government to the Grantees thereof, unless such failure, or any delay in curing such failure, results from a cause beyond the reasonable control of the Grantees. Such written notice, until Grantees shall be advised in writing to the contrary, shall be made by the Chief, Bureau of Yards and Docks, Department of the Navy. This easement may be terminated upon abandonment or upon nonuse of such easement for a period of two consecutive years, unless such nonuse is caused by or results from decrees of Government, failure on the part of the United States Atomic Energy Commission or any Federal, State or local authority having jurisdiction to issue required permits or licenses, acts of God, war or a national emergency declared by the President or the Congress.

14. That the easement herein granted shall terminate at the expiration of sixty (60) years from the date hereof, provided, however, that by mutual agreement of the parties, the Government may extend this easement for such period and upon the same or such other terms and conditions as the Government may require.

IN WITNESS WHEREOF, the Government, acting by and through the Department of the Navy, and the Grantees, have caused this instrument to be executed the day and year first above written.

APPROVED AS TO FORM:
ROLLIN E. WOODBURY
General Counsel
By ..... Assistant Counsel
..... 19..

UNITED STATES OF AMERICA

By _____
By direction of the Chief of the Bureau of Yards and Docks, acting under the direction of the Secretary of the Navy

SOUTHERN CALIFORNIA EDISON COMPANY

By _____

By _____

SAN DIEGO GAS & ELECTRIC COMPANY

By _____

By _____

ACKNOWLEDGMENT

STATE OF CALIFORNIA }
COUNTY OF SAN DIEGO }

On this 12th day of May, in the year 1964, before me MARIE H. WENDT, a Notary Public in and for said County and State, personally appeared L. C. COXE, known to me to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same by direction of the Chief of the Bureau of Yards and Docks, acting under the direction of the Secretary of the Navy, U. S. A.

Marie H. Wendt
Notary Public in and for the
County of San Diego
State of California
My Commission Expires June 5, 1966

21505

ACKNOWLEDGMENT

STATE OF CALIFORNIA)
COUNTY OF SAN DIEGO } SS.

on this 12th day of May, 1964, before me, the undersigned, a Notary Public in and for said County and State, personally appeared William R. Gould, known to me to be a Vice President, and M. V. Riley, known to me to be an Assistant Secretary of SOUTHERN CALIFORNIA EDISON COMPANY, the corporation that executed the within instrument, and known to me to be the persons who executed the within instrument on behalf of the said corporation, and acknowledged to me that such corporation executed the same pursuant to its By-Laws or a resolution of its Board of Directors.

WITNESS my hand and official seal.

Marie H. Wendt
Notary Public in and for said County and State

My Commission Expires June 5, 1966

ACKNOWLEDGMENT

STATE OF CALIFORNIA
COUNTY OF San Diego } SS.

On this 12th day of May, 1964, before me, the undersigned, a Notary Public in and for said County and State, personally appeared [illegible], known to me to be a VICE PRESIDENT, and [illegible], known to me to be SECRETARY, of SAN DIEGO GAS & ELECTRIC COMPANY, the corporation that executed the within instrument, and known to me to be the persons who executed the within instrument on behalf of the said corporation, and acknowledged to me that such corporation executed the same pursuant to its By-Laws or a resolution of its Board of Directors.

WITNESS my hand and official seal.

Marie H. Wendt
Notary Public in and for said
County and State
My Commission Expires June 5, 1966

PARCEL 8

1296

That certain real property in the County of San Diego, State of California, described as follows:

That portion of the Rancho Santa Margarita y Las Flores, as described in the Patent from the United States of America, dated March 28, 1879 and recorded in Book 7, page 18 et seq., of Patents in the office of the County Recorder of said County, being also portions of Section 24 in Township 9 South, Range 7 West and Section 30 in Township 9 South, Range 6 West, as shown on Record of Survey Map No. 794 filed January 17, 1940 in the office of said County Recorder, described as follows:

Beginning at a 6 inch by 6 inch concrete highway monument, set in the Southwesterly line of U. S. Highway 101, said monument being North 56° 12' 04" West 2123.77 feet, measured along said Southwesterly line, from a 6 inch by 6 inch concrete highway monument, said first above mentioned concrete highway monument bears South 02° 52' 15" East 4207.25 feet from a 1½ inch iron pipe, with brass cap, set for the Northeast corner of Section 24 in Township 9 South, Range 7 West, as shown on said Record of Survey Map, said first above mentioned concrete highway monument being also at the beginning of a tangent curve, concave Southwesterly and having a radius of 4940 feet; thence Northwesterly along said curve, through an angle of 12° 00', a distance of 1034.63 feet; thence continuing along said Southwesterly line and tangent to said last mentioned curve, North 68° 12' 04" West, 503.81 feet to the beginning of a tangent curve, concave to the Northeast and having a radius of 2060 feet; thence Northwesterly, along said last mentioned curve, through an angle of 04° 54' 28" a distance of 176.47 feet to a point, a radial line of said last mentioned curve passing through said last mentioned point bears South 26° 42' 24" West; thence South 33° 00' 00" West, 785.32 feet to the Mean High Tide Line of the Pacific Ocean; thence Southeasterly, along said Mean High Tide Line of the Pacific Ocean to a line that is parallel with and 4500 feet Southeasterly, measured at right angles, from the course hereinabove described as having a bearing of South 33° 00' 00" West and a length of 785.32 feet; thence North 33° 00' 00" East, along said parallel line, 663.39 feet to a point in said Southwesterly line of U. S. Highway 101, said last mentioned point being in a curve in said Southwesterly line, said curve being concave Southwesterly and having a radius of 11440 feet and being also tangent to the course hereinabove described as having a bearing of North 56° 12' 04" West and a length of 2123.77 feet, a radial line to said curve passing through said last mentioned point bears North 37° 12' 19" East; thence Northwesterly, along said curve, through an angle of 03° 24' 23", a distance of 680.14 feet to the second above mentioned 6 inch by 6 inch concrete highway monument; thence North 56° 12' 04" West, 2123.77 feet to the point of beginning.

Note:- Seem Small Not Marked If True or Equivalent } Unit #300064. No. 5776 Fine 23014 } 4.13.64. JH.

EXHIBIT "A"

215081

That certain real property in the County of San Diego, State of California, described as follows:

That portion of the Rancho Santa Margarita y Las Flores, as described in the Patent from the United States of America, dated March 28, 1879, and recorded in Book 7, page 18 et seq., of Patents, in the office of the County Recorder of said County and being also portions of Sections 19 and 30 in Township 9 South, Range 6 West, and Section 24 in Township 9 South, Range 7 West, as shown on a Record of Survey Map No. 794 filed January 17, 1940 in the office of said County Recorder, described as follows:

Beginning at a point in that certain course in the Southwesterly boundary line of said Section 24, said certain course is shown on said Record of Survey Map No. 794 as having a bearing of "N 49° 56' 37" W" and a length of "1140.51 feet," said point being South 49° 56' 37" East, 125.97 feet, measured along said certain course, from the Northwesterly terminus thereof; thence North 33° 00' 00" East 334.53 feet to the beginning of a tangent curve concave Southerly and having a radius of 2640 feet; thence Northerly and Easterly along said curve, through an angle of 90°, a distance of 4146.90 feet; thence tangent to said curve South 57° 00' 00" East 2500.00 feet to the beginning of a tangent curve concave Westerly and having a radius of 2640 feet; thence Easterly and Southerly along said last mentioned curve, through an angle of 90°, a distance of 4146.90 feet; thence tangent to said last mentioned curve South 33° 00' 00" West 297.15 feet to that certain course in the Southwesterly boundary line of said Section 30, said certain course is shown on said Record of Survey Map No. 794, as having a bearing of "N 46° 51' 42" W" and a length of "3099.73 feet"; thence North 46° 51' 42" West along said Southwesterly boundary line 1080.83 feet; thence continuing along said Southwesterly boundary line North 60° 31' 51" West 577.15 feet to the Southeasterly boundary line of the 83.63 Acre parcel of land, shown on the Licensed Surveyor's Map filed on June 13, 1963, as Map No. 6242 of Records of Survey in the office of said County Recorder; thence Northeasterly along said Southeasterly boundary line to the Northeasterly corner of said 83.63 Acre parcel; thence Northwesterly along the Northeasterly boundary line of said 83.63 Acre parcel to the Northwesterly corner thereof; thence Southwesterly along the Northwesterly boundary line of said 83.63 Acre parcel to its intersection with that certain course in the Southwesterly boundary line of said Section 24, said certain course is shown on said Record of Survey Map No. 794 as having a bearing of "N 60° 31' 51" W" and a length of "2576.84 feet"; thence North 60° 31' 51" West along said last mentioned Southwesterly boundary line, a distance of 634.35 feet; thence continuing along said Southwesterly boundary line North 49° 56' 37" West 1014.54 feet to the Point of Beginning.

EXHIBIT B

Line #300069 4-13-64 EH

Public Law 88-82
88th Congress, S. 546
July 30, 1963

An Act

77 STAT. 115.

To authorize the Secretary of the Navy to grant easements for the use of lands in the Camp Joseph H. Pendleton Naval Reservation, California, for a nuclear electric generating station.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the Secretary of the Navy be and he hereby is authorized and empowered to grant to Southern California Edison Company, a California corporation, and to San Diego Gas and Electric Company, a California corporation, and to each of them, their respective successors and assigns, upon such terms and conditions as the Secretary deems necessary to protect the interests of the United States, an easement in, over, under and upon lands of the United States of America, approximately ninety acres in area, within the Camp Joseph H. Pendleton Naval Reservation, California, for the construction, operation, maintenance, and use of a nuclear electric generating station, consisting of one or more generating units, and appurtenances thereto; and easements in, under, over, and upon such additional lands of the United States of America within the Camp Joseph H. Pendleton Naval Reservation, California, as are necessary or desirable for the purpose of constructing, operating, maintaining, and using electric transmission and communication lines, switchyards and substations, cooling water conduits, pipelines for water, gas and sewage, railroad spur tracks, access roads and other appurtenances to said facilities and to said nuclear electric generating station.

California. Camp Pendleton, land easement.

SEC. 2. Upon such terms and conditions as he deems necessary to protect the interests of the United States and within the scope set forth in Section 1, the Secretary or his successors in interest, may amend any such easement by mutual agreement of the parties thereto, or their successors in interest, in such manner as to change the lands affected thereby, either by substitution, addition or deletion, as well as to change the terms and conditions of the grant.

Conditions.

SEC. 3. A reasonable charge, which may be paid in installments or in a lump sum or in a combination thereof, as determined by the Secretary, or his successor in interest, based upon the fair value of each easement granted pursuant to the authority herein contained, shall be payable by the grantee or grantees thereof, their respective successors and assigns.

Charges.

Approved July 30, 1963.

Plant site only 93.63 acres

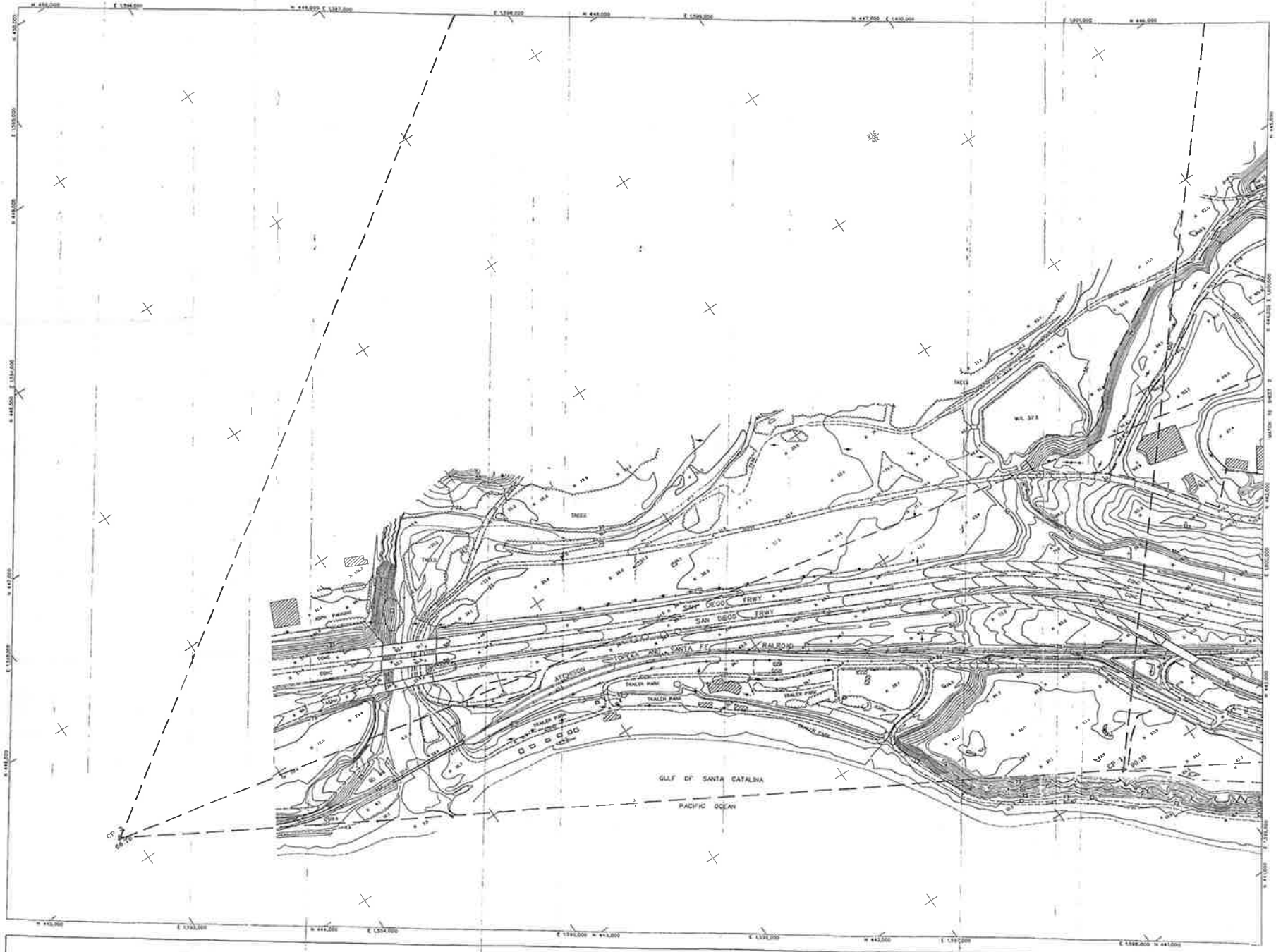
ACT OF CONGRESS AUTHORIZING SONGS

LEGISLATIVE HISTORY:

HOUSE REPORT No. 509 (Comm. on Armed Services).
SENATE REPORT No. 315 (Comm. on Armed Services).
CONGRESSIONAL RECORD, Vol. 109 (1963):
June 20: Considered and passed Senate.
July 15: Considered and passed House, amended.
July 16: Senate agreed to House amendment.

Attachment 2-3

DETAILED TOPOGRAPHIC MAP
(2 sheets)



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A.S.I. PROJECT 92-839-01

BASIS OF ELEVATION
U.S.G.S. B.M. BENCHMARK "W-282"
ELEV = 7.6697 M.S.L.

SCALE 1" = 200'
200 100 50 0 200 400
CONTOUR INTERVAL 25 FEET

TN
MN
0°
0° 48'
0° 48'
1973 MAGNETIC NORTH

SHEET INDEX

1	2

SHEET 1 OF 2

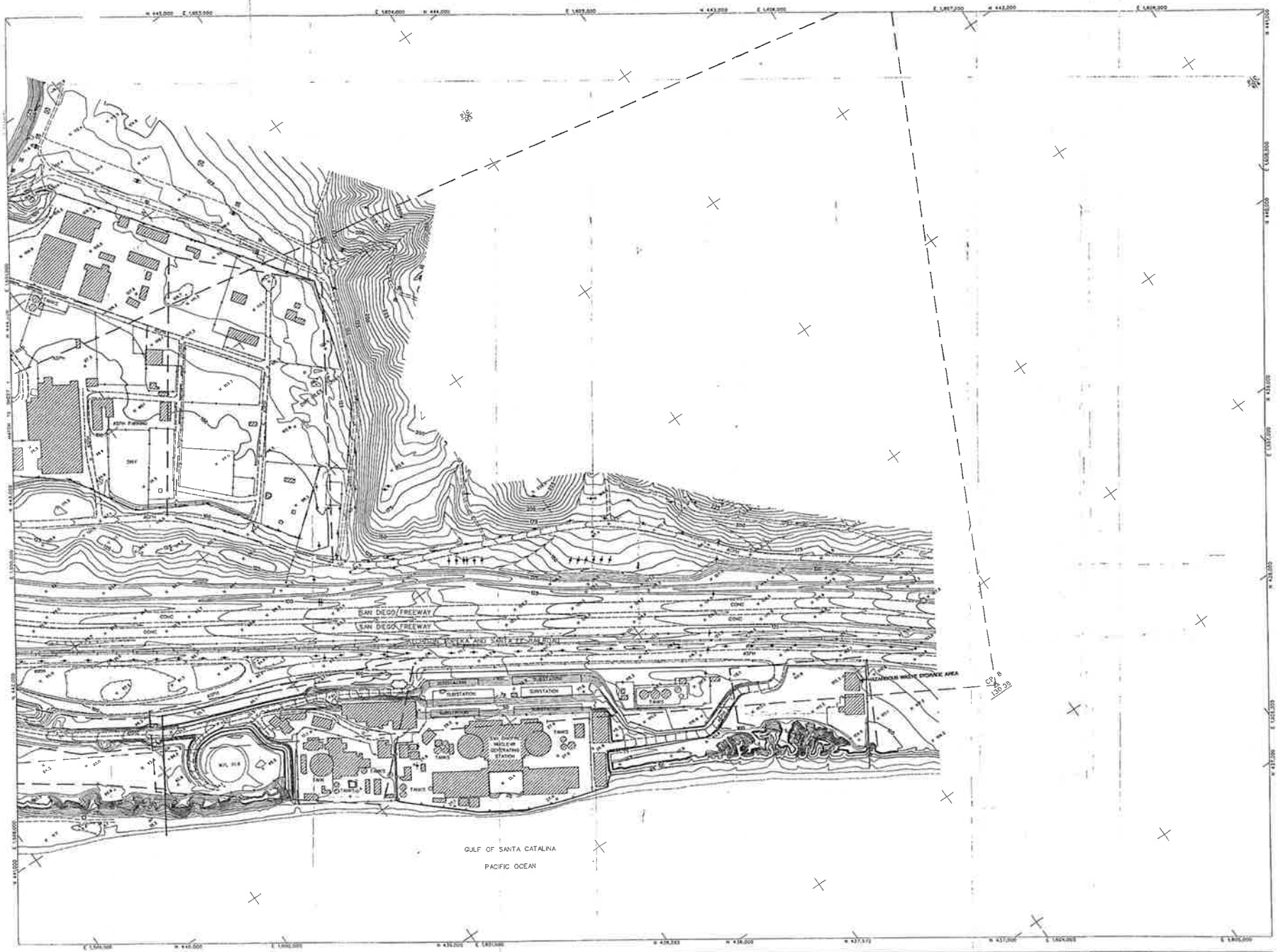
DATE OF PHOTOGRAPHY:
TOPOGRAPHIC 4-26-93
AB 89-34534

S.O.N.G.S. TOPO SITE

SAN CLEMENTE, CALIFORNIA

Southern California Edison Company

(sht 2-3
2)



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A S I PROJECT 93 1639-01

BASIS OF ELEVATION
U.S.C. & G.S. BENCHMARK "W-282"
ELEV= 77.497' M.S.L.

SCALE 1" = 200'
100 50 100 50 0 200 400
CONTOUR INTERVAL 25 FEET

TN MN
GN
0° 13'
4° 06'E
14° 30'
23° 44'E
MAG MAGNETIC NORTH

SHEET INDEX

SHEET 2 OF 2

DATE OF PHOTOGRAPHY
TOPOGRAPHIC 4-26-93

A.E. #90-04134

S.O.N.G.S. TOPO SITE

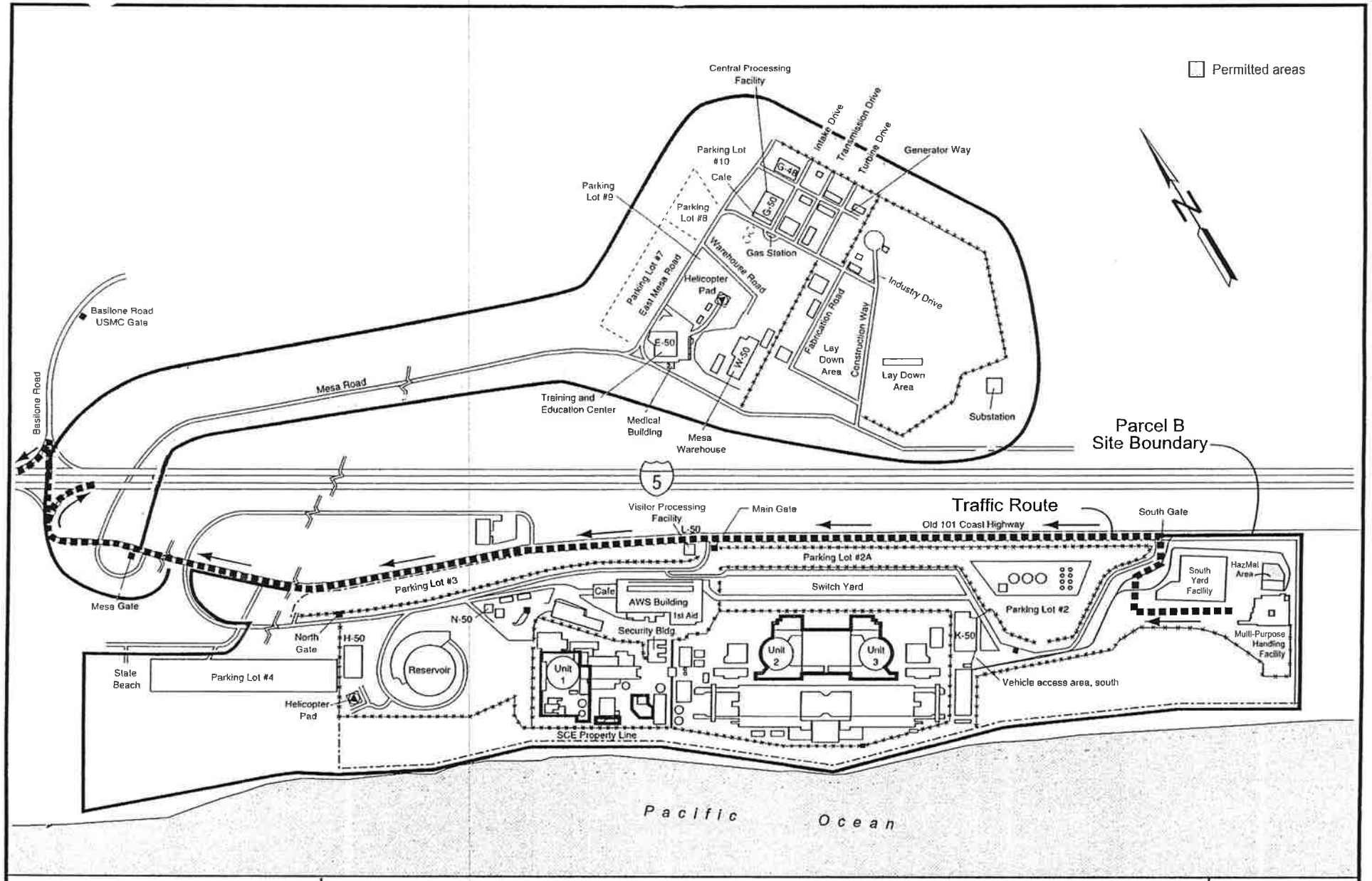
SAN CLEMENTE, CALIFORNIA

Southern California Edison Company

Attachment 2-3
(2 of 2)

Attachment 2-4

TRAFFIC ROUTES



TRAFFIC ROUTES

San Onofre Nuclear Generating Station

Southern California Edison, San Diego County, California

Figure **2-4**

Attachment 2-5

AERIAL AND SURFACE PHOTOGRAPHS

Photo 1: Shows the roof over the HazMat Area – South Yard Facility. The Multi-Purpose Handling Facility building is in the background.

Photo 2: Sample signs at the HazMat Area – South Yard Facility.

Photo 3: Drums in the HazMat Area are stored on pallets. This picture shows the berm around the perimeter of the storage area compared to the berm for incompatible wastes inside the storage area.

Photo 4: Shows an eyewash station and shower in the center section of the HazMat Area. Picture also shows the solid brick wall separating the center section and the north section, and one of the sumps is shown in the lower part of the photo.

Photo 5: Low Specific Activity Waste Storage Area in the MPHF. The lower part of the picture shows the floor drain system.

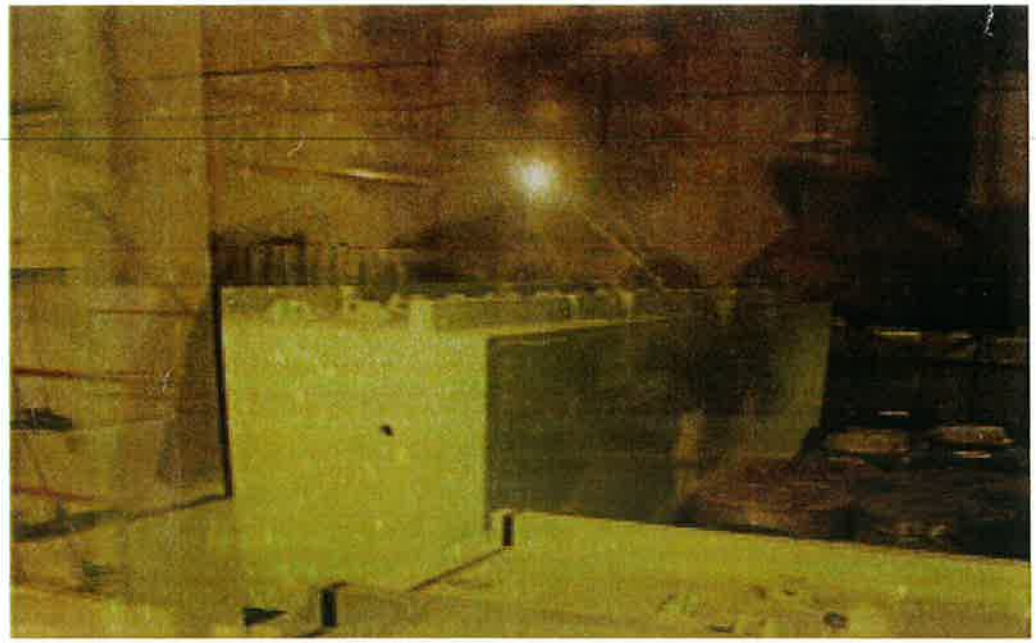


Photo 6: View of the High Specific Activity Waste Area in the MPHF through the leaded glass.

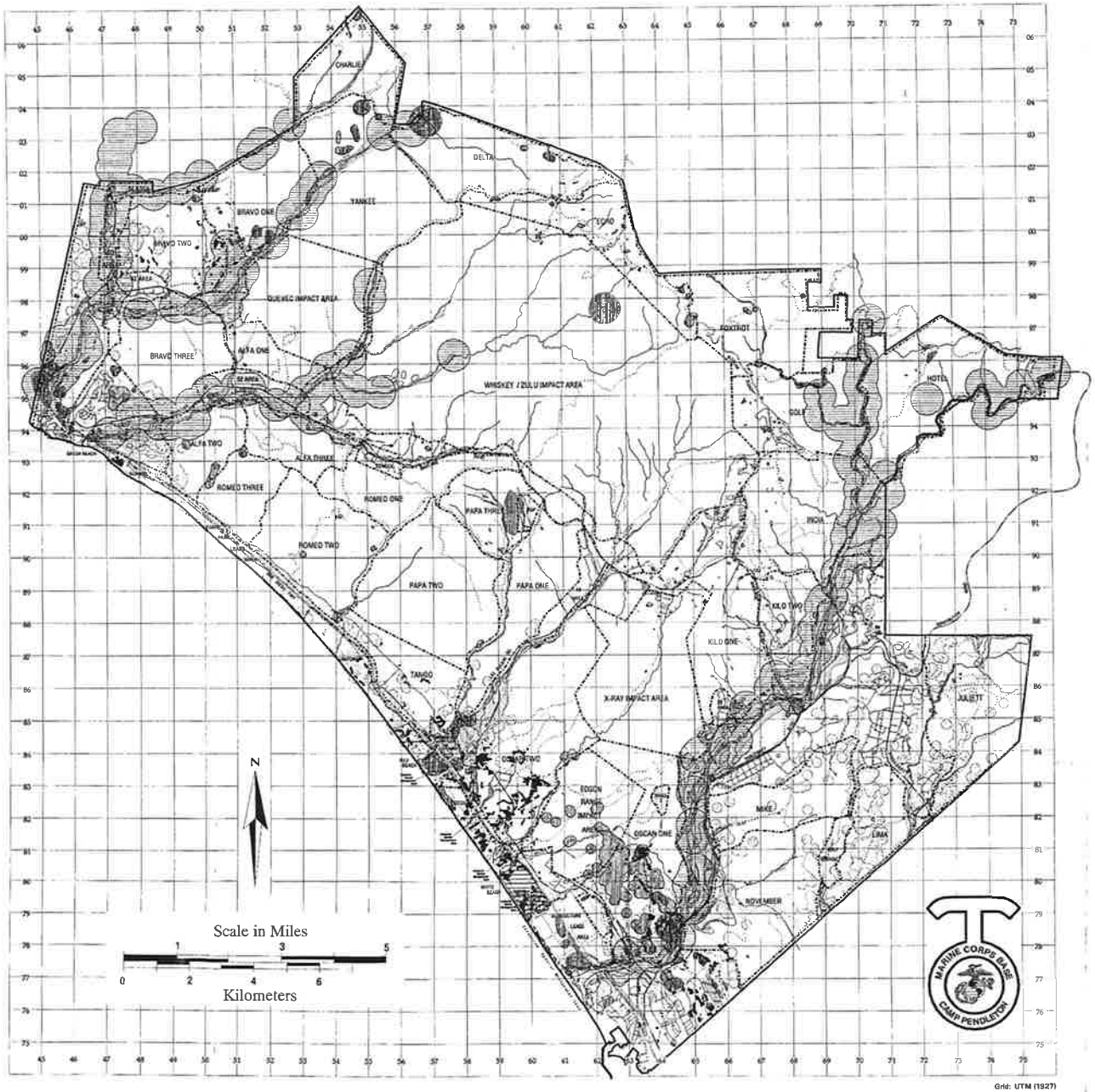
Attachment 2-6

CAMP PENDLETON NATURAL RESOURCE MAP

CAMP PENDLETON

NATURAL RESOURCE MAP

Attachment 2-6



Grid: UTM (1927)

Legend

- ESTUARINE HABITAT OCCUPIED BY AT LEAST ONE OF THE FOLLOWING:
  CALIFORNIA LEAST TERN
  WESTERN SNOWY PLOVER
  LIGHT-FOOTED CLAPPER RAIL
  TIDEWATER GOBY
- RIPARIAN HABITAT OCCUPIED BY AT LEAST ONE OF THE FOLLOWING:
  LEAST BELL'S VIREO
  SOUTHWESTERN WILLOW FLYCATCHER
  ARROYO SOUTHWESTERN TOAD
- ARROYO SOUTHWESTERN TOAD 500 M BUFFER (SURVEY ON-GOING)
- STEPHENS' KANGAROO RAT HABITAT
- CALIFORNIA GNATCATCHER 150 M BUFFER (1998)
- PACIFIC POCKET MOUSE 150 M BUFFER (SURVEY ON-GOING)
- VERNAL POOL COMPLEX
- RARE PLANT AREAS (1990/1995/1997) AND OTHER ENVIRONMENTALLY SENSITIVE AREAS REQUIRING SIMILAR PROTECTION METHODS
- RARE PLANT SITE (1993, 1997)
- CREEKS, DRAINAGES, LAGOONS AND ASSOCIATED WETLANDS (National Wetlands Inventory 1985)
- BASE BOUNDARY
- TRAINING AREA BOUNDARY
- I-5 FREEWAY
- SECONDARY ROAD
- LIGHT DUTY ROAD (PAVED)
- DRY WEATHER ROAD (DIRT)

NOTE: FOR GENERAL PLANNING PURPOSES ONLY

THIS INFORMATION DOES NOT DEPICT ALL POSSIBLE BASE NATURAL RESOURCES, BUT RATHER, ONLY THOSE RESOURCES CURRENTLY KNOWN TO EXIST. FIELD VERIFICATION OF ALL DATA IS REQUIRED FOR SITE-SPECIFIC PROJECTS. THIS INFORMATION IS DEEMED RELIABLE, BUT NOT GUARANTEED.

SOURCE: ASSISTANT CHIEF OF STAFF, ENVIRONMENTAL SECURITY
GEOGRAPHIC INFORMATION SYSTEMS (GIS) BRANCH
PHONE: (760) 725-4512 FAX (760) 725-9720

DATE: April 2000 (NEXT SCHEDULED UPDATE: September 2000)

Section 3.0

WASTE CHARACTERISTICS

3.0 WASTE CHARACTERISTICS

3.1 Waste Analysis Plan

The Waste Analysis Plan (WAP) is presented in Attachment 3-1 and includes: 1) a description of the analytes for which each hazardous waste is analyzed; 2) sampling and analytical methods which are used; and 3) the frequencies of analyses. The WAP is reviewed periodically by plant personnel and amended if plant operations or applicable regulations change. The WAP is kept on file for use by the environmental coordinator and other plant personnel.

3.2 Waste Identification

The primary sources of routine mixed wastes are generated from chemical and/or mechanical cleaning of the steam generators, condensers, water boxes, turbines, etc. The pumps that circulate the cooling waters contain oil and the overall maintenance and painting of the radioactive components generates various other types of mixed waste. Unit 1 was decommissioned and partially disassembled with major plant and building components shipped offsite. Units 2 and 3 were shut down permanently in 2013 and the decommissioning of these units has started. In addition to the decommissioning mixed wastes generated from Unit 1 (primarily asbestos, blast g1it and lead), it is anticipated that additional mixed wastes in the form of miscellaneous aqueous solutions and organic solvents with metals, sludges and solids may be generated from decontamination of systems and components. Attachment 3-2, Summary of Mixed Waste Generated, identifies the waste name, hazardous properties, processes that produced the waste, and estimated annual quantities.

The identification and characterization of new wastes are done in accordance with SONGS Operating Procedure S0123-XV-17, Hazardous Waste Management Program and the S0123-XV-18, Mixed Waste Guidelines.

3.3 Additional Requirements for Ignitable, Reactive, or Incompatible Wastes

Wastes are stored and treated in separate areas (according to each waste type's chemical properties) to preclude uncontrolled reactions. During handling operations, facility personnel wear appropriate personal protective equipment.

A list of potentially incompatible wastes generated at SONGS is updated in Attachment 5 of Operating Procedure S0123-XV-l 7, Hazardous Waste Management Program. The wastes that are not compatible with each other are acids and caustics (e.g., sulfuric acid with sodium hydroxide, sodium hypochlorite, or ammonium hydroxide). Section 4 describes how incompatible wastes are stored in separately bermed areas.

<u>Waste Compatibility with Containers</u>

Upon receipt of containers at the hazardous waste storage areas, the containers are inspected by Hazardous Materials Group personnel for integrity and compatibility with the listed contents. Each container must be able to withstand internal corrosion based on the chemical compatibility of the hazardous material waste and the container.

If, during this inspection, it is determined that the container is unsuitable or damaged, the material will be transferred to an appropriate container or placed in a recovery drum (overpack).

Spilled or leaked wastes will be removed from the sumps immediately upon identification of the spill (or as soon as it is safe to do so). Any collected spills/leaks will be managed as a hazardous waste. The spill/leaked material will be traced to the source

of the spill. The spilled material will not be analyzed if the source of the spill is known. The HazMat Area - SYF is covered by a roof and the MPBF is an enclosed building which will prevent the accumulation of precipitation in the containment areas.

Procedures for analyzing ignitable and reactive wastes are presented in the Waste Analysis Plan, Attachment 3-1.

Compatibility of Wastes to be placed in the Same Container

Wastes are generated at accumulation areas. In general, each container accommodates waste from a single waste generating source. If it is necessary for contents of several containers to be combined, the operation will take place under the supervision of qualified hazardous materials personnel. Under no circumstances will incompatible wastes be placed in the same container.

All containers that are reused are either: 1) properly decontaminated or 2) used to store waste from the same source as the previously stored waste.

Incompatible wastes are stored in separate areas with appropriate containment (e.g., dikes, berms, and walls) to prevent the potential for adverse reactions. Compatibility of the waste types generated at the facility is known by all hazardous waste personnel.

3.4 Waste Analysis Requirements Pertaining to Land Disposal Restrictions

The determination of "land ban" requirements is based on known characteristics of the wastes and/or testing in accordance with 40 CFR 268.7 and Title 22 CCR. Test results and known hazardous constituent concentrations are compared to the applicable treatment standards and land disposal prohibitions to determine if a waste meets or exceeds the standard or is a prohibited waste.

Waste Characterization

A list of the wastes which are handled in the mixed waste storage areas are presented in Attachment 3-2.

Solvent wastes handled at the storage areas include: 1,1,1-trichloroethane, l,l,2-trichloro-l,2,2-trifluoroethane, oil/trichloroethane, and other miscellaneous solvents such as paints and thinners. No dioxin-containing wastes are handled in the mixed waste storage areas.

The following wastes may be subject to 22 CCR 66268.32 (the California Land Ban List):

- corrosive liquid hazardous wastes (pH $\leq$ 2.0)
- aqueous mixture of 1,1,1-trichloroethane (if concentration > 1000 mg/1)
- aqueous mixture of 1,1,2-trichloro-1,2,2-trifluoroethane (if concentration > 1000 mg/l)
- aqueous mixture of oil/trichloroethane (if concentration > 1000 mg/l)
- aqueous mixture of flammable liquids (if HOC are > I 000 mg/l)

Under this provision, these wastes are banned from or require specific treatment standards before land disposal.

All other remaining hazardous wastes are to be treated prior to land disposal following the requirements specified in 66268.41, 66268.42, or 66268.43.

Notification and Certification Requirements

With each shipment of restricted waste, the treatment facility will be notified in writing of the appropriate treatment standards. This notification will include 1) the EPA Hazardous Waste Number and California Waste Code; 2) the corresponding treatment standard; 3) the manifest number associated with the shipment of the waste; and 4) the waste analysis data, where available.

With each shipment of restricted waste that has been treated at the San Onofre facility to meet the treatment standards, the treatment, storage, or disposal facility, will be provided with a notice and a certification stating that the waste meets the applicable treatment standards set forth in Articles 4 and 11 of Chapter 18 of 22 CCR and the applicable prohibitions set forth in 22 CCR 66268.32 or RCRA section 3004(d). This notice will include the 4 notification items listed above for the shipment of an untreated, restricted waste. The certification will be signed by an authorized representative of SCE in accordance with 22 CCR 66268.7(b).

All supporting data/documentation, used to determine if the wastes are prohibited, will be kept on file at the San Onofre Nuclear Generating Station. All notices, certifications, demonstrations, waste analysis data and other documentation produced pursuant the Land Disposal Restrictions regulations will be retained for at least 5 years from the date that the waste that is the subject of such documentation was last sent to onsite or offsite treatment, storage, or disposal.

3.5 Procedure for Mixed Waste

Attachment 3-1 describes the methods used to sample, identify, and document the hazardous constituents of waste streams. The radiological component of mixed waste is characterized to comply with the requirements of the USNRC and 10CFR20, 10CFR50 and 10CFR61. The potential hazardous waste characteristics of mixed waste streams are presented in Attachment 3-2. Typically, hazardous wastes collected inside the radiologically controlled areas of the plant will be analyzed as follows:

3.5.1 Hazardous Waste Analyses

1. Organic Wastes – EPA 8240 or EPA 8260 (volatiles) and EPA 8270 (sei-volatiles) plus 1, 1, 2 trichloro-1, 2, 2-trifluoroethane will be performed for each new waste stream.
2. Inorganic Wastes - TCLP metals, STLC metals, TTLC metals.
3. Other standard analyses as necessary to properly characterize the waste stream.
4. Contaminated soil will be analyzed as described above plus Total Residual Petroleum Hydrocarbons (TRPH) per EPA 8015M or equivalent.

3.5.2 Radiological Analyses

1. Gamma Spectroscopy
2. Beta Scintillation Counting
3. Gross beta/gamma count rate
4. External gamma exposure rate
5. Total activity
6. Alpha activity
7. Surface Contamination

3.5.3 Waste (Fuel) Blending Analyses

1. Total Halides
2. Metals
3. Sulfur
4. Particulates
5. Energy Content (BTU determinations)
6. PH
7. Nitrogen
8. Phosphorus
9. Physical Properties
10. Percent water

Attachment 3-1

WASTE ANALYSIS AND SAMPLING PLAN

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I INTRODUCTION

This Waste Analysis Plan applies to mixed waste stored in designated areas at Southern California Edison Company's San Onofre Nuclear Generating Station in San Clemente, California. The Waste Analysis Plan satisfies Title 22 of the California Code of Regulations (CCR), Section 66264.13(6) for the mixed waste storage operations at the site. It is also based on the guidelines for sampling plans in EPA's "Test Methods for Evaluating Solid Waste, Physical / Chemical Methods," third edition, SW-846 (SW-846) as required by 22 CCR 6261.20(c). The plan will be reviewed annually or whenever there is a change in the wastes handled that is not adequately addressed in the plan. If warranted by the review, the waste analysis plan will be updated.

Generally, a waste analysis plan must describe sampling and analytical procedures that provide information required to transfer, treat, store, or dispose of a waste in accordance with applicable regulations. The waste analysis plan for a permitted facility shall specify the following information:

1. The analytes for each waste and the rationale for selection of the analytes
2. The analytical methods that will be used
3. The sampling procedures for obtaining representative samples and the sample management methods
4. The sampling and analysis frequency and the frequency at which the analytical data will be reviewed

II SAMPLING OBJECTIVE

The purpose of sampling and analysis of wastes is to obtain sufficient data to determine the chemical and physical characteristics, if such data are not already available. This information is necessary to transfer, treat, store, or dispose of each waste in accordance with applicable regulations.

A. STORAGE WASTES

A waste analysis plan must provide sufficient waste characterization information to transfer, treat, store, or dispose of each waste in accordance with applicable regulations. However, the majority of the required waste characterization information for stored wastes is available from past analyses or from knowledge of the waste generating processes. For example, many of the containerized wastes sent to the mixed waste storage areas come from a single commercial product, such as freon, that is contaminated by use. It is not necessary to analyze most of the wastes stored in these mixed waste storage areas to be able to properly transfer, treat, store, or dispose of them.

Occasionally, wastes are generated for which there are not sufficient past analytical data or process knowledge to transfer, treat, store, or dispose of the waste. This may be true for a new waste, a waste generated by a new or changed process, a waste that will be disposed of in a new way, or a waste for which new regulations apply. When this type of waste is generated, it will be characterized as necessary as described in this plan.

B. SURROGATE SAMPLING

Occasionally, waste are generated that are too high in radioactivity or a lab is unable to perform the specific test(s) because the lab is unable to handle radioactivity (ex. 96 hr acute toxicity). In either case, a surrogate sample can be created (a like sample without the radioactivity) and sent to the lab. The lab results can be used to disposition the waste. The waste will be identified as a surrogate on the paperwork for the specific drum(s) number(s).

III RATIONALE FOR SELECTION OF ANALYTES

A. STORAGE WASTES

Analytes will be selected based on suspected waste constituents, new disposal or treatment requirements, or new regulatory requirements. General guidelines for selecting analytes are presented here but selection of analytes for future situations will rely largely on professional judgement. Sample preparation and analytical methods, references, and waste types for each analytical method are listed in Table 1, the sample analysis request sheet.

If a liquid waste is suspected of containing volatile organics, samples should be analyzed for flashpoint. Solids or liquids that might contain halogenated organics, such as solvents, thinners, and paints, should be analyzed for halogenated volatile organics. The pH should be measured in solids or liquids that are suspected of containing strong acids or bases. Insulation or other sources of friable asbestos should be analyzed for asbestos. Finally, used oil, used coolant, acid or base etchants, or solids containing these wastes should be analyzed for appropriate metals. Sandblast grit, paint waste, and sludges should also be analyzed for metals.

IV RATIONALE FOR LOCATION, NUMBER, AND FREQUENCY OF SAMPLES

A. STORAGE WASTES

Most of the currently generated storage wastes are adequately characterized based on chemical analysis and/or knowledge of the waste generating processes. Precise guidelines for the location, number, and frequency of sampling future wastes cannot be given. However, at least one representative sample will be collected of each new waste, a waste generated by a new or changed process, a waste that will be disposed of or treated in a new way, or a waste for which new regulations apply. Such samples will be collected

from the waste container in the mixed waste storage areas whenever the waste characteristics, disposal or treatment method, or applicable regulations change significantly.

V GENERAL SAMPLING PROCEDURES

Sampling for most foreseeable types of samples are described in this section. Occasionally, samples may be necessary that must be collected in a different manner. If such unusual samples must be collected, SCE personnel will review relevant guidance in 22 CCR, Appendix I, "Representative Sampling Methods," SW-846, and applicable SCE procedures.

All samples are collected by SCE Hazardous Materials Group personnel within the containment structure of the mixed waste storage areas. Quality Control samples will be taken, as appropriate.

A. PRESAMPLING ACTIVITIES

The Supervisor of Environmental Services (or designee) will be present and supervise sampling operations. Prior to sampling events, he or she will: 1) ensure the emergency eyewash/shower is present in the area and is operational; 2) ensure sampling personnel have completed appropriate training; 3) ensure personnel performing the sampling have read and understood the information on labels and material safety data sheets; and 4) ensure appropriate protective clothing/equipment is provided to perform the sampling. While collecting samples, personnel are required to don personal protective equipment (PPE) that is appropriate for the waste to be sampled. Prior to use, all PPE is inspected in accordance with good safety practices.

B. SAMPLING PROCEDURES FOR DRUMS

Liquid wastes in drums are sampled with coliwasa, which is described in SW-846. The coliwasa with the stopper open is slowly lowered to the bottom of the drum or tank so the sample is representative of the entire depth of liquid. The stopper is closed by pulling up on the inner rod and the coliwasa is slowly removed. The bottom of the coliwasa is inserted into the sample container and the stopper is pushed down to drain the contents.

Sample containers appropriate for the analytical methods will be provided by the laboratory. If volatile or semi-volatile organics are to be analyzed, three 40 milliliter (ml) volatile organic analysis (VOA) viles will be filled completely to exclude headspace.

C. SAMPLING PROCEDURES FOR SOLIDS

Representative samples of solids are collected with a thief, trowel, or equivalent, depending on the physical properties of the solid and dimensions of the drum and/or container. Alternative sampling devices and procedures that may be used are described in SW-846. If possible, a core of a representative cross-section of the solid will be collected with a thief. If a core cannot be collected, four or more discrete samples will be collected

from different locations in the drum and/or container using a trowel or equivalent. The goal of collecting four or more discrete samples is a obtain samples of different portions of solids in the drum and/or container that are representative of the entire contents of the drum and/or container. The core or grab samples will be placed in an appropriate sample container provided by the laboratory and thoroughly mixed.

D. SAMPLING EQUIPMENT DECONTAMINATION

Sampling equipment will be cleaned before it comes into contact with another sample or new disposable sampling equipment will be used. To remove all visible residues, sampling equipment will be cleaned first with an appropriate solvent, if needed, and then with a brush in an Alconox solution or an appropriate solvent. The equipment will be rinsed with tap water and rinsed again with distilled or deionized water. All spent solvents/rinse water will be collected in a drum.

VI SAMPLE MANAGEMENT AND CUSTODY

A. SAMPLE MANAGEMENT

Sample management procedures are followed to ensure that sufficient sample collection information is recorded and sample custody is tracked.

1. Field Log Book

Sampling personnel will record general information about each sampling event and specific information about each sample in a field log book at the time of sampling. General sampling information will be recorded in sufficient detail so that such information can be reconstructed at a later time.

Where applicable, the following general sampling information will be recorded in the field log book:

- Facility Name
- Purpose of Sampling
- Location of Sampling Site
- Description of Sampling Procedures
- Date and Time of Collection
- Weather and other pertinent conditions at time of sample collection photos, if any
- Names of Sampling Personnel and Signature of Person Responsible for Sampling

2. Field Sample Log

A field sample log will also be kept in the field log book as a record of specific sample information. The following information will be recorded for each sample:

- Sample Number
- Sample Location
- Date
- Time
- Sample Types (e.g., solid, liquid, sludge)
- Preservatives
- Sizes and Types of Containers

This information will be arranged in columns and a separate page will be prepared for each batch of samples. The field sample log will be prepared as the samples are collected and before they are transported from the site. The information in the field sample log will then be used to fill out the chain of custody record. Section VI.B provides information about completing the chain of custody record. The field sample log will serve as a checklist to verify the information on the sample labels before sealing the sample cooler and transporting the samples to the laboratory.

3. Sample Labels and Seals

Each sample container will be labeled with the following information at the time of sampling:

- Sample Number
- Sample Date
- Sample Time
- Sample Type
- Bottle (or Container) Designation (A, B, C, if more than one container per sample)
- Handling Precautions
- Analytes
- Laboratory
- Initials of Sampling Personnel

If the samples are not under the custody of sampling or laboratory personnel, for example, if they are transported by a commercial courier, a custody seal will be placed over the lid of the cooler or other shipping container to fulfill the requirement in SW-846 for sample seals.

B. SAMPLE TRANSPORTATION AND CUSTODY

After labeling, all samples will be placed in a cooler for transportation to the laboratory. In accordance with SW-846, a chain of custody record will document sample possession from the time of collection until the samples are analyzed. The record also serves as a sample inventory and analysis order form.

The chain of custody record will be completed with a waterproof pen. When possession of the samples is transferred from sampling personnel to a courier or to the laboratory, the chain of custody will be signed by both parties. The chain of custody record and the sample analysis request sheet will be placed in a large Ziploc bag inside the cooler. The sample analysis request sheet, Table 1, specifies sample preparation and analytical methods for the laboratory, for closure of the mixed waste storage area(s).

Samples will be transported to the laboratory by sampling personnel, a courier, a laboratory representative, or a commercial carrier. The time for transportation must be short enough to allow the laboratory to start the analyses before the sample holding time expires. (See Table 3)

VII LABORATORY

Samples will be analyzed by a commercial laboratory with current accreditation for the analytical methods that are to be followed.

A. LABORATORY PROCEDURES

The laboratory will be responsible to follow all specified sample preparation and analytical methods unless deviations from the published methods are described in the laboratory report. The laboratory is required to maintain documentation that laboratory equipment is inspected, maintained, and serviced periodically. All laboratory personnel that are responsible for analysis must be trained under the laboratory's training program. The laboratory must also provide clean, appropriate sample containers; maintain the chain of custody documentation after the samples are received at the laboratory; properly dispose of samples and extracts after analysis; and submit the laboratory report to the SCE designee in accordance with section VII.B.

B. LABORATORY REPORT

At a minimum, the laboratory report will indicate the laboratory name, accreditation number, the accreditation expiration date, and a statement that it is accredited for the constituents that were analyzed; sample preparation and analytical method numbers; sample numbers; and analytical results. The snalytical results must include detection or reporting limits. The laboratory report should also include quality control data for each sample batch and a description of any deviations from the published sample preparation or analytical method.

C. QUALITY ASSURANCE / QUALITY CONTROL PROCEDURES

The laboratory will be required to prepare and analyze a matrix spike, a matrix spike duplicate, and a blank spike for five percent of the samples it receives.

Relative percent differences will be calculated by the laboratory for duplicates, and percent recoveries will be calculated for the duplicate spikes. If the relative percent differences or percent recoveries fall outside the ranges specified in the methods in SW-846 or the laboratory's acceptable ranges, the laboratory will investigate the reason for the discrepancy. The investigation may include checking calculations, verifying analytical procedures, recalibrating instruments, preparing new reference standards, or re-analyzing samples.

To ensure that the holding times are not exceeded, the laboratory will be instructed to extract and analyze the samples within the holding times.

VIII DATA EVALUATION

SCE will maintain the laboratory reports and the corresponding chain of custody forms and sample analysis request sheets at the San Onofre Nuclear Generating Station. SCE will also maintain documentation of its evaluation of the analytical data and the hazardous waste determination.

As described in Section V, samples will generally be representative of the entire contents of each waste container. A coliwasa sample includes each stratum from a drum, for example, and if the sample is well mixed before an aliquot is removed for analysis, the analytical results will reflect the contents of the entire drum. Therefore, one sample per container will sufficiently characterized the contents of the container and statistical analysis of the analytical data will not be necessary. The analytical results for the storage samples will be directly compared to applicable federal and state hazardous waste concentration criteria to determine if the contents of the waste container are mixed waste.

TABLE 1
SAMPLE ANALYSIS REQUEST SHEET

NOTE FOR LABORATORY: The purpose of this Sample Analysis Request Sheet is to specify the sample processing, sample preparation or extraction, and analytical methods and detection limits that are requested for the attached samples. The analysis numbers on the chain-of-custody record refer to the item numbers listed below.

If there are any questions, please call the person whose name is listed on the top of the chain of custody record.

I SAMPLING SUMMARY

The samples are from closure of a permitted mixed waste storage area(s) at a nuclear power generating facility. There are samples of wash water, concrete, soil, and wipe samples. (See Table 2)

II SAMPLE PROCESSING

A. SOLID SAMPLES

Process each concrete and soil sample as described below prior to sample preparation or extraction. Aliquots for volatiles and semi-volatiles analysis should be removed before milling, viewing, or mixing the sample.

1. Pass the entire sample through a No 10 sieve.
2. Carefully remove non-friable solid particles that are extraneous and irrelevant as hazardous constituents, such as rocks and elemental metals, by hand from the portion that did not pass through the sieve.
3. Mill the remainder of the portion that did not pass through the sieve and then pass the milled material through the sieve.
4. Combine and thoroughly mix all of the sample that passes through the sieve.
5. Remove the aliquot of mixed sample for sample preparation in accordance with the prescribed analytical method.

For wipe samples, digest all the filter paper or gauze pad and liquid in the sample container. Report the analytical results as milligrams per sample.

B. AQUEOUS SAMPLES

In accordance with 22 CCR, a liquid sample with less than 0.5 percent solids shall be analyzed directly for total concentrations. If the total concentration exceeds a STLC but is less than a TTLC, the sample shall be filtered and the filtrate analyzed for dissolved constituents.

III SAMPLE PREPARATION AND ANALYSIS

A. SOLID SAMPLES

	ANALYTES	SAMPLE PREPARATION METHOD[a]	ANALYTICAL METHOD[a]
1	Halogenated Volatile Organics	5030	8010
2	Soil pH	-	9045
3	Hydrazine	-	per SONGS procedures
4	Residual Chlorine	-	330.1[b]
5	Asbestos	-	[c]
6	Total Metals	3050	
	Antimony		6010
	Arsenic		7060
	Barium		6010
	Beryllium		6010
	Cadmium		6010
	Chromium		6010
	Cobalt		6010
	Copper		6010
	Lead		7420
	Mercury		7470
	Molybdenum		6010
	Nickel		6010
	Selenium		7740
	Silver		6010
	Thallium		7841
	Vanadium		6010
	Zinc		6010
7	WET Metals Same as #4	WET[d]	-
8	TCLP Metals Same as #4	1311	-

NOTES

[a] All methods except asbestos, the WET, hydrazine, and residual chlorine are described in the following reference. "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, third edition, U.S. Environmental Protection Agency (EPA), 1987. References for the other methods are listed in b, c, d and e.

[b] "Methods for Chemical Analysis of Water and Wastes," EPA-600/4-79-020, U.S. EPA, March 1983.

[c] "Interim Method for the Determination of Asbestos in Bulk Insulation Samples," 40CFR763, Subpart F, Appendix A.

[d] Title 22, California Code of Regulations, Section 66261, Appendix II.

B. AQUEOUS SAMPLES

	ANALYTES	SAMPLE PREPARATION METHOD[a]	ANALYTICAL METHOD[a]
1	Halogenated Volatile Organics	5030	8010
2	pH	-	9040 / 9041
3	Hydrazine	-	per SONGS procedures
4	Residual Chlorine	-	330.1[b]
5	Asbestos	-	[c]
6	Total Metals	3050	
	Antimony		6010
	Arsenic		7060
	Barium		6010
	Beryllium		6010
	Cadmium		6010
	Chromium		6010
	Cobalt		6010
	Copper		6010
	Lead		7420
	Mercury		7470
	Molybdenum		6010
	Nickel		6010
	Selenium		7740
	Silver		6010
	Thallium		7841
	Vanadium		6010
	Zinc		6010
7	Dissolved Metals Same as #5	Filter, 3005	-

NOTES

[a] All methods except asbestos, the WET, hydrazine, and residual chlorine are described in the following reference. "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, third edition, U.S. Environmental Protection Agency (EPA), 1987. References for the other methods are listed in b, c, d and e.

[b] "Methods for Chemical Analysis of Water and Wastes," EPA-600/4-79-020, U.S. EPA, March 1983.

[c] "Interim Method for the Determination of Asbestos in Bulk Insulation Samples," 40CFR763, Subpart F, Appendix A.

TABLE 2

SAMPLE SUMMARY

SAMPLE TYPE	BACKGROUND TYPE	CONFIRMATION SAMPLES	TOTAL NUMBER OF SAMPLES
Wipe	1	4	5
Concrete	4	7	11
Soil	4	21[a]	25
Rinse Water	1	1	2

NOTES:

[a] Initially, seven soil samples will be analyzed and the remaining 14 will be archived. Additional samples may be collected and analyzed if soil contamination is extensive.

TABLE 3

SAMPLE PRESERVATION, CONTAINERS, AND HOLDING TIMES

Analytes	Sample Preparation / Analytical Method	Preservation Method[a]	Container / Sample Volume for Solid Samples	Container / Sample Volume for Water Samples	Holding Time[b]
Halogenated Volatile Organics	5030/8010	HCI to pH <2, cool 4°C	4oz wide mouth glass jar or 3" sleeve; 200g	3-40ml VOA vials w/ Teflon septum caps	14 days
pH	9040, 9045	Cool, 4°C	same as metals, 25g	same as metals, 50ml	ASAP
Hydrazine	per SONGS procedure(s)	2ml 3M HCI, cool, 4°C	same as metals, 25g	100 ml glass or plastic	1 hour
Residual Chlorine	330.1	Cool, 4°C	-	250 ml glass	ASAP
Asbestos		None	same as metals, 10g	-	none
Metals except Mercury	3005, 3050, WET, TCLP/ 6010, 7060, 7420, 7740, 7841	HNO_3 to pH <2, cool, 4°C	4 oz wide mouth glass or plastic jar, 3" sleeve, or Ziploc bag; 250g	500 ml glass	6 months
Mercury	7470	HNO_3 to pH <2, cool, 4°C	same as metals	same as metals	38 days[b]

NOTES:

a Solid samples should be preserved solely by cooling to 4°C.

b The holding time for mercury is 13 days in plastic containers and 38 days in glass containers.

REFERENCES

"Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846, third edition, U.S. EPA, 1987.

"Methods for Chemical Analysis of Water and Wastes," EPA-600/4-82-020, U.S. EPA, revised March 1983.

Attachment 3-2

SUMMARY OF MIXED WASTES GENERATED

Attachment 3-2: Summary of Mixed Wastes Generated
San Onofre Nuclear Generating Station

Process Description	Waste Name	Estimated Annual Quantities	Units of Measure	EPA Waste Code	California Waste Code	Hazardous Properties of the Waste
Water Chemistry, Resin Regeneration, Acid / Caustic Cleanups	Corrosive Liquid	12.5	T	D002	135, 791, 792	Corrosivity
	Corrosive Solid			D002	241, 431	Corrosivity
	Sodium Hydroxide			D002, D007, D008	122	Corrosivity
	Sodium Hypochlorite			D002	131	Corrosivity
	Sulfuric Acid			D002	791	Corrosivity
	Aqueous Metal Containing Wastes			D005, D006, D007, D008, D009, D010, D011	132, 135, 722, 723, 724, 725, 726, 727	Toxicity
	Hydrazine			U133	123, 135	Reactivity, Toxicity, Corrosivity
	Ammonium Hydroxide			Non-RCRA	123	
Generator Sludge, Inorganic Solid Wastes	Steam Generator Sludge	10	T	Non-RCRA	181	Toxicity
Lead Brick, Chips, Cable, Powder, Computers, Etc.	Lead / Absorbent	45	T	D008	181	Toxicity
Insulation / Demolition	Asbestos	1	T	Non-RCRA	151	Toxicity
Cooling Systems	Ethylene Glycol	1	T	Non-RCRA	135	Toxicity

The Federal RCRA Part A application and the DTSC permit designate authorized Federal and State Waste Codes, respectively. EPA waste codes (if utilized) may have different California Waste Code (CWC) numbers other than those depicted in the Part A. If the waste is a California Only (non-RCRA), the CWC must be one that is listed in the DTSC Permit.

Attachment 3-2: Summary of Mixed Wastes Generated
San Onofre Nuclear Generating Station

Process Description	Waste Name	Estimated Annual Quantities	Units of Measure	EPA Waste Code	California Waste Code	Hazardous Properties of the Waste
Painting / Laboratory	1, 1, 1-Trichlorethane	95	T	F001	741, 551	Toxicity
	Flammable Liquids /Solvents			D001, D006, D007, D008, F001, F002, F003, F005	214, 343, 551	Ignitability
	Flammable Solid			D001, D006, D007, D008, F001, F002, F003, F005	461	Ignitability
	Paint Chips / Absorbent			Non-RCRA	181	Toxicity
	Paint Sludge / Solid			D001, F001, F003, F005	214	Toxicity
Inorganic Sandblast Grit	Sandblast Grit	25	T	Non-RCRA	181	Toxicity
Pumps, Motors, Lubricating, Oil Rags	Combustible Liquid (Oil)	20	T	Non-RCRA	221	Toxicity
	Combustible Solid			Non-RCRA	222, 241, 351, 352	Toxicity
	Grease			Non-RCRA	181	Toxicity
	Oil/Solvent			D001, D008, F001, F002, F005	214, 221	Toxicity
	Oil/Water/Sludge, Haz Waste Liquid			D006, D007, D008, D010, F001	222, 341, 342, 491	Toxicity
	Oil / Trichloroethane			D001, F001, F002	221, 741	Toxicity
	Oil, Synthetic			Non-RCRA	221, 223	Toxicity
Laboratory, Freon Filter, Rags	1,1,2-Trichloro-1, 2, 2-trifluorethane (Freon)	15	T	F002	551, 741	Toxicity
	Freon Filters / Sludge / Water			D007, D008, F001, F002, F003	741, 751	Ignitability, Toxicity

The Federal RCRA Part A application and the DTSC permit designate authorized Federal and State Waste Codes, respectively. EPA waste codes (if utilized) may have different California Waste Code (CWC) numbers other than those depicted in the Part A. If the waste is a California Only (non-RCRA), the CWC must be one that is listed in the DTSC Permit.

Section 4.0

Design and Process Information

4.0 DESIGN AND PROCESS INFORMATION

San Onofre Nuclear Generating Station is a nuclear power plant licensed to operate by the Nuclear Regulatory Commission. The Mixed Waste Storage Areas are within the SONGS site boundary property located in accordance with 10 CFR requirements for siting nuclear power plants. The design of SONGS is governed strictly by criteria set forth by the NRC in accordance with 10 CFR Part 50.

SONGS stores mixed waste (hazardous waste with low-levels or high-levels of radioactivity). Estimated quantities and types of mixed waste generated are summarized in Attachment 3-2. The facility does not dispose of hazardous waste or mixed waste on-site or receive waste generated outside of the facility's property boundary. Hazardous/mixed waste and residues from treated hazardous/mixed waste are shipped off-site to an approved recycling, treatment or disposal facility. Wastes may be stored for several years as long as the annual report to DTSC documents that commercial facilities to treat or dispose of the waste are not available.

The following sections describe the storage areas and the treatment activities that are operated under Conditional Authorization and Conditional Exemption under DTSC's Tiered Permitting Program. The majority of hazardous waste and mixed waste treatment activities are limited to the HazMat – SYF and the Auxiliary Control Building. Some portable devices and some treatment activities may be utilized outside of these areas on a case-by-case basis.

A design certification has been prepared for each mixed waste storage area and is presented in Attachments 4-1 and 4-2.

In general, mixed wastes generated at SONGS contain only trace amounts of radioactivity and pose little exposure hazard (maximum 50 mR per hour, typically less). Typical radioactive contaminates consist of radioisotopes of cobalt and cesium. Other radioactive constituents may be present in much lower activity levels. Mixed wastes that exceed 50 mR per hour are managed separately as further described in this section.

The Mixed Waste Storage Areas at SONGS include:

1. HazMat Area - South Yard Facility (SYF)
2. Multi-Purpose Handling Facility - LSAW Area
3. Multi-Purpose Handling Facility - HSAW Area

4.1 Description of Storage Areas

HazMat Area - South Yard Facility

Location:

The HazMat Area - South Yard Facility (SYF) is located on the southeast portion of the property, adjacent to the Multi-Purpose Handling Facility building.

Physical Description and Secondary Containment:

The SYF storage area is an approximately 9,700 square foot reinforced concrete pad with a structural steel supported canopy roof. The concrete pad is a minimum 6 inches thick with a perimeter curb a minimum of 12 inches high. The canopy roof was added in 1985. A detailed

drawing is provided in Attachment 4-1. The area has been subdivided into three sections: Section A and B for storage of mixed waste containers and Section C for the storage of hazardous waste for less than 90 days in accordance with generator rules.

The construction of the SYF, combined with an enclosed floor collection system, provides secondary containment in accordance with CCR 66264.175. The concrete base is free of cracks and gaps and is sufficiently impervious to contain leaks or spills. Each section of the concrete floor is sloped at 1/8" per foot to its own drainage collection sump. Section A provides approximately 13,400 gallons of secondary containment and the combined capacity of Section B and C provide approximately 47,000 gallons of secondary containment. Both sections are more than adequate to contain 10 percent of the aggregate volume of the containers or the largest container, whichever is greater.

Section A is approximately 30' wide and varies from 60' long on the east end to nearly 80' long on the west end. The outside perimeter of the concrete pad is contained by a 12" curb. Section A is separated from Section B by a 6' high brick wall. The sump in section A has a capacity of 800 gallons.

Section B is approximately 50' wide and varies from 80' long on the east end to nearly 90' long on the west end. The outside perimeter of the concrete pad is contained by a 12" curb. Section B is separated from Section A by a 6; high brick wall and is separated from Section A by a 2" high concrete berm with an 8' chain link fence. The sump in section B has a capacity of 800 gallons.

Section C is approximately 35' wide and 90' long. The outside perimeter of the concrete pad is contained by a 12" curb. Section C is separated from Section B by a 2" high concrete berm with an 8' chain link fence. The sump in section C has a capacity of 450 gallons.

Operational Considerations

Spilled or leaked waste and any accumulated wind blown precipitation are removed from the sumps in a timely manner to prevent overflow and to return the containment to its original capacity. This activity is performed using an air operated diaphragm pump and a 1,200-gallon portable tank to collect the material pumped out. The waste is characterized as a hazardous or mixed waste and managed accordingly.

Wastes stored in the SYF do not exceed 50 mR/hr.

Waste Management Activities:

- Receive waste
- Accumulate waste in drums
- Sorting (consolidation of waste)

Design Capacity

The combined capacity of the SYF for storing mixed waste in drums and other approved containers is:

800 drums at 55-gallon capacity, can be stacked two high; 30 drums at 30-gallon capacity, can be stacked two high; 30 drums at 5-gallon capacity, can be stacked two high;

5 boxes at 3.5 cu yd. capacity, maximum 220 gallons liquid;

Note: Other types of containers, including 40 cu yd. roll-offs may be used, although total capacity must not be exceeded. Additional boxes may be used as long as the equivalent drums (4) are reduced per additional box.

Certification

Attachment 4-1 is a statement by an independent qualified professional engineer registered in the state of California certifying that the HazMat Area - SYF is adequately designed and constructed for its intended use. This certification was performed in 2003 and is scheduled for a periodic review in 2014 to determine if updates or revisions are necessary when compared to current standards.

Multi-Purpose Handling Facility -Low Specific Activity Waste (MPHF-LSAW)

Location:

The Multi-Purpose Handling Facility – Low Specific Activity Waste (MPHF-LSAW) Mixed Waste Storage Area is located on the southeast portion of the property, in the southeast corner of the Multi-Purpose Handling Facility building.

Physical Description and Secondary Containment:

The MPHF building is an approximately 15,470 square foot reinforced concrete foundation with 2 foot thick reinforced concrete walls. The LSAW storage area is a section approximately 30 feet by 30 feet located in the southeast corner of the building. A detailed drawing is provided in Attachment 4-2.

The construction of the MPHF building, combined with an enclosed floor collection system, provides secondary containment in accordance with CCR 66264.175. The concrete base is free of cracks and gaps and is sufficiently impervious to contain leaks or spills. The floor is painted to improve .the impervious nature of the concrete to the hazardous and mixed wastes generated. The building sump provides approximately 40,500 gallons of secondary containment, which is more than adequate to contain l0 percent of the aggregate volume of the containers or the largest container, whichever is greater.

Operational Considerations

Spilled or leaked waste is removed from the sump in a timely manner to prevent overflow and to return the containment to its original capacity. This activity is performed using an air operated diaphragm pump and a 1,200-gallon portable tank to collect the material pumped out. The waste is characterized as a hazardous or mixed waste and managed accordingly.

Wastes stored in the MPHF-LSAW typically are less than l00 mR/hr but can be up to l R/hr if Hi-rad postings are made and it is approved by the Health Physics Technician and other Supervisors.

Waste Management Activities:

- Receive waste
- Accumulate waste in drums
- Sorting (consolidation of waste)

Design Capacity

The combined capacity of the MPHF-LSAW for storing mixed waste in drums and other approved containers is:

- 100 drums at 55-gallon capacity, can be stacked two high;
- 10 drums at 30-gallon capacity, can be stacked two high;
- 10 drums at 5-gallon capacity, can be stacked two high;
- 10 boxes at 3.5 cu yd. capacity, maximum 220 gallons liquid.

Certification

Attachment 4-2 is a statement by an independent qualified professional engineer registered in the state of California certifying that the MPHF-LSA W is adequately designed and constructed for its intended use. This certification was performed in 2003 and is scheduled for a periodic review in 2014 to determine if updates or revisions are necessary when compared to current standards.

Multi-Purpose Handling Facility -High Specific Activity Waste (MPHF-HSAW)

Location:

The Multi-Purpose Handling Facility – High Specific Activity Waste (MPHF-HSAW) is located on the southeast portion of the property, near the center of the Multi-Purpose Handling Facility building.

Physical Description and Secondary Containment:

The MPHF building is an approximately 15,470 square foot reinforced concrete foundation with 2 foot thick reinforced concrete walls. The HSAW Mixed Waste storage area is a section approximately 20 feet by 20 feet located near the center of the building. A detailed drawing is provided in Attachment 4-2.

The construction of the MPHF building, combined with an enclosed floor collection system, provides secondary containment in accordance with CCR 66264.175. The concrete base is free of cracks and gaps and is sufficiently impervious to contain leaks or spills. The floor is painted to improve the impervious nature of the concrete to the hazardous and mixed wastes generated. The building sump provides approximately 40,500 gallons of secondary containment, which is more than adequate to contain 10 percent of the aggregate volume of the containers or the largest container, whichever is greater.

Operational Considerations

Spilled or leaked waste is removed from the sump in a timely manner to prevent overflow and to return the containment to its original capacity. This activity is performed using an air operated diaphragm pump and a 1,200-gallon portable tank to collect the material pumped out. The waste is characterized as a hazardous or mixed waste and managed

accordingly. Wastes stored in the MPHF-HSAW can be as high as 20,000 mR/hr.

Permitted Waste Management Activities:

- Receive waste
- Accumulate waste in drums
- Sorting (consolidation of

waste) Design Capacity

The combined capacity of the MPHF-HSAW for storing mixed waste in drums and other approved containers is:

- 100 drums at 55-gallon capacity, can be stacked two high;
- 10 drums at 30-gallon capacity, can be stacked two high;
- 10 drums at 5-gallon capacity, can be stacked two high;
- 10 boxes at 3.5 cu yd. capacity, maximum 220 gallons liquid.

Certification

Attachment 4-2 is a statement by an independent qualified professional engineer registered in the state of California certifying that the MPHF-HSAW is adequately designed and constructed for its intended use. This certification was performed in 2003 and is scheduled for a periodic review in 2014 to determine if updates or revisions are necessary when compared to current standards.

4.2 Operational Procedures

All mixed wastes generated at San Onofre Nuclear Generating Station are stored only in areas designated for mixed waste storage. The storage location of a mixed waste will be selected based on its radioactivity level and whether or not it is identified as a flammable or incompatible waste. Wastes are accumulated at various locations within the facility in accordance with the requirements of CRC 66262.34.

Operating and maintenance personnel contact the Environmental Protection Group (EPG) for drums and labels prior to generating a hazardous or mixed waste. Prior to moving mixed waste into one of the three designated storage areas, the EPG will be contacted and a tracking number will be assigned to that drum/container. Before any waste is moved to a storage area, the supervisor of Environmental Services and the Supervisor of Health Physics, or their designees, is notified.

Personnel are not permitted to handle any hazardous waste unsupervised, until completion of the specific training requirement for the task (see Section 7.0, Personnel Training). All personnel involved with hazardous wastes at the hazardous waste storage areas are provided with protective equipment including environmental monitoring and sampling devices, respirators, self-contained breathing apparatus (SCBA), goggles, boots, coveralls, gloves, hard hats, and face shields, as needed.

Container integrity is a key component to prevent the release of material to the environment. Containers with hazardous waste are inspected upon receipt and on a minimum of once a week for integrity and suitability. When activities occur at the hazardous waste storage areas, the inspection will be performed on a daily basis. Adequate aisle spaces between containers within the storage areas are maintained to allow unobstructed movement of personnel and equipment. Containers are placed on pallets to elevate them above possible spills/leaks and transported

with forklifts and drum dollies. Containers remain closed except when waste is being added, removed, sampled or repackaged. Containers will not be opened, handled or stored in a manner that may cause the container to leak or spill.

4.2.1 Hazardous and Mixed Waste Management, Treatment and Storage Activities:

4.2.1.1 Receive Wastes

Wastes are received for treatment under the DTSC Tiered Permitting rules at the HazMat Area - South Yard Facility. A Mixed Waste Inventory Log and a Treatment Log are kept to track these activities.

Mixed wastes are received for storage at any of the three permitted storage areas discussed in Section 4.1.

4.2.1.2 Accumulate Waste in Drums (Not requiring a permit)

Workplace Accumulation Areas (WPAAs) have been established to encourage the proper management of all hazardous waste without disrupting normal workplace routines. WPAAs serve numerous workers from nearby work locations and are under the control of the hazardous waste generator. The designated WPAA may be within a building or outside and, where appropriate, are protected from weather. The operating record identifies the location of each WPAA at SONGS. WPAA's for hazardous waste are managed in accordance with applicable 22 CCR requirements. WPAA's or mixed waste is managed in accordance with applicable requirement for both 22 CCR and 10 CFR. Where appropriate, "Radioactive Material" labels are provided as required by USNRC and USDOT regulations.

Hazardous wastes which are not radioactively contaminated are accumulated in waste accumulation containers until the containers become full or reach one year in accumulation time. Containers are then radiologically surveyed and transported to the appropriate storage area and prepared for shipment to a permitted recycling or disposal facility. Radioactively contaminated hazardous wastes are accumulated in a separate set of accumulation containers. When an accumulation container becomes full or reaches one year in accumulation, the container is then relocated to the appropriate storage area.

4.2.1.3 Sorting (Consolidation)

Similar and compatible wastes may be consolidated into fewer containers to reduce the total volume of hazardous and mixed wastes generated. This process segregates non-hazardous, hazardous and radioactive materials from wastes generated inside radioactively controlled areas.

4.2.2 Treatment Activities

Some hazardous and mixed wastes are treated on-site under Conditional Authorization or Conditional Exemption under DTSC's Tiered Permitting Program. A copy of the permit is included in Attachment 4-3. The following treatment activities are permitted:

DTSC Conditional Authorization:

- OCA-6: Oil Process - MWU

DTSC Conditional Exemption:

- OCA-1: Batch Plant Drum Crusher
- OCA-2: Batch Plant Aerosol Puncturing Device
- U2-5: Reactor Lab – Units 2/3
- U2-6: Reactor Lab – Units 2/3

4.2.2.1 Operational Procedures Used in Minimizing a Chance of Fire or Explosion

Any waste to be stored in a mixed waste storage area is screened by the EPG for compatibility with the presently stored waste. Incompatible wastes are segregated to minimize the possibility of fire or explosion. Likewise, ignitable and reactive wastes are segregated in storage. Segregating incompatible wastes during storage minimizes the production of gases, mists, and vapors. Volatile wastes are transferred in a manner that will minimize production of emissions. These actions minimize the potential for fire or explosions and protect employees from exposure.

SONGS has established written procedures and training programs to assure that incompatible wastes and materials are not placed in the same containers or in unwashed containers that previously held waste that could be incompatible. Empty containers are labeled to identify their previous contents.

The mixed waste storage areas are all located at least 50 feet from the facility's property line.

4.2.2.2 Segregation of Hazardous Waste (Nonradioactive) From Radioactive Waste

This section describes the operational controls used at San Onofre Nuclear Generating Station to assure that hazardous waste is not mixed with radioactive waste.

The area at SONGS in which an individual may be exposed to radiation and radioactive materials is called the Radiologica1Iy Controlled Area (RCA). Control of personnel access into the RCA for work or inspection is based on the issuance of a written authorization or permit. Permits describe the work to be done and the conditions under which the work can be performed. These permits also control the spread of radioactive contamination.

The physical boundaries of the RCA and the personnel monitoring at the entrance of the RCA ensure that radioactive materials are not inadvertently released from the RCA. In addition, radiation surveys are performed to augment the control of

radioactive materials. Radioactive materials and contaminated materials are controlled, contained, handled, used and transferred in accordance with applicable Nuclear Regulatory Commission (NRC) guidelines and plant implementing procedures. The NRC in conjunction with the EPA also regulates low level radioactive hazardous waste known as mixed waste.

SONGS has a comprehensive radiation protection monitoring program with trained technicians performing surveys and analyses. Analytical instrumentation is used to detect very low levels of radioactive contamination. All hazardous waste inside the RCA is routinely sampled and analyzed for radioactive contamination. Nonradioactive hazardous waste is segregated from radwaste and free released from the RCA for proper storage and disposal.

4.2.2.3 Decontamination Procedures

Equipment contaminated waste is decontaminated before being serviced. If equipment is required to be removed from the hazardous waste areas, it will be decontaminated, as appropriate. All decontamination activities are performed in a controlled area and the resulting rinsate is collected in an appropriate container. All hazardous and mixed wastes shipped to an approved off-site disposal facility are packaged and labeled in accordance with the DOT 49 CFR requirements. Disposable equipment is used as appropriate, thus eliminating rinsate disposal. All hazardous material, clean up material and decontamination liquids are disposed off-site according to Federal, State and Local Regulations.

4.3 Use of Containers

Containers for storage of Hazardous Waste and Mixed Waste must meet the specifications in 22 CCR and 49 CFR. A summary of the wastes generated at SONGS and the DOT packing requirements is presented in Attachment 4-3. SONGS typically uses, but is not limited to the following storage containers that may be new, reconditioned, or used:

- 55 Gallon steel or plastic drums
- 30 Gallon steel or plastic drums
- 5 Gallon steel or plastic drums
- 3.5 cubic yard Steel Boxes with plastic liners (220 gallons maximum liquid capacity per box)
- 20/40 Cubic Yard Bins

The containers used are chemically compatible with the hazardous waste that will be stored in them. Any used drums will be inspected prior to use to assure no residue of incompatible material inside has been left that might react with any hazardous waste to be added. SONGS relies on the specific DOT and UN specifications that indicate that the drums used are compatible with the wastes to be contained. Additionally, most wastes generated are consistent and follow existing protocol.

Overpacking will be used for bad drums, to lower radioactive dose for ALARA, and packaging prior to shipment. If a drum is put into an overpack drum for containment, no absorbent is added. Absorbents used to prepare overpack drums for shipment include, but are not limited to, clay, sphagsorb (peat moss), or vermiculite.

Hazardous waste drums are labeled clearly with the words "Hazardous Waste" and the following information:

- EPA and container identification Number;
- Composition and physical state of the wastes;
- Storage start date;
- Statements which call attention to the particular hazardous properties of the waste (e.g. flammable, reactive, etc.);
- Name and address of the facility (San Onofre Nuclear Generating Station, P.O. Box 128, Pacific Coast Highway, San Clemente, California, 92674).

4.4 Container Management Practices

All marking and labeling of hazardous waste containers is placed on the top one-third of the container side and remain legible until final disposal.

- Containers are kept closed except when waste is added or removed.
- Containers are not opened, handled, transferred or stored in a manner that may rupture the containers or cause them to leak. Containers in good condition may be reused.
- Accumulation or storage containers in poor condition (indicated by bulges, large dents, holes, leaks, severe rust, or any other defects) will be placed in recovery, overpack, or salvage drums and/or have their contents transferred to another container.
- If necessary, waste in damaged containers is transferred into a container in good condition.
- Drums are placed with an adequate isle space between them to allow the free movement of equipment and persons. In general, drums may be stacked up to two tiers high
- Containers or their liners are compatible with the wastes contained. Incompatible wastes are not placed in the same container and are segregated from each other.
- Ignitable wastes are stored in such a manner that they are protected from any material or conditions which may cause them to ignite. Storage must be in non-leaking containers which are carefully handled in a manner to avoid heat, sparks, rupture, or any other condition that may cause ignition of the waste.

SONGS operations comply with NFPA 30 and the uniform fire code. The MPHF building and the SYF are equipped with sprinklers and there is adequate ventilation to preclude accumulation of flammable and/or ignitable gases. **If** welding is performed, it is done by permit per established procedures.

Administratively, the hazardous waste handlers are trained to operate tools and equipment in a manner that minimizes potential for ignition of wastes. Ignitable wastes are adequately segregated to minimize reactions that may result in ignition of waste.

- Empty containers are defined according to CCR 66261.7. This section defines a container or an inner liner as empty if they were triple rinsed using a solvent capable of removing the waste and/or all pourable residues. Once a container is deemed to be empty, it is crushed, landfilled and/or recycled.
- Stored waste containers and associated containment are inspected weekly for evidence of leakage and deterioration.
- Liquids containing polychlorinated biphenyls at concentrations greater than or equal to 50 ppm will be collected in drums and stored in a unit that meets the requirements of 40 CFR

Section 761.65(b).

- Containers are placed in areas protected against deterioration from the weather through a metal roof and or building covering the whole extent of the hazardous waste storage areas where the containers are placed. Containers are placed on pallets to elevate them above possible spills or leaks, and transported with forklifts and drum dollies.

4.5 Shipments of Hazardous and Mixed Waste

All shipments of hazardous and mixed waste to an off-site treatment or disposal site are accompanied by a Uniform Hazardous Waste Manifest. The preparation for shipment and completion of a manifest is done in accordance with SONGS Operating Procedure S0123-IX-2.202, Hazardous/Mixed Waste/Material Shipments.

Attachment 4-1

DESIGN CERTIFICATION
HAZMAT AREA - SOUTH YARD FACILITY

Design Certification

HazMat Area – South Yard Facility

San Onofre Nuclear Generating Station
EPA I.D. No. CAD 000630921

The HazMat Area - SYF is an approximately 9,700 square foot reinforced concrete pad with a structural steel supported canopy roof. The concrete pad is a minimum 6 inches thick with a perimeter curb a minimum of 12 inches high. The canopy roof was added in 1985. A detailed drawing is attached as Figure 4-1. The area has been subdivided into three sections: Section A and B for storage of mixed waste containers and Section C for the storage of hazardous waste for less than 90 days in accordance with generator rules.

The construction of the HazMat Area - SYF, combined with an enclosed floor collection system, provides secondary containment in accordance with CCR 66264.175. The concrete base is free of cracks and gaps and is sufficiently impervious to contain leaks or spills. Each section of the concrete floor is sloped at 1/8" per foot to its own drainage collection sump. Section A provides approximately 13,400 gallons of secondary containment and the combined capacity of Section B and C provide approximately 47,000 gallons of secondary containment (Section B provides only 825 gallons capacity before spilling over the 2 inch berm into Section C).

The 24-hour, 25-year storm event is 5 inches (*Source: Rainfall Analysis for Drainage Design, State of California Department of Water Resources*). Since the area is approximately 9,700 square feet, the design volume of water from precipitation could be as high as 30,230 gallons. However, assuming the roof reduces the effects of precipitation by at least 50%, the design precipitation will be 15,100 gallons (rounded). Proportionately, this is about:

- 3,600 gallons for Section A
- 11,500 gallons for Section B + C

The permitted capacity of containers is:

No. of Containers	Volume of Containers (gallons)	Capacity (gallons)	10% of Capacity (gallons)
800 Drums	55 gallons	44,000	4,400
30 Drums	30 gallons	900	90
30 Drums	5 gallons	150	15
5 Boxes	220 gallons	1,100	110
		46,150	**4,615**

Thus, the design capacity exceeds the criteria for both areas as follows:

- Section A: 13,400 > 3,600 + 4,615
- Sections B+C: 47,000 > 11,500 + 4,615
  However, an operational limit of 300,000 gallons of hazardous waste should be imposed on the storage capacity of Section C in order to assure the design capacity of Section B is always available.

Based on my review of operating records and site drawings, interviews with plant personnel, and a site visit on December 22, 2000, I hereby certify that the HazMat Area – South Yard Facility has been suitably designed to meet the requirements of the applicable sections of Title 22 of the California Code of Regulations and Title 40 Code of Federal Regulations. A separate certification addresses compliance with the International Building Code (IBC 2000). Based on my site visit, I further certify that the subject mixed waste storage area was constructed in compliance with the above referenced regulations, and, to the best of my knowledge and belief, was being operated in a safe manner at the time of my visit.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

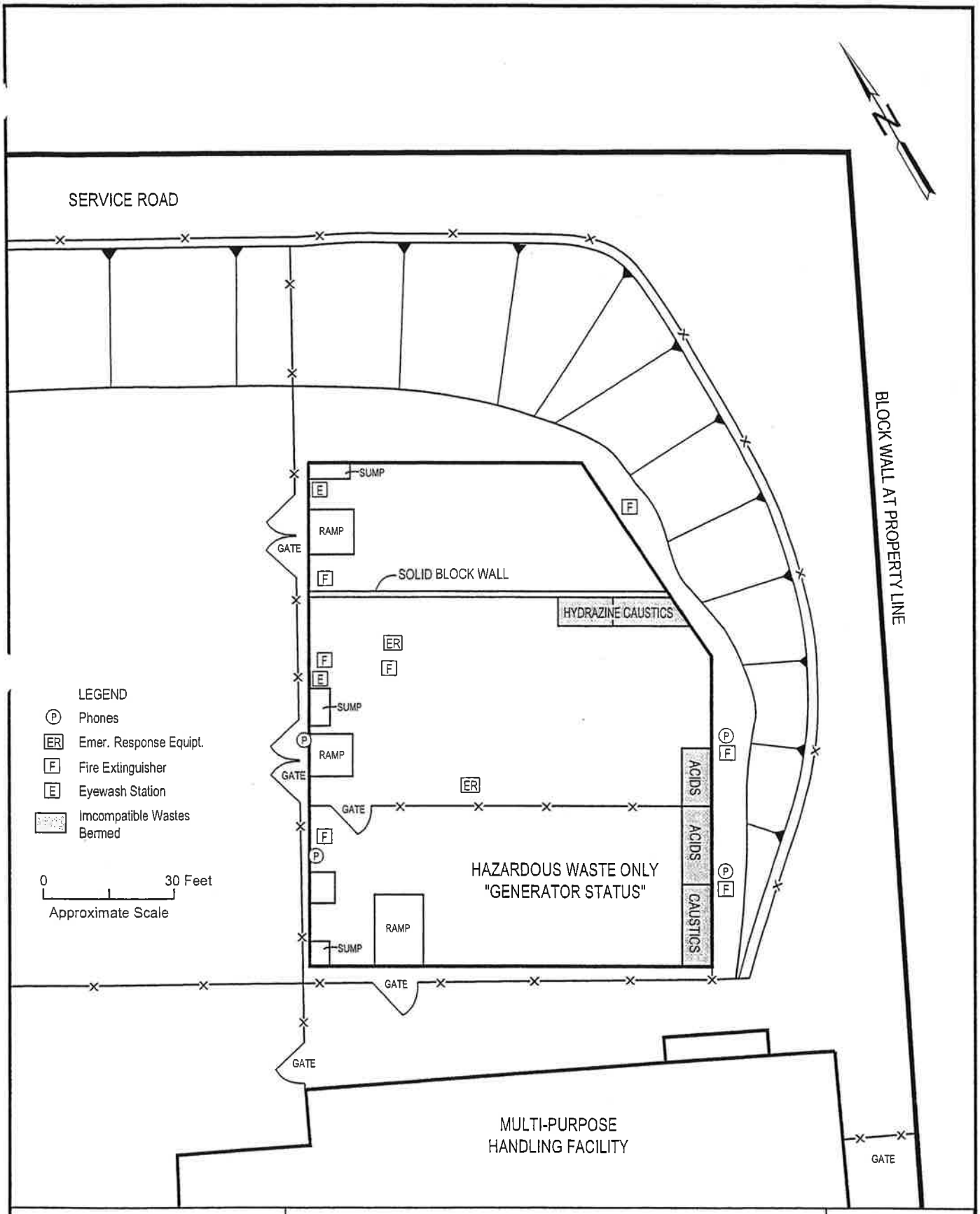
1-18-01
Date

Steven J. Bauman

Steven J. Bauman
Vice President and Principal Engineer
Kintr Environmental, Inc.
California Registered Civil Engineer No. C 34324

REGISTERED PROFESSIONAL ENGINEER
STEVEN J. BAUMAN
C 34324
EXP. 9-30-03
CIVIL
STATE OF CALIFORNIA

Attachment: Figure 4-1



Kintr Environmental, Inc.

HAZMAT AREA - SOUTH YARD FACILITY

San Onofre Nuclear Generating Station

Southern California Edison, San Diego County, California

Figure **4-1**

January 2001

BayArtDept.com

January 18, 2001

M.J. JOHNSON

Subject: South Yard Facility Hazardous Waste Batch Plant
Canopy Seismic Evaluation
San Onofre Nuclear Generating Station, Units 2 & 3

References: 1. Draft Calculation C-274-07, Rev. 0, "SYF Batch Plant Hazardous Waste Storage Structural Evaluation"

The Nuclear Engineering Design Organization has prepared a draft analysis (Ref. 1.) that examines the seismic capacity of the canopy covering the Hazardous Waste Batch Plant at the South Yard Facility. The analysis has been prepared using the response spectra and seismic design provisions of the International Building Code, 2000 edition (IBC 2000). Our preliminary conclusion is that the canopy's design satisfies the IBC 2000's seismic design provisions.

The analysis has determined spectra in the critical lateral direction and combined these loads with traditional dead and live loads to examine the structural frame. Structural evaluation results of the steel frame have determined that the resultant stresses and deflections are within the material limits defined by the AISC. The evaluation has also examined the roof structure for the appropriate loading. Results for this component also meet AISC limits.

We expect to issue the final calculation by the end of January 2001. Please call me at PAX 82340 if you have any questions.

P. Cagnet for R. F. O

R. F. OSBORNE
Civil Group Supervisor

cc: J. Summy
B. Metz
CDM

Attachment 4-2

DESIGN CERTIFICATIONS –
MULTI-PURPOSE HANDLING FACILITY

- **MPHF-LSAW**
- **MPHF-HSAW**

Design Certification

Multi-Purpose Handling Facility

- *Low Specific Activity Waste*
- *High Specific Activity Waste*

San Onofre Nuclear Generating Station
EPA I.D. No. CAD 000630921

The MPHF building is an approximately 15,470 square foot reinforced concrete foundation with 2-foot thick reinforced concrete walls. The LSAW storage area is a section approximately 30 feet by 30 feet located in the southeast corner of the building. The HSAW storage area is a section approximately 20 feet by 20 feet located near the center of the building. A detailed drawing is provided in Attachment 4-2.

The construction of the MPHF building, combined with an enclosed floor collection system, provides secondary containment in accordance with CCR 66264.175. The concrete base is free of cracks and gaps and is sufficiently impervious to contain leaks or spills. The floor is painted to improve the impervious nature of the concrete to the hazardous and mixed wastes generated. The building sump provides approximately 40,500 gallons of secondary containment for both areas.

The precipitation criterion does not affect the containment calculation because the areas are completely enclosed within a building structure.

The permitted capacity of containers in the LSAW area is:

No. of Containers	Volume of Containers (gallons)	Capacity (gallons)	10% of Capacity (gallons)
100 Drums	55 gallons	5,500	550
10 Drums	30 gallons	300	30
10 Drums	5 gallons	50	5
10 Boxes	220 gallons	2,200	220
		8,050	**805**

The permitted capacity of containers in the HSAW area is:

No. of Containers	Volume of Containers (gallons)	Capacity (gallons)	10% of Capacity (gallons)
100 Drums	55 gallons	5,500	550
10 Drums	30 gallons	300	30
10 Drums	5 gallons	50	5
10 Boxes	220 gallons	2,200	220
		8,050	**805**

Thus, the design capacity exceeds the criteria for both areas as follows:

- 40,500 > 805 + 805

Based on my review of operating records and site drawings, interviews with plant personnel, and a site visit on December 22, 2000, I hereby certify that the Multi-Purpose Handling Facility has been suitably designed to meet the requirements of the applicable sections of Title 22 of the California Code of Regulations and Title 40 Code of Federal Regulations. A separate certification addresses compliance with the International Building Code (IBC 2000). Based on my site visit, I further certify that the subject mixed waste storage area was constructed in compliance with the above referenced regulations, and, to the best of my knowledge and belief, was being operated in a safe manner at the time of my visit.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

7/30/02
Date

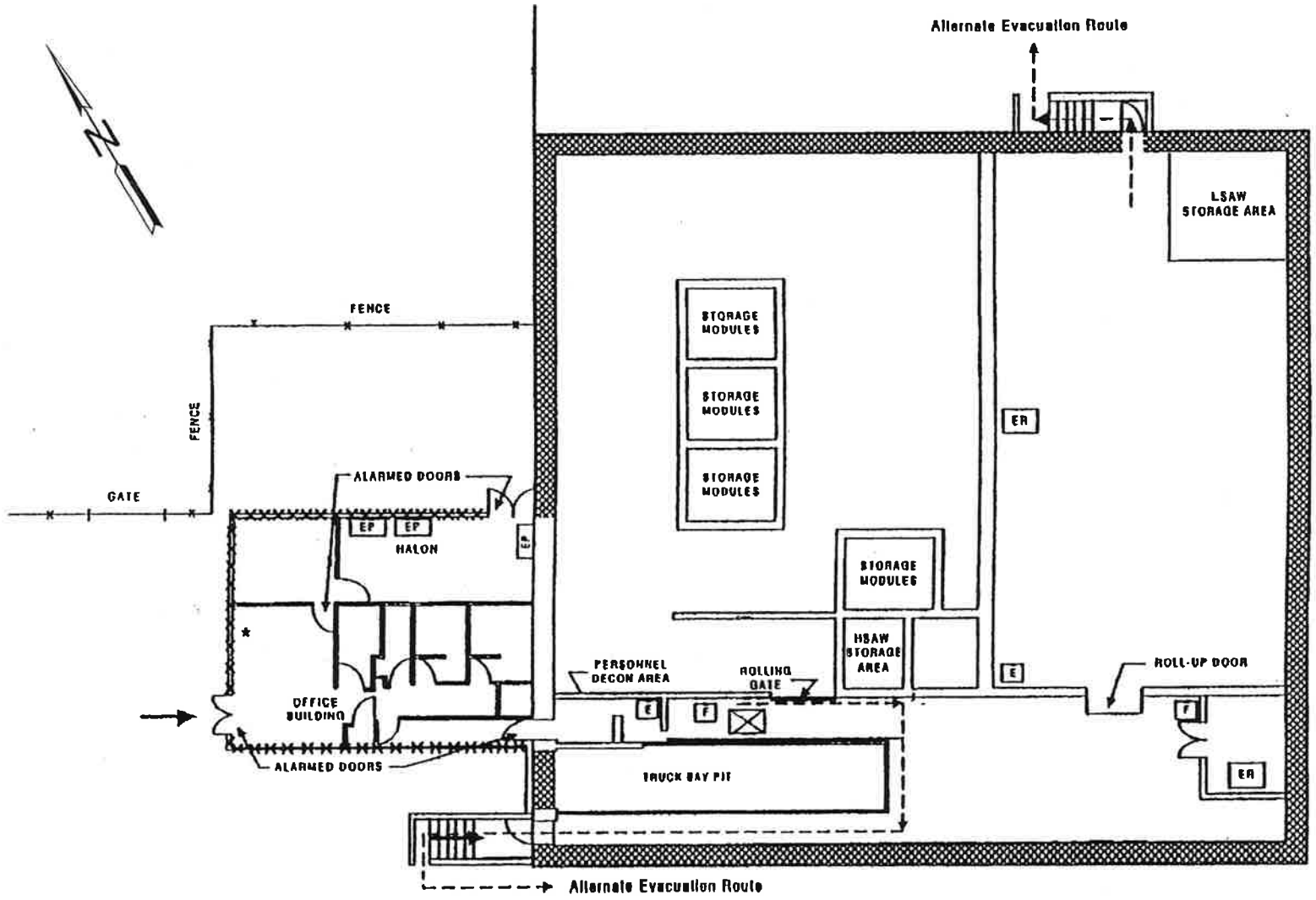
Steve Bauman

Steven J. Bauman
Vice President and Principal Engineer
Kintr Environmental, Inc.
California Registered Civil Engineer No. C 34324

REGISTERED PROFESSIONAL ENGINEER
STEVEN J. BAUMAN
C 34324
EXPIRES 9-30-03
CIVIL
STATE OF CALIFORNIA

Steven J. Bauman

Attachment: Figure 4-2



Kintr Environmental, Inc.

MULTIPURPOSE HANDLING FACILITY

San Onofre Nuclear Generating Station

Southern California Edison, San Diego County, California

Figure

4-2

December 2000

BayArtDept.com

January 18, 2001

M.J. JOHNSON

Subject: Seismic Evaluation of the Multi-Purpose Holding Facility
San Onofre Nuclear Generating Station, Units 2 & 3

References:

1. SOC/F-210-3-143, Rev. 0, "Low Level Radioactive Waste Storage Building Multipurpose Holding Facility"

2. Calculation C-275-01, Rev. 0, "Multi-Purpose Holding Facility Operating Basis Earthquake (OBE) Evaluation"

The Nuclear Engineering Design Organization has reviewed the seismic design of the Multi-Purpose Holding Facility compared to the seismic design provisions of the International Building Code, 2000 edition (IBC 2000). We have concluded that the building's design satisfies seismic design provisions of the IBC 2000.

Our conclusion is based on a qualitative review of two previously performed structural analyses of the building. We found that the original structural design of the building (Reference 1) employed the Uniform Building Code, 1982 edition (UBC 1982). The design requirements of this code are somewhat less stringent than the IBC 2000. After the construction of the building, an additional evaluation was performed (Reference 2) that considered the plant's Operating Basis Earthquake (OBE) spectra. OBE earthquake loads are two to three times as severe as those used in the original structural design and significantly higher than those specified by IBC 2000. The structural capacity was evaluated in a manner that is comparable to IBC 2000 design requirements. The re-evaluation concluded that the structure was capable of withstanding these higher earthquake loads.

Please call me at PAX 82340 if you have any questions.

R. F. OSBORNE
Civil Group Supervisor

cc: J. Summy
B. Metz
CDM

Attachment 4-3

DTSC TIERED PERMITS

STATE OF CALIFORNIA—CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, Governor

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
400 P STREET, 4TH FLOOR
P. O. BOX 806
SACRAMENTO, CA 95812-0806
(916) 323-5871

December 5, 1995

EPA ID: CAD000630921

SO CAL EDISON CO/SAN ONOFRE NUC GEN STA
H W NEWTON
#1,2&3/PO BOX 128 (W-44)
SAN CLEMENTE, CA 92674

Initial Authorization: 12/15/93
Amendment Date: 11/16/95

For facility located at:
PACIFIC COAST HWY #2 & 3
SAN CLEMENTE, CA 92674

Dear Onsite Treatment Facility:

The Department of Toxic Substances Control (DTSC) has received your facility specific Amended notification (form DTSC 1772). Your notification is administratively complete, but has not been reviewed for technical adequacy. A technical review of your notification will be conducted when an inspection is performed. At any time, you may be inspected and will be subject to penalty if violations of laws or regulations are found.

The Department acknowledges receipt of your completed Amended notification for the treatment unit(s) listed on the last page of this letter. These units are authorized by California law without additional Department action. Your authorization to operate continues until you notify DTSC that you have stopped treating waste and have fully closed the unit(s). DTSC has revised its database records to reflect your status and has notified the Board of Equalization (BOE). You will be billed annual fees by BOE calculated on a calendar year basis for each year you operate and/or have not notified DTSC that the units have been closed.

If you have any questions regarding this letter, or have questions on operating requirements for your facility, please contact the nearest DTSC regional office, or this office at the letterhead address or telephone number.

Sincerely,

Ann M Carlberg for

Sangat Kais, Ph.D., Chief
Tiered Permitting Compliance Section
State Regulatory Program Division

cc: See next page.

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DEPARTMENT OF TOXIC SUBSTANCES CONTROL
400 P STREET, 4TH FLOOR
BOX 806
SACRAMENTO, CA 95812-0806

cc:

SONIA LOW
DTSC REGION 4 OFFICE
SURVEILLANCE & ENFORCEMENT BR.
245 WEST BROADWAY, SUITE 350
LONG BEACH, CA 90802

GARY STEPHANY
SAN DIEGO COUNTY
ENVIRONMENTAL HEALTH SERVICES
1255 IMPERIAL AVENUE, 4TH FLR
P.O. BOX 85261
SAN DIEGO, CA 92186

STATE BOARD OF EQUALIZATION
STEPHEN R. RUDD, ADMINISTRATOR
ENVIRONMENTAL FEES DIVISION
P.O. BOX 942879
SACRAMENTO, CA 94279-0001

Units authorized to operate at this location:

UNDER CONDITIONAL AUTHORIZATION:	OCA-6
UNDER CONDITIONAL EXEMPTION:	OCA-1
UNDER CONDITIONAL EXEMPTION:	OCA-2
UNDER CONDITIONAL EXEMPTION:	OCA-4
UNDER CONDITIONAL EXEMPTION:	U2-5
UNDER CONDITIONAL EXEMPTION:	U2-6

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SOUTHERN CALIFORNIA
EDISON
An EDISON INTERNATIONAL Company

December 29, 1999

Mr. John Misleh
Department of Environmental Health
Hazardous Materials Division
P.O. Box 12961
San Diego, CA 92112-9261

SUBJECT: Closure Notification for Conditionally Exempt-Specified Wastestream, Units M6 and OCA-4 located at Southern California Edison, San Onofre Nuclear Generating Station.

Dear Mr. Misleh;

This is the closure notification for two Conditionally Exempt-Specified Wastestream, Tiered Permit Unit ID numbers M6 (Silver Recovery Unit - Medical), under EPA ID #CAD983629650 and OCA-4 (Silver Recovery Unit - CDM), under EPA ID #CAD000630921. Both units are for silver recovery treatment, which are exempt from Tiered Permitting pursuant to Senate Bill (SB) 2111.

If you should have any questions, please call Brian Metz at (949) 368-6829.

Sincerely,

H.W. Newton
Manager, Site Support Services

cc: Mike Dorsey (DEH)
MJJohnson
DJEnsminger
BDMetz
IDB-Hazmat
CDM

P. O. Box 128
San Clemente, CA 92674-0128

Attachment 4-4

DOT PACKING REQUIREMENTS

DOT PACKING REQUIREMENTS[1]

Waste	Group	Hazard Class / Division	ID#	Packaging Group	Label(s) Required	Packaging Authorizations[2]		
						Exceptions	Non-Bulk Pkg	Bulk Pkg
Flammable Liquid	Unspecified Organic Liquid Mixture	3	UN1993	I	Flammable Liquid	150 150 150	201 202 203	243 242 242
Sulfuric Acid[2]	Acids	8	UN1830	II	Corrosive	154	202	242
Sodium Hypochlorite[2]	Halogenated Inorganic Chemical	8	UN1791	III	Corrosive	154	203	241
Sodium Hydroxide Solid	Caustic Solids	8	UN1823	II	Corrosive	154	212	240
Sodium Hydroxice Solution	Caustic Liquids	8	UN1824	II	Corrosive	154	202	242
Hydrazine[2]	Oxidizers	8	UN2030	II	Corrosive, Poison	None	202	243
Ammonium Hydroxide	Ammonia Solutions	8	UN2672	III	Corrosive	154	203	241
1, 1, 1-Trichloroethane	Halogenated Hydrocarbon	6.1	UN2831	III	Keep Away from Food	153	203	241
1, 1, 2-Trichloro-1, 2, 2-trifluoroethane (Freon)	Liquid Refigerants	6.1	NA1993	III	Keep Away from Food	174	174	None
Combustible Liquid (Oil)[1]	Waste Oil / Mixed Oil	-	NA1993	III	None	150	203	241
Asbestos	Asbestos	9	UN2590	III	Class 9	155	216	240
Combustible Solid	Oil / Absorbent Rags	4.1	UN1325	II or III	Flammable Solid	151	212/213	240
Corrosive Solid[2]	Acid / Caustic Clean-ups	8	UN1759	I II III	COrrosive	None 154 154	211 212 213	242 240 240
Corrosive Liquid[2]	Acid / Caustic Clean-ups	8	UN1760	I II III	Corrosive	None 154 154	201 202 203	243 242 241
Flammable Solid	Paint Sludge	4.1	UN1325	II III	Flammable Solid	151 151	212 213	240 240
Sandblast Grit	Inorganic Solid Waste	6.1	N/A	III	Keep Away from Food	151	213	240
Synthetic Oil	Waste Oil / Mixed Oil	6.1	N/A	III	Keep Away from Food	151	213	240
Ethylene Glycol	Glycol Aqueous Solutions	6.1	UN2369	III	Keep Away from Food	153	203	241
Steam Generator Sludge	Inorganic Solid Waste	6.1	N/A	III	Keep Away from Food	151	213	240
Oil/Trichloroethane	Halogenated Hydrocarbon	6.1	UN2831	III	Keep Away from Food	153	203	241

Notes: 1 Source: 49 CFR Part 172, 173, 178, 179.
2 Refer to the specific 49 CFR Parts 173, * * * for DOT packaging authorization.

Attachment 4-1

DESIGN CERTIFICATION
HAZMAT AREA - SOUTH YARD FACILITY

Design Certification

HazMat Area – South Yard Facility

San Onofre Nuclear Generating Station
EPA I.D. No. CAD 000630921

The HazMat Area - SYF is an approximately 9,700 square foot reinforced concrete pad with a structural steel supported canopy roof. The concrete pad is a minimum 6 inches thick with a perimeter curb a minimum of 12 inches high. The canopy roof was added in 1985. A detailed drawing is attached as Figure 4-1. The area has been subdivided into three sections: Section A and B for storage of mixed waste containers and Section C for the storage of hazardous waste for less than 90 days in accordance with generator rules.

The construction of the HazMat Area - SYF, combined with an enclosed floor collection system, provides secondary containment in accordance with CCR 66264.175. The concrete base is free of cracks and gaps and is sufficiently impervious to contain leaks or spills. Each section of the concrete floor is sloped at 1/8" per foot to its own drainage collection sump. Section A provides approximately 13,400 gallons of secondary containment and the combined capacity of Section B and C provide approximately 47,000 gallons of secondary containment (Section B provides only 825 gallons capacity before spilling over the 2 inch berm into Section C).

The 24-hour, 25-year storm event is 5 inches (*Source: Rainfall Analysis for Drainage Design, State of California Department of Water Resources*). Since the area is approximately 9,700 square feet, the design volume of water from precipitation could be as high as 30,230 gallons. However, assuming the roof reduces the effects of precipitation by at least 50%, the design precipitation will be 15,100 gallons (rounded). Proportionately, this is about:

- 3,600 gallons for Section A
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The permitted capacity of containers is:

No. of Containers	Volume of Containers (gallons)	Capacity (gallons)	10% of Capacity (gallons)
800 Drums	55 gallons	44,000	4,400
30 Drums	30 gallons	900	90
30 Drums	5 gallons	150	15
5 Boxes	220 gallons	1,100	110
		46,150	**4,615**

Thus, the design capacity exceeds the criteria for both areas as follows:

- Section A: 13,400 > 3,600 + 4,615
- Sections B+C: 47,000 > 11,500 + 4,615
  However, an operational limit of 300,000 gallons of hazardous waste should be imposed on the storage capacity of Section C in order to assure the design capacity of Section B is always available.

Based on my review of operating records and site drawings, interviews with plant personnel, and a site visit on December 22, 2000, I hereby certify that the HazMat Area – South Yard Facility has been suitably designed to meet the requirements of the applicable sections of Title 22 of the California Code of Regulations and Title 40 Code of Federal Regulations. A separate certification addresses compliance with the International Building Code (IBC 2000). Based on my site visit, I further certify that the subject mixed waste storage area was constructed in compliance with the above referenced regulations, and, to the best of my knowledge and belief, was being operated in a safe manner at the time of my visit.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

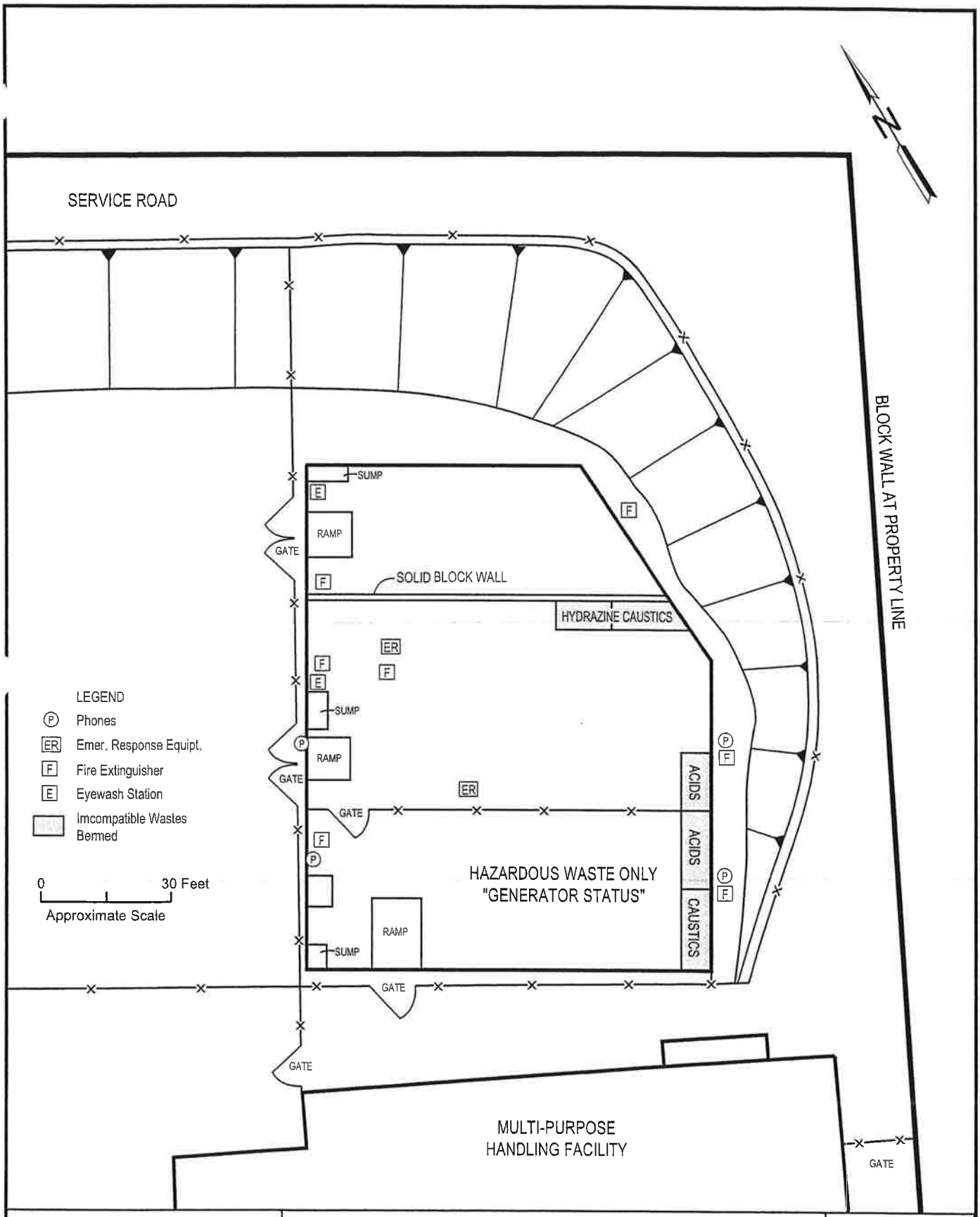
1-18-01
Date

Steven J. Bauman

Steven J. Bauman
Vice President and Principal Engineer
Kintr Environmental, Inc.
California Registered Civil Engineer No. C 34324

REGISTERED PROFESSIONAL ENGINEER
STEVEN J. BAUMAN
C 34324
EXP. 9-30-02
CIVIL
STATE OF CALIFORNIA

Attachment: Figure 4-1



Kintr Environmental, Inc.

HAZMAT AREA - SOUTH YARD FACILITY

San Onofre Nuclear Generating Station

Southern California Edison, San Diego County, California

Figure **4-1**

January 2001

BayArtDept.com

January 18, 2001

M.J. JOHNSON

Subject: South Yard Facility Hazardous Waste Batch Plant
Canopy Seismic Evaluation
San Onofre Nuclear Generating Station, Units 2 & 3

References: 1. Draft Calculation C-274-07, Rev. 0, "SYF Batch Plant Hazardous Waste Storage Structural Evaluation"

The Nuclear Engineering Design Organization has prepared a draft analysis (Ref. 1.) that examines the seismic capacity of the canopy covering the Hazardous Waste Batch Plant at the South Yard Facility. The analysis has been prepared using the response spectra and seismic design provisions of the International Building Code, 2000 edition (IBC 2000). Our preliminary conclusion is that the canopy's design satisfies the IBC 2000's seismic design provisions.

The analysis has determined spectra in the critical lateral direction and combined these loads with traditional dead and live loads to examine the structural frame. Structural evaluation results of the steel frame have determined that the resultant stresses and deflections are within the material limits defined by the AISC. The evaluation has also examined the roof structure for the appropriate loading. Results for this component also meet AISC limits.

We expect to issue the final calculation by the end of January 2001. Please call me at PAX 82340 if you have any questions.

P. Cagnet for R.F.O

R. F. OSBORNE
Civil Group Supervisor

cc: J. Summy
B. Metz
CDM

Attachment 4-2

DESIGN CERTIFICATIONS – MULTI-PURPOSE HANDLING FACILITY

- **MPHF-LSAW**
- **MPHF-HSAW**

Design Certification

Multi-Purpose Handling Facility

- ***Low Specific Activity Waste***
- ***High Specific Activity Waste***

San Onofre Nuclear Generating Station
EPA I.D. No. CAD 000630921

The MPHF building is an approximately 15,470 square foot reinforced concrete foundation with 2-foot thick reinforced concrete walls. The LSAW storage area is a section approximately 30 feet by 30 feet located in the southeast corner of the building. The HSAW storage area is a section approximately 20 feet by 20 feet located near the center of the building. A detailed drawing is provided in Attachment 4-2.

The construction of the MPHF building, combined with an enclosed floor collection system, provides secondary containment in accordance with CCR 66264.175. The concrete base is free of cracks and gaps and is sufficiently impervious to contain leaks or spills. The floor is painted to improve the impervious nature of the concrete to the hazardous and mixed wastes generated. The building sump provides approximately 40,500 gallons of secondary containment for both areas.

The precipitation criterion does not affect the containment calculation because the areas are completely enclosed within a building structure.

The permitted capacity of containers in the LSAW area is:

No. of Containers	**Volume of Containers** (gallons)	**Capacity** (gallons)	**10% of Capacity** (gallons)
100 Drums	55 gallons	5,500	550
10 Drums	30 gallons	300	30
10 Drums	5 gallons	50	5
10 Boxes	220 gallons	2,200	220
		8,050	**805**

The permitted capacity of containers in the HSAW area is:

No. of Containers	**Volume of Containers** (gallons)	**Capacity** (gallons)	**10% of Capacity** (gallons)
100 Drums	55 gallons	5,500	550
10 Drums	30 gallons	300	30
10 Drums	5 gallons	50	5
10 Boxes	220 gallons	2,200	220
		8,050	**805**

Thus, the design capacity exceeds the criteria for both areas as follows:

- 40,500 > 805 + 805

Based on my review of operating records and site drawings, interviews with plant personnel, and a site visit on December 22, 2000, I hereby certify that the Multi-Purpose Handling Facility has been suitably designed to meet the requirements of the applicable sections of Title 22 of the California Code of Regulations and Title 40 Code of Federal Regulations. A separate certification addresses compliance with the International Building Code (IBC 2000). Based on my site visit, I further certify that the subject mixed waste storage area was constructed in compliance with the above referenced regulations, and, to the best of my knowledge and belief, was being operated in a safe manner at the time of my visit.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

7/30/02
Date

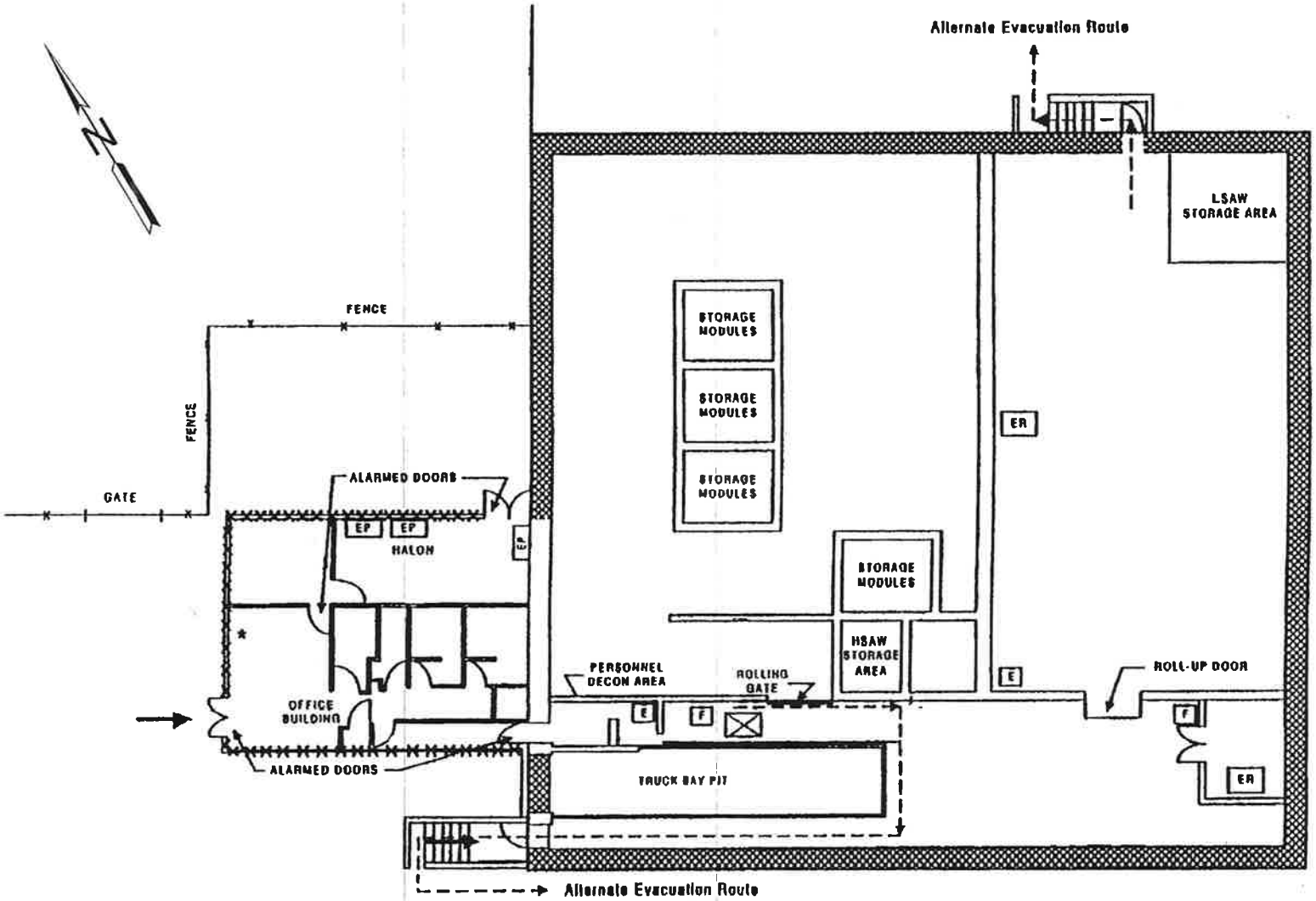
Steve Bauman

Steven J. Bauman
Vice President and Principal Engineer
Kintr Environmental, Inc.
California Registered Civil Engineer No. C 34324

REGISTERED PROFESSIONAL ENGINEER
STEVEN J. BAUMAN
C 34324
EXPIRES 9-30-03
CIVIL
STATE OF CALIFORNIA

Steven J. Bauman

Attachment: Figure 4-2



Kintr Environmental, Inc.

MULTIPURPOSE HANDLING FACILITY

San Onofre Nuclear Generating Station

Southern California Edison, San Diego County, California

Figure

4-2

December 2000

BayArtDept.com

January 18, 2001

M.J. JOHNSON

Subject: Seismic Evaluation of the Multi-Purpose Holding Facility
San Onofre Nuclear Generating Station, Units 2 & 3

References:

1. SOC/F-210-3-143, Rev. 0, "Low Level Radioactive Waste Storage Building Multipurpose Holding Facility"

2. Calculation C-275-01, Rev. 0, "Multi-Purpose Holding Facility Operating Basis Earthquake (OBE) Evaluation"

The Nuclear Engineering Design Organization has reviewed the seismic design of the Multi-Purpose Holding Facility compared to the seismic design provisions of the International Building Code, 2000 edition (IBC 2000). We have concluded that the building's design satisfies seismic design provisions of the IBC 2000.

Our conclusion is based on a qualitative review of two previously performed structural analyses of the building. We found that the original structural design of the building (Reference 1) employed the Uniform Building Code, 1982 edition (UBC 1982). The design requirements of this code are somewhat less stringent than the IBC 2000. After the construction of the building, an additional evaluation was performed (Reference 2) that considered the plant's Operating Basis Earthquake (OBE) spectra. OBE earthquake loads are two to three times as severe as those used in the original structural design and significantly higher than those specified by IBC 2000. The structural capacity was evaluated in a manner that is comparable to IBC 2000 design requirements. The re-evaluation concluded that the structure was capable of withstanding these higher earthquake loads.

Please call me at PAX 82340 if you have any questions.

R. F. OSBORNE
Civil Group Supervisor

cc: J. Summy
B. Metz
CDM

Attachment 4-3

DTSC TIERED PERMITS

STATE OF CALIFORNIA—CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, *Governor*

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

400 P STREET, 4TH FLOOR
P. O. BOX 806
SACRAMENTO, CA 95812-0806
(916) 323-5871

December 5, 1995

EPA ID: CAD000630921

SO CAL EDISON CO/SAN ONOFRE NUC GEN STA
H W NEWTON
#1,2&3/PO BOX 128 (W-44)
SAN CLEMENTE, CA 92674

Initial Authorization: 12/15/93
Amendment Date: 11/16/95

For facility located at:
PACIFIC COAST HWY #2 & 3
SAN CLEMENTE, CA 92674

Dear Onsite Treatment Facility:

The Department of Toxic Substances Control (DTSC) has received your facility specific Amended notification (form DTSC 1772). Your notification is administratively complete, but has not been reviewed for technical adequacy. A technical review of your notification will be conducted when an inspection is performed. At any time, you may be inspected and will be subject to penalty if violations of laws or regulations are found.

The Department acknowledges receipt of your completed Amended notification for the treatment unit(s) listed on the last page of this letter. These units are authorized by California law without additional Department action. Your authorization to operate continues until you notify DTSC that you have stopped treating waste and have fully closed the unit(s). DTSC has revised its database records to reflect your status and has notified the Board of Equalization (BOE). You will be billed annual fees by BOE calculated on a calendar year basis for each year you operate and/or have not notified DTSC that the units have been closed.

If you have any questions regarding this letter, or have questions on operating requirements for your facility, please contact the nearest DTSC regional office, or this office at the letterhead address or telephone number.

Sincerely,

Ann M Carling for

Sangat Kais, Ph.D., Chief
Tiered Permitting Compliance Section
State Regulatory Program Division

cc: See next page.

Printed on Recycled Paper

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
400 P STREET, 4TH FLOOR
BOX 806
SACRAMENTO, CA 95812-0806

cc:

SONIA LOW
DTSC REGION 4 OFFICE
SURVEILLANCE & ENFORCEMENT BR.
245 WEST BROADWAY, SUITE 350
LONG BEACH, CA 90802

GARY STEPHANY
SAN DIEGO COUNTY
ENVIRONMENTAL HEALTH SERVICES
1255 IMPERIAL AVENUE, 4TH FLR
P.O. BOX 85261
SAN DIEGO, CA 92186

STATE BOARD OF EQUALIZATION
STEPHEN R. RUDD, ADMINISTRATOR
ENVIRONMENTAL FEES DIVISION
P.O. BOX 942879
SACRAMENTO, CA 94279-0001

Units authorized to operate at this location:

UNDER CONDITIONAL AUTHORIZATION:	OCA-6
UNDER CONDITIONAL EXEMPTION:	OCA-1
UNDER CONDITIONAL EXEMPTION:	OCA-2
UNDER CONDITIONAL EXEMPTION:	OCA-4
UNDER CONDITIONAL EXEMPTION:	U2-5
UNDER CONDITIONAL EXEMPTION:	U2-6

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SOUTHERN CALIFORNIA
EDISON
An EDISON INTERNATIONAL Company

December 29, 1999

Mr. John Misleh
Department of Environmental Health
Hazardous Materials Division
P.O. Box 12961
San Diego, CA 92112-9261

SUBJECT: Closure Notification for Conditionally Exempt-Specified Wastestream, Units M6 and OCA-4 located at Southern California Edison, San Onofre Nuclear Generating Station.

Dear Mr. Misleh;

This is the closure notification for two Conditionally Exempt-Specified Wastestream, Tiered Permit Unit ID numbers M6 (Silver Recovery Unit - Medical), under EPA ID #CAD983629650 and OCA-4 (Silver Recovery Unit - CDM), under EPA ID #CAD000630921. Both units are for silver recovery treatment, which are exempt from Tiered Permitting pursuant to Senate Bill (SB) 2111.

If you should have any questions, please call Brian Metz at (949) 368-6829.

Sincerely,

H.W. Newton
Manager, Site Support Services

cc: Mike Dorsey (DEH)
MJJohnson
DJEnsminger
BDMetz
IDB-Hazmat
CDM

P. O. Box 128
San Clemente, CA 92674-0128

Attachment 4-4

DOT PACKING REQUIREMENTS

DOT PACKING REQUIREMENTS[1]

Waste	Group	Hazard Class / Division	ID#	Packaging Group	Label(s) Required	Packaging Authorizations[2]		
						Exceptions	Non-Bulk Pkg	Bulk Pkg
Flammable Liquid	Unspecified Organic Liquid Mixture	3	UN1993	I	Flammable Liquid	150 150 150	201 202 203	243 242 242
Sulfuric Acid[2]	Acids	8	UN1830	II	Corrosive	154	202	242
Sodium Hypochlorite[2]	Halogenated Inorganic Chemical	8	UN1791	III	Corrosive	154	203	241
Sodium Hydroxide Solid	Caustic Solids	8	UN1823	II	Corrosive	154	212	240
Sodium Hydroxice Solution	Caustic Liquids	8	UN1824	II	Corrosive	154	202	242
Hydrazine[2]	Oxidizers	8	UN2030	II	Corrosive, Poison	None	202	243
Ammonium Hydroxide	Ammonia Solutions	8	UN2672	III	Corrosive	154	203	241
1, 1, 1-Trichloroethane	Halogenated Hydrocarbon	6.1	UN2831	III	Keep Away from Food	153	203	241
1, 1, 2-Trichloro-1, 2, 2-trifluoroethane (Freon)	Liquid Refigerants	6.1	NA1993	III	Keep Away from Food	174	174	None
Combustible Liquid (Oil)[1]	Waste Oil / Mixed Oil	-	NA1993	III	None	150	203	241
Asbestos	Asbestos	9	UN2590	III	Class 9	155	216	240
Combustible Solid	Oil / Absorbent Rags	4.1	UN1325	II or III	Flammable Solid	151	212/213	240
Corrosive Solid[2]	Acid / Caustic Clean-ups	8	UN1759	I II III	COrrosive	None 154 154	211 212 213	242 240 240
Corrosive Liquid[2]	Acid / Caustic Clean-ups	8	UN1760	I II III	Corrosive	None 154 154	201 202 203	243 242 241
Flammable Solid	Paint Sludge	4.1	UN1325	II III	Flammable Solid	151 151	212 213	240 240
Sandblast Grit	Inorganic Solid Waste	6.1	N/A	III	Keep Away from Food	151	213	240
Synthetic Oil	Waste Oil / Mixed Oil	6.1	N/A	III	Keep Away from Food	151	213	240
Ethylene Glycol	Glycol Aqueous Solutions	6.1	UN2369	III	Keep Away from Food	153	203	241
Steam Generator Sludge	Inorganic Solid Waste	6.1	N/A	III	Keep Away from Food	151	213	240
Oil/Trichloroethane	Halogenated Hydrocarbon	6.1	UN2831	III	Keep Away from Food	153	203	241

Notes: 1 Source: 49 CFR Part 172, 173, 178, 179.
2 Refer to the specific 49 CFR Parts 173, * * * for DOT packaging authorization.

Section 5.0

PROCEDURES TO PREVENT HAZARDS

5.0 PROCEDURES TO PREVENT HAZARDS

5.1 Security

As discussed in Section 2.1.3, access control for the San Onofre Nuclear Generating Station is provided by security fencing and guarded or locked access gates around all "vital" areas/equipment. Security at the San Onofre Nuclear Generating Station is maintained in accordance with 10 CFR Chapter 1, NRC requirements.

An 8' chain-link fence encloses the HazMat Area - SYF. There are three access gates to the hazardous waste storage area which are double-locked when not in use. The gates are accessible only to the Hazardous Materials Group and the Health Physics Group. To access the hazardous waste storage area, both groups must unlock their portion of the double-lock. The MPHF hazardous waste storage areas are in an enclosed building with a key card access.

Warning signs are strategically posted on the perimeter fence of the hazardous waste storage areas to warn trespassers that the area contains hazardous waste. The signs are clearly legible from a distance of 25 feet. Each warning sign is 18"W x 12"H. The lettering on the signs is 0.75" to 1.25" high. The signs clearly state, in English and Spanish, "Caution - Hazardous Waste Storage Area - Unauthorized Persons Keep Out" and "Cuidado - Zona De Residuos Peligrosos - Probibida La Entrada a Personas No Autorizadas".

In addition, mixed waste warning signs are posted in the area, "Mixed Waste Storage Area, Authorized Personnel Only, Contact EP at 86829 and HP at 86176 Prior to Entry", "Caution Radioactive Materials Area Rep Required, Notify Health Physics at 86695 Prior to Entry", and "Warning, This Area Contains Radionuclides Known to the State of California to Cause Cancer, Birth Defects, and/or Other Reproductive Harm, California Health and Safety Code 25249.6".

5.2 General Inspection Requirements

All hazardous waste storage unit areas are inspected weekly (and daily if accessed) for the following:

- Visible signs of leakage and areas of potential leakage.
- Signs of deteriorating equipment.
- Berm/dike integrity.
- Condition and dates of containers stored at the hazardous waste areas.
- Any other unusual conditions.

The equipment and areas to be inspected in the hazardous waste areas as well as inspection procedures and frequencies are performed in accordance with SONGS Environmental Procedure S0123-IX-2.206, Hazardous Material/Waste/Mixed Waste Inspections. Attachment 5-1 includes a Storage Area Inspection Checklist and sample inspection forms.

5.3 Inspection Procedures

If any equipment needs repair or maintenance, a trouble call, action request and/or maintenance order will be written or the equipment will be repaired in the field by a qualified individual trained in repairing such equipment. If any containers are not in good condition, it will be placed in recovery, overpack, or salvage drums and/or have its contents transferred to another container. All repairs performed will be recorded in the inspection procedure.

Responsibilities of the inspector include filling out the appropriate inspection forms as part of an effort to avoid the release of hazardous materials/waste to the environment or any problem that could lead to a threat to human health. This form includes any corrective action that has been taken or problems that have been followed up on.

Procedures for a permit modification (22 CCR 66270.42 and as further defined in Appendix I) will be followed if changes are made to the content or frequency of items (or criteria) being inspected. Most inspection logs are on a one or two page sheet.

Other inspection checklists for safety, fire protection, and personal protective equipment are performed in accordance with the schedules described above. However, these checklists can be quite lengthy since there may be hundreds of these pieces of equipment throughout the plant. Consequently, they are referenced here and are available for inspection, but not included herein.

. The Environmental Specialist or designee reviews completed inspection forms.

Copies of the inspection forms are retained in the Environmental Protection Office of the facility for a minimum of three years. Information such as date and time of inspection, name of inspector, observations made, dates and nature of any repairs or remedies is included in the above mentioned document. Inspection forms are transmitted by the Environmental Protection Office Clerk to the Corporate Documentation Management (CDM) Office of the San Onofre Nuclear Generating Station for retention.

5.4 Preparedness and Prevention Requirements

5.4.1 Waste Handling Equipment

The waste handling equipment associated with the mixed waste storage areas are described in this section. In general, the equipment is necessary to move containers, typically 55-gallon drums, on pallets. Any spilled liquids are absorbed (small quantities) or pumped from the recessed area and floor sump into drums. Equipment used for transfer of hazardous waste is decontaminated after use. The pumps and associated hoses are kept at the hazardous waste storage area when not in use. Procedures requiring personal protective equipment, such as face shields, gloves, goggles, and disposable coveralls, are required during waste transfer.

Attachment 5-2 identifies all waste handling equipment utilized in the hazardous waste storage areas and the associated safety features of each piece of equipment.

5.4.2 Equipment for Unloading and Handling Hazardous Waste Containers

SONGS utilizes manual and motorized fork lifts for handling of hazardous waste

containers. The containers are stored on storage pallets to facilitate leak detection and transport. The hazardous waste storage unit is provided with a ramp to allow access. Other equipment that may be used to unload hazardous wastes from trucks includes:

- Pumps
- Hoses
- Ramps
- Portable, lightweight slings
- Drum, non-sparking, rollers and kickstands
- Drum grab mounts for forklifts

Trucks containing bulk wastes are unloaded by pumping the liquid contents through hoses into the designated storage containers. Forklifts are used to unload and handle containers and miscellaneous material at the hazardous waste storage areas. Ramps are provided for forklift access into the containment areas. As shown in Attachment 5-2, the forklifts are equipped with roll-over protection devices and seat belts, if so equipped.

5.4.3 Safety and Emergency Equipment

SONGS has safety equipment located throughout the facility. This equipment is for general plant emergencies as well as emergencies that may occur at the Mixed Waste Storage Areas.

General plant safely equipment includes:

- First aid supplies
- Barricade tape, warning signs, other physical barriers
- Safety showers/eyewash stations
- Personal protective equipment (including respirators, hard hats, face shields, goggles, hearing protection, coveralls, gloves, as needed)
- Stretchers, blankets, ropes
- Flashlights, radios, and batteries
- Fire extinguishers
- Hand tools, shovels, etc.
- Diking material and absorbent
- Recovery drums for collecting spilled materials or holding a leaking drum
- Neutralizing agents

Safety information is also provided by Material Safety Data Sheets (MSDS), or equivalent, for hazardous materials and is available to all hazardous waste workers. SONGS has developed an industrial safety training program for all employees that includes instruction on the use of Material Safety Data Sheets.

Detailed plot plans which identify locations of emergency response equipment such as telephones, fire extinguishers, eyewash stations, spill equipment, personal protective equipment, and fire hydrants are included in the Hazardous Materials Business Plan. The following safety and emergency equipment are available to hazardous waste workers:

Fire Extinguishing System:	The hazardous waste storage areas are equipped with fire extinguishers located at strategic positions throughout the hazardous waste storage areas.
Spill Control Equipment:	The hazardous waste storage areas have been designed to contain spills. In the event of a spill, the spilled material will drain to a sump(s). Any collected liquid can then be recovered and placed in another 55 gal drum. Bags of absorbent are available for use in any release.
Emergency Communication Equipment	The facility is equipped with the following communication capabilities: Telephone systems, UHF and VHF radio, and public address system dedicated specialty telecommunications systems for communication between the site, the (AND) Emergency Operations Facility. At the hazardous waste storage areas, two way radios and/or telephones are used to communicate between personnel working in the areas and other employees located in the facility.
Alarm Systems	The facility has an internal siren which can be used to notify employees of any emergency.
Decontamination Equipment	The facility is equipped to respond to spills and to decontaminate the hazardous waste storage areas. See Section 8, Management Practices, for a complete list of equipment. Spill cleanup equipment can be washed with water and detergent at the storage facility areas. The fluids will then drain to the collection sump. The sump will then be emptied.
Emergency Equipment Description	Personal protective equipment is available for each person who needs to work in the hazardous waste storage areas. Examples of PPE that is available to protect employees from accidental spills and releases include respirators, goggles, rubber boots, coveralls, gloves and hardhat. Specific spill equipment available consists of neutralizing solutions, spill response kits, etc. located in the hazardous materials emergency response vehicle.
Adequate Water Volume and Pressure To Operate Equipment	The facilities have adequate water volumes and pressure to operate equipment in the event of an emergency. The site has specific overhead water sprays in the event of a fire in the hazardous waste storage areas.

5.4.4 Testing and Maintenance Procedures

A program for the routine inspection and testing of safety and emergency equipment has been developed to ensure such equipment is available to perform its intended function. These procedures are maintained in the SONGS Environmental Procedure S0123-IX-2.206, Hazardous Material/Waste/Mixed Waste Inspections and include:

- Inspection of spill equipment cabinet seal integrity, and inventory of spill response equipment will be taken quarterly and after use.
- Testing of on-site and off-site radio communication equipment.
- Testing of plant emergency siren and emergency signals.
- Inspection of emergency shower and eye wash stations.
- All firefighting systems are tested, flushed if applicable, and inspected regularly:
- Respirators are tested and cleaned routinely and after each use.
- On a quarterly basis, emergency kits are inventoried and inspected to make sure that the equipment is available when needed. Any deficiencies are quickly corrected and the equipment is placed into a state of readiness.

5.4.5 Access To Communications Devices Or Alarms

Communications devices or alarms are strategically located in and around the hazardous waste storage areas. All personnel are trained in the use of the communication devices. Drums will not be placed in a manner that will preclude access to a communication device or alarm.

5.4.6 Required Aisle Space

The site will place drums for storage in rows no more than two drums high. All drums will be located on wooden or plastic pallets to minimize the possibility of corrosion occurring from adjacent drum leaks or spills. The drums will be placed in such a manner that unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment will not occur anywhere in the hazardous waste storage areas.

5.4.7 Lighting

Operations within the hazardous waste storage areas should not occur during night operations. However, in the event of an emergency, portable lighting is available to allow operations to take place, if normal lighting is inadequate.

5.5 General Hazard Prevention

5.5.1 Loading Hazards

The possible loading and unloading hazards associated with the hazardous waste storage areas are that drums might topple over, fall off the delivery truck, or be turned over by the vehicle when leaving. To minimize the occurrence of such events, no drums may be left at the unloading zone without the permission of the Environmental Protection Group (EPG). All drums are to be placed squarely on pallets to minimize the possibility of tipping or turning over. All drums placed on a vehicle for transportation on-site or off-site must be securely restrained prior to allowing a vehicle to depart.

5.5.2 Runoff and Flooding

The hazardous waste storage areas are surrounded by a berm and/or drainage system to prevent runoff and flooding. See the site design Section 4.

5.5.3 Contamination of Water Supplies

All drums are stored on a containment pad which drains to a sump(s). Any liquid accumulated in the sump(s) are removed. There are no water wells located in the vicinity of the plant.

5.5.4 Equipment Failures and Power Outages

The hazardous waste storage areas are for the management of drums only. Therefore, the potential for equipment failures and power outages to have a material impact on the operations is minimal. Should a power outage occur operations can cease until power is restored, or backup emergency power for lighting and/or other needs can be obtained.

5.5.5 Personnel Protection

Personnel have been trained in the use of personnel protective equipment. They have yearly training exercises in which the proper use of personal protective equipment is discussed.

5.5.6 Minimize Releases to the Atmosphere

All drums located in the hazardous waste storage areas are to be closed with bungs in place or a ring closure device. The drums are opened only when adding or withdrawing material.

5.6 Hazards Associated With Ignitable, Reactive and Incompatible Wastes

During storage operations, all drums are identified as to their hazardous properties. All ignitable wastes are stored separately from reactive and/or incompatible wastes.

- No smoking signs have been conspicuously placed in the storage areas for ignitable wastes. The area will be protected from sources of ignition including but not limited to: open flames, smoking, cutting and welding, frictional heat, sparks, spontaneous ignition and radiant heat.
- Because of the fact that drums are not allowed to be stored in the storage areas without proper identification, inadvertent mixing will not occur. Furthermore, mixing of drums will not be allowed unless approved by the Supervisor, Environmental Services, or designee.
- Inadvertent mixing of incompatible wastes will not occur at the facility. There have not been any fires in the area.
- The hazardous waste storage areas are constructed such that no point within the perimeter is closer than 50 feet from the facility property line.
- There are no tank systems.

5.7 Compliance with the Uniform Fire Code

Facility is in compliance with the Uniform Fire Code.

5.7.1 Flammable Liquids are Stored under a Roof and/or in a Fire Cabinet

- Drums containing flammable liquids can only be double stacked.
- An overhead sprinkler system has been installed in the areas for the storage of flammable liquids.
- The secondary containment areas have an adequate capacity to collect and hold a 20-minute discharge from the sprinkler system.
- There are no water-reactive wastes stored in the areas.

5.7.2 Incompatible Wastes

- Non-combustible partitions have been constructed to separate incompatible wastes. The partitions extend at least 5 inches above and in front of the sides of the containers. See site drawing in Section 4.
- Storage cabinets can be used in the hazardous waste storage areas.
- Incompatible wastes are stored in areas which exceed 20 feet from each other.
- Fire extinguishers are located to minimize the travel distance in the hazardous waste storage areas.
- The hazardous waste storage areas are in full compliance with the Uniform Fire Code requirements. In addition, the facility has done an extensive Fire Hazards Analysis in which the hazardous waste storage areas were scrutinized to assure that all steps were taken to prevent potential fires.

Attachment 5-1

STORAGE AREA INSPECTION CHECKLIST
AND
SAMPLE INSPECTION FORMS

STORAGE AREA INSPECTION CHECKLIST

ITEM		PROCEDURES	FREQUENCY[1]
WASTE HANDLING EQUIPMENT	Forklifts	Good condition (body, paint, mirrors, suspension, tires, safety inspection, etc)	Weekly
	Ramps	Good condition	Weekly
	Pumps	Good condition (corrosion, leaks, joints condition, etc)	Weekly
	Trucks	Good condition (body paint, mirrors, suspension, tires, safety inspection, etc). An inventory of the safety equipment in hazmat emergency response vehicle is conducted on a quarterly basis.	Weekly[2]
	Overpacks	Good condition	Weekly
	Sumps	Good condition, any liquid must be removed, upon discovery	Weekly
	Lighting	Good condition (no light bulbs missing, electric wires condition, etc)	Weekly
SAFETY EQUIPMENT	Eyewash	Location (e.g. pathway to the station unblocked) and condition (gauge needle indicating positive reading, operability)	Weekly
	Showers	Location (e.g. pathway to the station unblocked) and condition (no leaks, operability, etc)	Weekly
	Fire Systems	Good condition (no leaks, visible corrosion, expiration date)	Weekly
	No Smoking Signs	Location (conspicuously displayed, etc.), good condition (visible corrosion, any damage, etc)	Weekly
PROCESS EQUIPMENT	Containers	Location and condition (bulges, large dents, holes, leaks, severe rust, etc), labeling (labeling information is included in Attachment 8-2, Section 6.2.4), non ignitable or reactive waste is allowed in the area, storage condition (fastened, overflowing or open, etc)	Weekly
MONITORING	Surrounding		

ITEM		PROCEDURES	FREQUENCY[1]
DATA	Area		Weekly
GENERAL AREA	Containment Pad	Corrosion, erosion, or signs of release of hazardous waste in the vicinity of the tank and containers as well as loading and unloading area.	Weekly
	Miscellaneous	Area should be free of trash, rags or debris as well ad drips or spills (visible liquids). Smoke, steam, vapors, heat and other indicators of potential hazards.	Weekly

NOTES:

1 Equipment is inspected on a weekly basis unless activities occur in the hazardous waste storage areas, in which case all items will be inspected daily.

2 Specific inspection schedule details for hazardous materials (HAZMAT) emergency response vehicle are included in SONGS Environmental Procedure SO123-IX-2.205, Hazardous Material Vehicles Inspection/Inventory.

ACCUMULATION/STORAGE AREAS INSPECTION FORM

FREQUENCY: Daily or Weekly

Indicate PASS (P) or FAIL (F) for each criteria in the appropriate box. Indicate the date and time each location is inspected in the D/T column. Record reason for any FAIL in the COMMENTS section and any actions taken in the CORRECTIVE ACTIONS section. An N/A (not applicable) may only be used with approval from the Supervisor, Environmental Services or designee.

LOCATION	6.2.1	6.2.2	6.2.3	6.2.4	6.2.5	6.2.6	6.2.7	6.2.8	D/T	PERFORMED BY: INSPECTOR
North Industrial Area Accumulation								N/A		

COMMENTS/CORRECTIVE ACTIONS: _____

_____

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_____

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_____

_____

REVIEWED BY: _____ DATE _____

APPROVED BY: _____ DATE _____
Supervisor, Environmental Services or Designee

ACCUMULATION/STORAGE AREAS INSPECTION FORM (Continued)

FREQUENCY: Daily or Weekly

Indicate PASS (P) or FAIL (F) for each criteria in the appropriate box. Indicate the date and time each location is inspected in the D/T column. Record reason for any FAIL in the COMMENTS section and any actions taken in the CORRECTIVE ACTIONS section. An N/A (not applicable) may only be used with approval from the Supervisor, Environmental Services or designee.

LOCATION	6.2.1	6.2.2	6.2.3	6.2.4	6.2.5	6.2.6	6.2.7	6.2.8	D/T	PERFORMED BY: INSPECTOR
PA Radwaste Waste Accumulation Area (Truck Bay)										

TIERED PERMIT UNITS INSPECTION

NOTE: On tiered permit units out of service, the inspection will be marked SAT with a note indicating status.

CE UNIT	DESCRIPTION	SAT	UNSAT	D/T	PERFORMED BY: INSPECTOR
U2-5	Reactor Lab-Units 2/3				

COMMENTS/CORRECTIVE ACTIONS:_____

REVIEWED BY: _____ DATE _____

APPROVED BY: _____ DATE _____
Supervisor, Environmental Services or Designee

ACCUMULATION/STORAGE AREAS INSPECTION FORM (Continued)

FREQUENCY: Daily or Weekly

Indicate PASS (P) or FAIL (F) for each criteria in the appropriate box. Indicate the date and time each location is inspected in the D/T column. Record reason for any FAIL in the COMMENTS section and any actions taken in the CORRECTIVE ACTIONS section. An N/A (not applicable) may only be used with approval from the Supervisor, Environmental Services or designee.

LOCATION	6.2.1	6.2.2	6.2.3	6.2.4	6.2.5	6.2.6	6.2.7	6.2.8	D/T	PERFORMED BY: INSPECTOR
B-66 Maintenance Shop							N/A	N/A		
PA Waste Accumulation Area										
K-10 Shop (South Services Building)							N/A	N/A		
Units 2/3 Maintenance Lube Oil Area										
South B-43							N/A	N/A		

TIERED PERMIT UNITS INSPECTION

NOTE: On tiered permit units out of service, the inspection will be marked SAT with a note indicating status.

CE UNIT	DESCRIPTION	SAT	UNSAT	D/T	PERFORMED BY: INSPECTOR
U2-6	Turbine Lab-Units 2/3				

COMMENTS/CORRECTIVE ACTIONS: _____

_____

_____

_____

_____

REVIEWED BY: _____ DATE _____

APPROVED BY: _____ DATE _____
Supervisor, Environmental Services or Designee

ACCUMULATION/STORAGE AREAS INSPECTION FORM (Continued)

FREQUENCY: Daily or Weekly

Indicate PASS (P) or FAIL (F) for each criteria in the appropriate box. Indicate the date and time each location is inspected in the D/T column. Record reason for any FAIL in the COMMENTS section and any actions taken in the CORRECTIVE ACTIONS section. An N/A (not applicable) may only be used with approval from the Supervisor, Environmental Services or designee.

LOCATION	6.2.1	6.2.2	6.2.3	6.2.4	6.2.5	6.2.6	6.2.7	6.2.8	D/T	PERFORMED BY: INSPECTOR
AWS Building, CDM							N/A	N/A		
Switchyard										
South Yard Facility Areas							N/A	N/A		
SYF/Batch Plant Haz Waste Pad/West										

TIERED PERMIT UNITS INSPECTION

NOTE: On tiered permit units out of service, the inspection will be marked SAT with a note indicating status.

CE UNIT	DESCRIPTION	SAT	UNSAT	D/T	PERFORMED BY: INSPECTOR
OCA-1	Batch Plant Drum Crusher				

COMMENTS/CORRECTIVE ACTIONS: _____

_____

_____

_____

_____

_____

REVIEWED BY: _____ DATE _____

APPROVED BY: _____ DATE _____
Supervisor, Environmental Services or Designee

ACCUMULATION/STORAGE AREAS INSPECTION FORM (Continued)

FREQUENCY: Daily or Weekly

Indicate PASS (P) or FAIL (F) for each criteria in the appropriate box. Indicate the date and time each location is inspected in the D/T column. Record reason for any FAIL in the COMMENTS section and any actions taken in the CORRECTIVE ACTIONS section. An N/A (not applicable) may only be used with approval from the Supervisor, Environmental Services or designee.

LOCATION	6.2.1	6.2.2	6.2.3	6.2.4	6.2.5	6.2.6	6.2.7	6.2.8	D/T	PERFORMED BY: INSPECTOR
SYF/Batch Plant Mixed Waste Storage Area										
Multipurpose Handling Facility (LSAW)										
Multipurpose Handling Facility (HSAW)										
South Yard Facility (Mixed Waste Room and Machine Shop)										

TIERED PERMIT UNITS INSPECTION

NOTE: On tiered permit units out of service, the inspection will be marked SAT with a note indicating status.

CA UNIT	DESCRIPTION	SAT	UNSAT	D/T	PERFORMED BY: INSPECTOR
OCA-6	Oil Process-MWU				

COMMENTS/CORRECTIVE ACTIONS: _____

_____

_____

_____

REVIEWED BY: _____ DATE _____

APPROVED BY: _____ DATE _____
Supervisor, Environmental Services or Designee

ACCUMULATION/STORAGE AREAS INSPECTION FORM (Continued)

FREQUENCY: Daily or Weekly

Indicate PASS (P) or FAIL (F) for each criteria in the appropriate box. Indicate the date and time each location is inspected in the D/T column. Record reason for any FAIL in COMMENTS section and any actions taken in the CORRECTIVE ACTIONS section. An N/A (not applicable) may only be used with approval from the Supervisor, Environmental Services or designee.

LOCATION	6.2.1	6.2.2	6.2.3	6.2.4	6.2.5	6.2.6	6.2.7	6.2.8	D/T	PERFORMED BY: INSPECTOR
Mesa Haz Waste Pad (W-40)										
Staryard							N/A	N/A		
G-31 Radiography								N/A		
G-44 Painters							N/A			
G-40 Shops							N/A	N/A		
G-47 HVAC							N/A	N/A		
G-49							N/A	N/A		
G-50 Automotive Services							N/A			
W-51 Chemical Warehouse					N/A		N/A			
CGI Test Lab							N/A	N/A		
Twin Peaks W-43							N/A	N/A		

TIERED PERMIT UNITS INSPECTION

NOTE: On tiered permit units out of service, the inspection will be marked SAT with a note indicating status.

CE UNIT	DESCRIPTION	SAT	UNSAT	D/T	PERFORMED BY: INSPECTOR
M1	Mesa Drum Crusher				
M2	Mesa Filter Crusher				
M3	Filter Crusher, Garage				

COMMENTS/CORRECTIVE ACTIONS: _____

_____

_____

_____

REVIEWED BY: _____ DATE _____

APPROVED BY: _____ DATE _____
Supervisor, Environmental Services or Designee

ACCUMULATION/STORAGE AREAS INSPECTION FORM (Continued)

CONTINUATION SHEET

COMMENTS/CORRECTIVE ACTIONS:_____

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REVIEWED BY: _____ DATE _____

APPROVED BY: _____ DATE _____
Supervisor, Environmental Services or Designee

OILY WASTE TANK(S), SEPARATOR(S), AND/OR SUMP(S) INSPECTION FORM

FREQUENCY: WEEKLY

LOCATION: UNITS 2/3

PURPOSE: To determine content level of:

(A) the waste oil collection sump located by the North East corner of B68

(B) the waste oil tank, and Flocculator located on the west road by Unit 3 Intake

INSPECTION:

(A) (1) Determine approximate level of oil (by using the depth vs. volume scale) in the waste oil collection sump. Location of the scale is inside the sump. Maximum waste oil capacity for the sump is 10,500 gallons.

(2) Ensure an oil boom or pad is in place within the effluent section. (If Separator is not in service, oil boom is not required.)

Level of oil _____ gal. _____ ft.

Boom in place: SAT _____ UNSAT _____ Boom Tag # _____

Date _____ Time _____ of Inspection

Corrective Action: If the level of oil is five feet or greater, and/or an oil boom or pad is not satisfactory (e.g., falling apart, missing or anything that would prevent it from performing its primary function), then notify the Supervisor, Environmental Services or designee. If UNSAT, pump the sump as soon as possible, and/or replace boom and write NN.

(B) (1) Lift cover and count the number of ladder rungs showing above the liquid's surface. Use fractions to determine levels between rungs (i.e., 2-1/2 rungs or 3 rungs showing). Maximum waste oil capacity for the tank is 4000 gallons.

(2) Ensure an oil boom or pad is in place within the effluent section of Flocculator and no foreign material in effluent channel.

Number of Rungs Showing: _____

Boom in place: SAT _____ UNSAT _____ Boom Tag # _____

Date _____ Time _____ of Inspection

Corrective Action: If one rung or less is showing, the tank is filled 80% or greater, and/or an oil boom or pad is not satisfactory (e.g., falling apart, missing or anything that would prevent it from performing its primary function), then notify the Supervisor, Environmental Services or designee. If UNSAT, pump the tank as soon as possible and/or replace boom, remove foreign material and write NN.

INSPECTION PERFORMED BY: _____ DATE _____

REVIEWED BY: _____ DATE _____

APPROVED BY: _____ DATE _____
Supervisor, Environmental Services or Designee

OILY WASTE TANK(S), SEPARATOR(S), AND/OR SUMP(S) INSPECTION FORM
(Continued)

FREQUENCY: WEEKLY

LOCATION: G50 MESA North side of wall

PURPOSE: To determine the presence and depth of oil in various oil tanks and sumps on site.

INSPECTION:

LOCATION/OIL CAPACITY	OIL PRESENT ?	REQUIRED ACTION *	DATE - TIME	PERFORMED BY: INSPECTOR
G-50 Oil Separator/ 300 gallons	YES / NO		-	

* Notify the Supervisor, Environmental Services or designee of any corrective action taken.

Corrective Action: (SEPARATORS) Visually monitor both sides; if oil is present in the effluent side, then pump out separator and sludge. If rainbows of oil are present in the effluent side, then notify the Supervisor, Environmental Services or designee that sampling is required. Remove oil and sludge from the influent side when directed by Supervisor Environmental Services or designee.

COMMENTS: _____

_____

_____

_____

_____

REVIEWED BY: _____ DATE _____

APPROVED BY: _____ DATE _____
Supervisor, Environmental Services or Designee

MESA AND PLANT MEDICAL OFFICES BIOHAZARD INSPECTION FORM

FREQUENCY: WEEKLY

LOCATION(s): E47 MESA Medical / D1P Plant AWS Medical

PURPOSE: To verify the presence of biohazard labels, symbols, and generators name and address.

INSPECTION:

LOCATION/OIL CAPACITY	LABELS AND SYMBOLS PRESENT ON SHARPS CONTAINERS AND RED BAGS?	GENERATORS NAME & ADDRESS ON SHARPS CONTAINERS, RED BAGS, AND COLLECTION CONTAINERS *	GENERAL INSPECTION: SEALED OR LEAKING? P / F	DATE - TIME	PERFORMED BY: INSPECTOR
→ E47					
D1P					

* Notify the Supervisor, Environmental Services or designee of any corrective action taken.

Corrective Action: If labels, symbols, or generator name and address are not on sharps containers, red bags, or trash receptacles, then label accordingly and notify supervision.

COMMENTS: _____

_____

_____

_____

_____

REVIEWED BY: _____ DATE _____

APPROVED BY: _____ DATE _____
Supervisor, Environmental Services or Designee

ACID/CAUSTIC SUMP(S) INSPECTION FORM

FREQUENCY: WEEKLY

LOCATION: UNITS 2/3 9' LEVEL WEST ROAD

PURPOSE: To determine approximate depth and pH level of liquid in the acid/caustic sumps.

INSPECTION: Visually inspect sump(s) for liquid level and ensure pH level is greater than two and less than 12.5. (If no liquid, no PH is required.)

Corrective Action: If depth of liquid exceeds two inches and/or if pH level is less than 2 or greater than 12.5, then notify the Supervisor Environmental Services or designee.

U-2 Acid Sump	**U-2 Caustic Sump**	**U-3 Acid Sump**	**U-3 Caustic Sump**
Depth: _____ pH: _____ Date: _____ Time: _____	Depth: _____ pH: _____ Date: _____ Time: _____	Depth: _____ pH: _____ Date: _____ Time: _____	Depth: _____ pH: _____ Date: _____ Time: _____

COMMENTS: _____

_____

_____

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_____

INSPECTION PERFORMED BY: _____ DATE _____

REVIEWED BY: _____ DATE _____

APPROVED BY: _____ DATE _____
Supervisor, Environmental Services or Designee

TRANSFORMER/BERM INSPECTION FORM

LOCATION	FREQUENCY	DATE	TIME	SAT/UNSAT
Reservoir Transformers	Weekly			❑ SAT ❑ UNSAT
Microwave Transformer	Weekly			❑ SAT ❑ UNSAT
South Yard Facility Transformers	Weekly			❑ SAT ❑ UNSAT
MPHF Transformer	Weekly			❑ SAT ❑ UNSAT
K-50 Transformer	Weekly			❑ SAT ❑ UNSAT
N–54 Transformer	Weekly			❑ SAT ❑ UNSAT
AWS Roof Top (south side)	Weekly			❑ SAT ❑ UNSAT
Reservoir Auxiliary Transformer Spare (RATS) North of G-20	Weekly			❑ SAT ❑ UNSAT
Transformers at Mesa (by HVAC Shop)	Weekly			❑ SAT ❑ UNSAT
EOF Diesel Generator Berm	Weekly			❑ SAT ❑ UNSAT
G50 Diesel Generator Berm	Weekly			❑ SAT ❑ UNSAT
Diesel Tanker Berms	Weekly			❑ SAT ❑ UNSAT

Purpose: To determine the presence of liquid within the bermed areas.

Inspection: Visually inspect the liquid for oil content.

Corrective Action: If no contents found in the berm, mark "SAT." If contents are rainwater, note in comments section the depth and that there is no presence of oil. Drain the contents and mark "SAT." If oil is present, mark "UNSAT" and contact Supervisor, Environmental Services.

COMMENTS/CORRECTIVE ACTIONS:_____

_____

_____

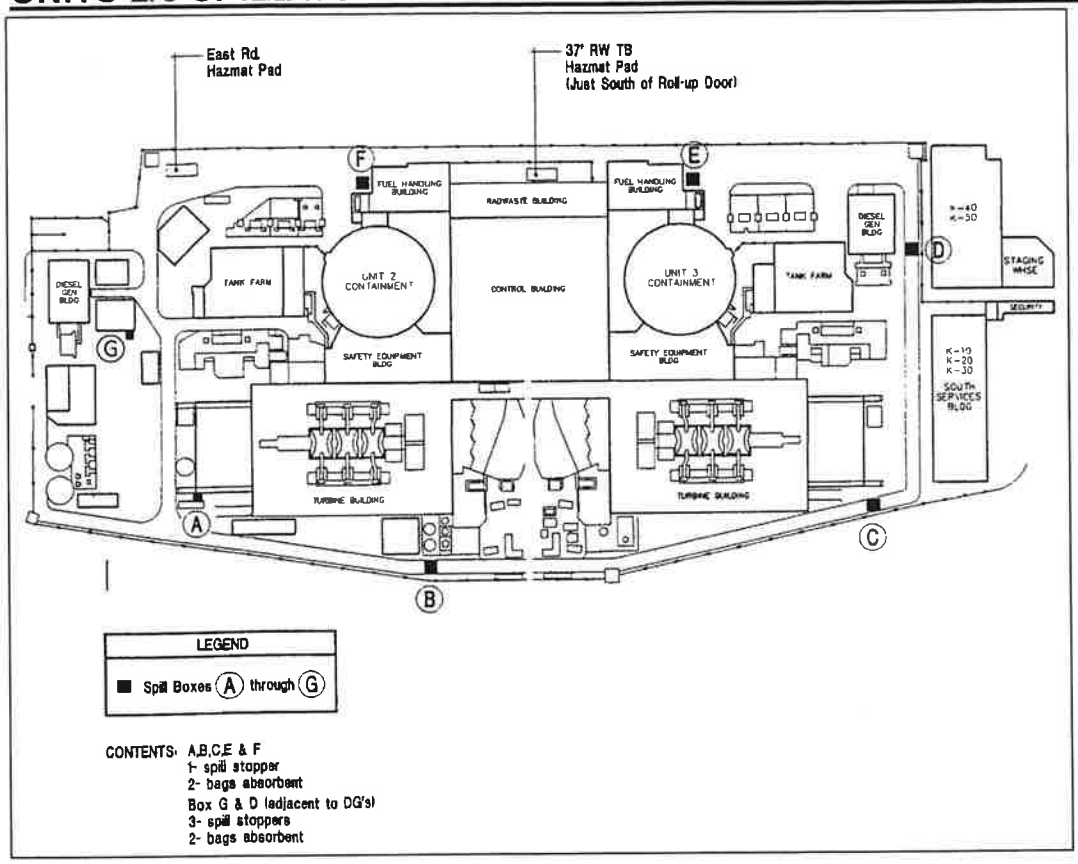
_____

INSPECTION PERFORMED BY: _____ DATE _____

REVIEWED BY: _____ DATE _____

APPROVED BY: _____ DATE _____
Supervisor, Environmental Services or Designee

UNITS 2/3 SPILL BOXES LOCATIONS AND INSPECTION FORM



CONTENTS: A,B,C,E & F
1- spill stopper
2- bags absorbent
Box G & D (adjacent to DG's)
3- spill stoppers
2- bags absorbent

SPILL BOX	LOCATION	SPILL STOPPER			ABSORBENT BAGS		DATE/TIME	PERFORMED BY: INSPECTOR
		IN USE (✓)	SAT	UNSAT	SAT	UNSAT		
A	N.W. Crane Bay Area							
B	Lube Area							
C	S. Seawall Area							
D	U-3 DG Bldg.							
E	U-3 Fuel Handling Bldg.							
F	U-2 Fuel Handling Bldg.							
G	U-2 Tank Farm							

NOTE: Spill boxes may be approximately 100 feet from locations shown on map above.

FREQUENCY: Weekly

Corrective Actions/Comments: _____

_____

_____

REVIEWED BY: _____ DATE _____

APPROVED BY: _____ DATE _____

Supervisor, Environmental Services or Designee

DEVELOPMENTAL RESOURCES

Procedures

SO123-VII-20.11, Access Control Program

SO123-IX-2.201, Hazardous Materials/Waste/Mixed Waste Storage Areas

SO123-IX-2.208, Hazardous Waste and Emergency Response Training Program

SO123-XVI-15, Chemical Handling and Storage Guidelines

6.2 Acceptance Criteria For Accumulation/Storage Areas

NOTE

Use Attachment 3.

6.2.1 General Area Inspection

.1 Ensure phone(s) in designated storage areas are in good working order.

.2 Ensure absorbent and Emergency Response equipment is present and in good working order in designated waste accumulation areas and storage areas.

.3 Ensure the general area around and on containers is free of trash, rags, and debris.

.4 Ensure the area is kept free of drips or spills (visible liquid).

.5 Ignitable or Reactive waste containers (see Definitions, Attachment 2) **SHALL** be located at least 50 feet inside the Owner Controlled Area.

NOTES

1) NO SMOKING signs are not necessary for RMA's, since smoking is forbidden in those areas.

2) Inspections and tests of the systems described in Steps 6.2.1.6 through 6.2.1.9 are performed by Environmental Protection. Additional inspections/tests are performed by groups other than Environmental Protection (References 2.2.1, 2.3.6 through 2.3.9).

.6 Verify fire suppression systems are in good condition (e.g., no leaks or visible corrosion).

.7 Eyewash stations **SHALL** be located at all storage pads and WAAs.

6.2.1.8 **INSPECT** eyewash stations weekly, if present.

.8.1 Verify eyewash stations:

- Appear to be in a good condition
- Check pressure gauge and proper pressure (e.g., ENCON unit should be within GREEN BAR area; HAWS unit is at 90 psi)
- A pathway to the eye wash station is unblocked

.8.2 On all permanent eyewash stations, verify operability of eyewash jets and face jets by depressing handle to ensure jets flow with *hands off* for 15 seconds.

.8.3 Use bucket, or cork-and-tube to verify operation of shower flow for five seconds.

.8.4 If any deficiencies exist, then identify location of eyewash.

.9 **Corrective Action**: If eyewash has deficiencies and/or is not operational, then a Notification and/or order **SHALL** be written, a trouble call made, or replace with an operational unit.

6.2.2 Container Conditions

NOTE

Poor condition of containers may be indicated by bulges, large dents, holes, leaks, severe rust, or any other defects.

.1 Accumulation and storage containers **SHALL** be in good condition.

.2 **Corrective Action:** Containers in poor condition should be placed in recovery, overpack, or salvage drums and/or have their contents transferred to another container.

6.2.3 Container Management

NOTE

For bagged material used for accumulation, ensure no holes are present and ensure the bag top is taped securely closed.

.1 Only Department of Transportation (DOT)-approved containers **SHALL** be used for storage.

.1.1 Ensure the United Nations (UN) number is identified on the drum (Reference 2.4.4).

.2 Containers **SHALL** remain closed except when waste is being added or removed.

.2.1 Container **SHALL** be locked. This applies to the large roll-off box at the Mesa Hazardous Material pad only.

.2.2 Funnels without closure devices **SHALL** be removed and bungs secured.

.3 Containers **SHALL NOT** be opened, handled, or stored in a manner that may cause the container to rupture, leak, or spill.

.4 All accumulation drums being used for ignitable liquid wastes **SHALL** have a grounding strap and bonding strap readily available.

.5 If hazardous waste/mixed waste containers are located in an environment susceptible to flooding and standing water, then ensure the containers are elevated on pallets (or equivalent).

.6 Maintain adequate aisle space (3 feet or greater).

6.2.4 Container Labeling

NOTE

The preferred location for markings and labeling of hazardous waste containers is on the top one-third to one-half of the container side.

.1 If the top one-third to one-half of the container side is not appropriate/available due to container geometry or storage arrangement, then the markings/labels may be placed in a clearly visible location.

NOTE

All containers under five gallons **SHALL** be consolidated or lab packed into a larger container.

6.2.4.2 All waste containers for final disposal **SHALL** be marked or labeled, using a permanent pen, with the following:

.2.1 The words Hazardous Waste

.2.2 Generator name and address:

(For Mesa Side Waste Containers)
San Onofre Nuclear Generating Station/Mesa
P.O. Box 128, Pacific Coast Highway
14300 Mesa Road
San Clemente, CA. 92674

(For Plant Side Waste Containers)
San Onofre Nuclear Generating Station
P.O. Box 128, Pacific Coast Highway
5000 Pacific Coast Highway
San Clemente, CA. 92674

.2.3 Environmental Protection Agency ID:

(For Mesa Side Waste Containers)
CAD983629650

(For Plant Side Waste Containers)
CAD000630921

.2.4 A description of the contents

.2.5 The accumulation start date

.2.6 The storage start date, if being stored

.3 Mixed waste **SHALL** be labeled per SO123-VII-20.11.1 and SO123-VII-8.1.14.

.4 The appropriate DOT hazard label **SHALL** be added to each container prior to shipment off site per SO123-IX-2.202.

.5 Hazardous materials should have their original shipping and warning labels affixed and/or a Material Safety Data Sheet (MSDS) attached.

.5.1 If not, the container(s) and contents **SHALL** be evaluated for disposal as a hazardous waste.

.6 National Fire Protection Association (NFPA) labels may also be used in conjunction with hazardous waste or mixed waste labels to aide in drum identification.

6.2.5 Waste Accumulation and Accumulation/Storage Start Dates

.1 Satellite accumulation area wastes may be accumulated for up to one year from the accumulation start date (i.e., 270 days accumulation and 90 days storage).

.2 The quantity limitation at each satellite accumulation area is 55 gallons of each waste type or one quart of extremely hazardous waste (see Definitions, Attachment 2).

NOTE

NRC commitments in Restricted Areas require that waste is considered radioactively contaminated until proven otherwise.

.3 The storage start date is assigned within 72 hours (three days) of an accumulation container becoming full or when it is transferred from a satellite accumulation area to a Waste Accumulation Area.

.3.1 A drum within a waste accumulation area **SHALL** have the accumulation start date and the storage date written on the label.

.4 In Protected Areas/Industrial Areas, a waste container of 55 gallons or more, filled or having reached the 270-day accumulation limit, **SHALL** be moved to a Waste Accumulation Area for radioactive sampling and then to the appropriate storage area.

.4.1 Environmental personnel **SHALL** request HP to sample containers in a Waste Accumulation Area in a timely manner.

.5 In non-restricted areas, a 55-gallon container, filled or having reached the 270 day accumulation limit, **SHALL** be moved to a storage area and assigned a storage start date within three days.

NOTES

1) Batch Plant and Mesa storage areas may serve as storage and/or accumulation areas.

2) Some mixed waste stored at the South Yard Facility (SYF) Batch Plant Mixed Waste Storage Area may not be disposed of due to the radiological/hazardous properties associated with the waste and the lack of treatment (See Definitions, Attachment 2) facilities.

.6 Hazardous waste stored at the Batch Plant-West (non-radiological) and the Mesa Hazardous Materials Pad **SHALL** be disposed of in 90 days or less from the storage start date.

.6.1 **Corrective Action:** Immediately notify the Supervisor, Environmental Services or designee of any containers nearing the 90-day storage limit.

6.2.6 Compatibility

.1 Containers **SHALL** be constructed of materials that will not react with the waste to be stored, so the ability of the container to contain the waste is not impaired.

EXAMPLE: Do not store corrosives in metal containers.

.2 Hazardous wastes **SHALL NOT** be placed in an unwashed container that previously held an incompatible waste or material.

.3 Incompatible wastes **SHALL NOT** be mixed together (see SO123-XV-18).

.4 Incompatible wastes **SHALL** be stored in areas separated by dikes, berms, walls, or secondary containers to prevent the potential for adverse reactions.

6.2.7 Security

.1 Storage Area and Waste Accumulation Area walls and/or fences **SHALL** be in good repair with functioning gates and locks.

NOTE
Signage is not required at satellite accumulation areas.

.2 Storage Areas and Waste Accumulation Areas **SHALL** have appropriate signage posted at each entrance, and at any other locations that can be seen from any approach (see Attachment 1).

.3 Storage areas not in use do not require some signage to be posted. Supervisor, Environmental Services, or designee, SHALL be notified of signage is not present, or is not necessary.

6.2.8 Containment Systems

.1 Hazardous waste storage areas **SHALL** have a containment system free of cracks and gaps to contain leaks, spills, and accumulated precipitation per Reference 2.1.1.

.2 Inspect the sump to the following criteria:

.2.1 If any liquid exists, then note in comment section of Attachment 3 (i.e., rainwater or spill).

.2.2 During the rainy season (October 1 - May 31), any amount over two inches of rainwater **SHALL** be considered a failure.

6.2.8.2.3 Any spilled hazardous waste **SHALL** be considered a failure and **SHALL** be removed as soon as practical.

.2.4 During the dry season (June 1 - September 30), ANY liquid found **SHALL** be considered a failure.

.3 General Containment

.3.1 All temporary or permanent tanks and drums containing petroleum products (waste or material) equal to or greater than 55 gallons **SHALL** have secondary containment. (Temporary movement of drums from one area to another does not require secondary containment. (Reference 2.3.10)

.4 If found, remove any spilled or any leaked waste and accumulated precipitation from the sump in a timely manner to prevent overflow and to return the containment to its designed capacity.

.5 If used, remove any spilled or any leaked waste and accumulated precipitation from the spill containers in a timely manner to prevent overflow and to return the containment to its designed capacity.

6.3 **Review**

6.3.1 Completed inspection forms (Attachments 3 through 7) **SHALL** be reviewed by the Supervisor, Environmental Services or designee.

7.0 RECORDS

7.1 Copies of the inspection forms **SHALL** be retained in the Environmental Protection office for three years.

7.2 Original inspection forms (Attachments 3 through 7) **SHALL** be transmitted to CDM-SONGS for retention annually.

SECURITY SIGNS

For Hazardous Waste Storage Areas:

DANGER
HAZARDOUS WASTE AREA
UNAUTHORIZED PERSONNEL KEEP OUT
ZONA DE RESIDUOS PELIGROSOS
PROHIBIDA LA ENTRADA A PERSONAS NO

DANGER
FLAMMABLES
NO SMOKING

WARNING
THIS AREA CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, AND/OR OTHER REPRODUCTIVE HARM
CALIFORNIA HEALTH AND SAFETY CODE § 25249.6

EMERGENCY
EMERGENCY DIAL 86911 FIRE MEDICAL SECURITY

NOTICE
RESTRICTED AREA
AUTHORIZED PERSONNEL ONLY
PRIOR TO ENTRY CALL HAZMAT
IN CASE OF FIRE OR EMERGENCY CALL 86-911

EMERGENCY EYE WASH STATION

SECURITY SIGNS (Continued)

Additional signs for Mixed Waste Storage Area (Batch Plant)/Multi-Purpose Handling Facility (MPHF):

MIXED WASTE STORAGE AREA
AUTHORIZED PERSONNEL ONLY
CONTACT HAZMAT AND HP
BETWEEN
0700-1530 M-F PRIOR TO ENTRY

WARNING
THIS AREA CONTAINS RADIONUCLIDES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, AND/OR OTHER REPRODUCTIVE HARM
CALIFORNIA HEALTH AND SAFETY CODE § 25249.6

DEFINITIONS

Extremely Hazardous Waste - Any hazardous waste or mixture of hazardous wastes which, if human exposure should occur, may likely result in death, disabling personal injury or serious illness caused by the hazardous waste or mixture of hazardous wastes because of its quantity, concentration, or chemical characteristics.

Hazardous Waste - A waste, or combination of wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may either:

A. Cause, or significantly contribute to, an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness.

B. Pose a substantial present or potential hazard to human health or environment when improperly treated, stored, transported, or disposed of, or otherwise managed.

Ignitable Liquid - A liquid, other than an aqueous solution containing less than 24 percent alcohol by volume and has a flash point less than 60°C (140°F), per a Pensky-Martens Closed Cup Tester, using the test method specified in ASTM Standard D-93-79 or D-93-80, etc. (Reference 2.1.1)

Mixed Waste - Mixed waste is defined as a chemical/material having hazardous properties, established by designated criteria and is also radiologically contaminated (low level) with licensed radioactive material (US Code of Federal Regulations, Title 40, Protection of Environment).

Primary Storage Area - The holding of hazardous waste for a temporary period (90 days), at the end of which the hazardous waste is sent to an appropriate treatment storage and/or disposal facility. Mixed waste is stored until suitable treatment, storage, and disposal facilities are available.

Reactive Waste - A waste is considered reactive if it has any of the following properties:

- Normally unstable and readily undergoes violent change without detonating.
- Reacts violently with water.
- Forms potentially explosive mixtures with water.
- When mixed with water, it generates toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment.

DEFINITIONS (Continued)

Reactive Waste - Continued

- A cyanide or sulfide bearing waste which, when exposed to pH conditions between two and 12.5, can generate toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment.
- Capable of detonation or explosive reaction if subjected to a strong initiating source or if heated under confinement.
- Readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure.
- A forbidden explosive as defined in 49 CFR 173.51, or a Class A explosive as defined in 49 CFR 173.53 or a Class B explosive as defined in 49 CFR 173.88. (Reference 2.1.1)
- The EPA Hazardous Waste Number of D003.

Satellite Accumulation Area - An area where generators of hazardous waste accumulate their waste prior to moving it to a Waste Accumulation Area. Accumulated wastes located in the Protected Area must go to the appropriate Waste Accumulation Area for radiological sampling prior to being moved to a primary storage area.

Tier Permits - A five-tiered program for authorizing hazardous waste treatment and/or storage at businesses required to have state authorization to treat or store hazardous waste but do not require a hazardous waste facility permit under Federal law.

Treatment - Any process or method designed to change the character or composition of a hazardous waste.

Waste Accumulation Area - An area for accumulated wastes to be held while SONGS Health Physics samples for radiological contamination. Once Health Physics have given sample results to Environmental Protection personnel, hazardous waste/mixed waste containers may be moved to appropriate primary storage area, if samples permit movement.

Attachment 5-2

WASTE HANDLING EQUIPMENT LIST

WASTE HANDLING EQUIPMENT LIST

EQUIPMENT	SAFETY FEATURES
(2) Forklifts	Equipped with seat belts, and roll-over protection devices
Ramps	Not applicable
Double diaphragm pumps	Not applicable
Trucks (stake bed, etc)	Equipped with seat belts[1]
Overpacks	Not applicable
Lighting	Emergency lighting is available in the area if required. Normal operations in the areas take place during daylight hours.

NOTES:

[1] See SONGS Environmental Procedure SO123-IX-2.205, Hazardous Material Vehicles Inspection/Inventory, for additional information regarding safety features in hazardous material emergency response vehicle.

Attachment 5-3

EMERGENCY EQUIPMENT LIST

EMERGENCY EQUIPMENT LIST

EQUIPMENT	SAFETY FEATURES
Safety shower	Used in case of emergency
Portable eye wash	Used in case of emergency
Grounding straps	Disipates static electricity and reduces explosion hazards
Explosimeter	Measures oxygen and volitile hydrocarbon concentrations
Particulate air sampler	Monitor atmospheric contaminants in a controlled work area
Fresh air supply	Use in case of emergency
Monitoring equipment	Use in case of emergency
Polyethylene funnels	Used for splash protection
Portable poly tanks (500, 1200 and 1700 gal).	Quick safeway for transporting liquid
Manual and/or electric drum deheader	Non-sparking blades
Flashlights	Allows visual observation of drums contents
Polyethylene syphon and PVC hand pumps	Transport liquids providing a wide range of chemical compatibility
Drum upender	Provides a leverage when lifting containers

Section 6.0

CONTINGENCY PLAN

6.1 CONTINGENCY PLAN

The primary emergency response plan for the plant is the San Onofre Nuclear Generating Station Units 1, 2, and 3 Emergency Plan, which satisfies all NRC requirements.

The Spill Contingency Plan (Contingency Plan) describes the responsibilities and the actions which are taken to minimize hazards to human health or to the environment from any fires, explosions, or unplanned sudden or non-sudden release of hazardous waste, from a permitted unit to the air, soil, or surface water. It also describes reporting requirements following a release and corrective action to avoid reoccurrence. The Contingency Plan (General Procedure S0123-XV-17.3) is supplemented by the Hazardous Materials Emergency Response Protocol (S0123-IX-2.210). Plant and vendor personnel are trained to use these procedures in an actual emergency.

The operating procedures comply with several environmental regulations including, but not limited to 22 CCR 66264 Article 4, 8 CCR 5192, and HSC 25504. In accordance with 22 CCR 66264.52(b), these plans are included by reference to be part of this Application. The procedure for a permit modification (22 CCR 66270.42 and as further defined in Appendix I) will be followed if changes are made to the Contingency Plan which affect the mixed waste storage areas or this Application. Changes or revisions to the operating procedures, which do not affect the content of the Permit, will not constitute a modification of the Hazardous Waste Facility Permit.

The Contingency Plan is being revised, if necessary, under the following conditions:

- Applicable regulations or the facility permit are revised;
- Improvements are identified following implementation;
- There are critical complications in implementing the plan;
- The facility changes in design construction, operation or maintenance that could adversely impact emergency response;
- Changes occur in land use, road configurations, available technology, or response capabilities;
- The list of Emergency Coordinators/Alternates changes;
- The list of emergency equipment changes substantially; or,
- The biennial review cycle is implemented through the normal procedural process.

6.2 Responsibilities of the Emergency Coordinator

The Primary Emergency Coordinator is the Environmental Specialist. This role is also currently filled by the Operations Shift Supervisor; or designee, since all emergency notifications are reported to the control room. The names of the primary and alternate Emergency Coordinators, and their addresses and phone numbers (office and home) are provided on the call out list in the Spill Contingency Plan (General Procedure 80123-XV-17.3).

6.1.1 Role of the Emergency Coordinator

The Emergency Coordinator at SONGS is thoroughly familiar with the Contingency Plan, operations of the mixed waste storage areas, the locations and characteristics

of wastes generated at the plant, the layout of the plant, and the locations of hazardous waste records. These personnel acquire and review this knowledge through the training program and through performing their normal job duties. The Emergency Coordinator has the authority to commit the resources needed to carry out the Contingency Plan. During an emergency, the Emergency Coordinator ensures that reasonable measures are initiated to control or contain fires, explosions, and that releases do not occur, recur, or spread to other locations at the facility. These measures include, where applicable, stopping processes and operations, collecting and containing hazardous or mixed waste, and removing or isolating containers.

6.1.2 Availability of the Emergency Coordinator

The primary and alternate Emergency Coordinator(s) are normally available on-site during regular business hours, 7:30 a.m. to 4:00 p.m. Monday through Friday. Since the power plant operates 24 hours per day, 365 days per year, the Emergency Coordinator(s) are available on a "call out" list at all times. In the absence of the Emergency Coordinator, the Operations Shift Supervisor, or designee, will be responsible for initiating and conducting emergency response activities at the facility until the Emergency Coordinator is contacted. These personnel are always on duty, 24 hours per day, 365 days per year. They have been trained in emergency response procedures and are thoroughly familiar with the decommissioning plant operations.

6.2 Emergency Procedures

6.2.1 Notification

Once control of the release or threatened release and emergency medical measures has been taken, the Emergency Coordinator, Operations Shift Supervisor or designee will determine what notifications are necessary. The Emergency Coordinator may request assistance and/or notify other appropriate personnel, public agencies, and outside contractors. The Spill Contingency Plan includes the list of notifications during an emergency. If warranted, the internal alarms will be activated.

If the Emergency Coordinator determines that the facility has had a "significant" incident, which could affect areas outside the facility, the Emergency Coordinator or Operations Shift Supervisor, or designee will report the assessment to the Camp Pendleton Fire Department, San Diego County Environmental Health Department and the State Office of Emergency Services and other agencies as determined necessary. The Emergency Coordinator, Operations Shift Supervisor, or designee is responsible for making all required immediate notifications associated with a “significant" incident. All notifications are documented in the Operations logbook in the control room and may use forms contained in the Spill Contingency Plan and/or the Hazardous Material Emergency Response Protocol.

The following incident information shall be provided:

- Name and telephone of reporter;
- Name and address of facility;
- Time and type of incident (e.g. release, fire, explosion);
- Name and quantity of material(s) involved, to the extent known;
- The extent of injuries, if any; and
- The possible hazards to human health, and the environment, outside the facility.

6.2.2 Identification of Hazardous Materials

Whenever a hazardous material incident occurs, the Emergency Coordinator immediately identifies the character, exact source, amount, and real extent of any released materials. The Emergency Coordinator may perform this assessment by observation, review of facility records, or by chemical analysis.

6.2.3 Assessment of Health Effects and Off-Site Emergencies

The Emergency Coordinator will determine whether the release of hazardous wastes might extend beyond the plant's boundary, enter the Pacific Ocean, create a fire or explosion hazard, or contaminate the atmosphere. If there is a hazard to the environment or to human health outside the plant boundary, the Emergency Coordinator, Operations Shift Supervisor, or designee will notify the National Response Center and State Office of Emergency Services. Concurrently, the Emergency Coordinator will assess possible hazards to human health or the environment that may result from a hazardous materials incident. This assessment considers both direct and indirect effects (e.g. the effects of any toxic, irritating, or asphyxiating gases that are generated or the effects of any hazardous surface run-off from water or chemical agents used to control fire and heat-induced explosions).

6.2.4 Prevention of Spread or Recurrence

Post emergency critiques will be conducted following any response actions. The purpose of critiques is to identify lessons learned in the implementation of the plan, and to provide new information for follow-up revisions to the procedures in the plan.

The format for the critiques is open forum, no-fault, and collaborative. Participants from any agencies or response contract groups involved will be included. The focus of the critique should be constructive and on the general response, not on individual performance. Topics may include the following:

- What actions/events helped or hindered the response activities?
- What were the pros and cons of the plan as applied to this event?
- What was left undone or could have been improved?

Refer to the Spill Contingency Plan for a description of actions to prevent spread of a fire, explosion or spill.

6.2.5 Monitor for Leaks or Pressure Buildup

If the facility stops operations in response to a fire, explosion or spill associated with the Mixed Waste Storage Areas, the Emergency Coordinator will monitor for leaks, pressure buildup, gas generation or ruptures in valves, pipes, or other equipment, wherever this is appropriate.

6.2.6 Storage, Treatment, and Disposal of Released Materials

After the release of hazardous waste has been brought under control, the Emergency Coordinator will initiate actions to:

1. Collect and retain the recovered hazardous waste and contaminated soil, water or other material in compliance with the regulations, taking care that no incompatible wastes were mixed.
2. Arrange for shipment of all hazardous waste and contaminated soil, water, or other material recovered during the emergency to an approved disposal facility by a registered hazardous waste transporter, accompanied by a Uniform Hazardous Waste Manifest.

6.2.7 Incompatible Waste

The Emergency Coordinator will ensure that no other waste that may be incompatible with the released material is brought into the affected area until cleanup procedures have been completed.

6.2.8 Post-Emergency Equipment Maintenance

The Emergency Coordinator will have all emergency equipment cleaned, restored to proper condition and returned to its proper location.

6.2.9 Notification before Operations Resume

The Emergency Coordinator, Operations Shift Supervisor, or designee will, after the cleanup has been completed, arrange to notify DTSC and, if applicable, other individuals or agencies who have been notified of the release. The notification will indicate that the cleanup has been completed and that the hazardous waste handling facilities are in compliance with the requirements of state and federal regulations. The notification that cleanup operations are complete and all emergency equipment is clean and fit for its intended use will precede the following:

- Storage of a potentially incompatible waste in the affected area
- Resumption of operations.

If operations are necessary to ensure plant safety, operational activities will resume and DTSC will be notified as practical. SONGS will notify the Department of Toxic Substances Control that it is in compliance with all applicable regulations before operations resume in the affected areas of the facility.

6.2.10 Operating Record

The time, date and details of any incident that requires implementing the Spill

Contingency Plan will be recorded in the Operating Record (see Section 10).

6.2.11 Written Report

Within 15 days after an incident involving a hazardous waste facility requiring implementation of the Spill Contingency Plan, a written report will be submitted to the California Department of Toxic Substances Control. The 15 days written report requirement indicated in this permit represents DTSC's discretion in 22 CCR 6670.30 to favor the 15 day time frame and waive the 5-day reporting requirement. This report will include:

- Name, address, and telephone number of the facility owner and operator;
- Name, address, and telephone number of the facility;
- Date, time, and type of the incident (i.e. fire, explosion, leak);
- Name and quantity of the materials involved;
- The extent of injuries, if any;
- An assessment of actual or potential hazards to human health or the environment outside the facility, where this is applicable; and
- The estimated quantity and disposition of recovered material that resulted from the incident.

6.3 Evacuation Plan

Due to the types and limited quantities of hazardous waste handled at SONGS, a site wide evacuation is unlikely. However, should a general evacuation become necessary, the Contingency Plan provides for an orderly evacuation of personnel from the site.

The Plant Manager or his designee determines if it is appropriate to evacuate personnel not involved with the operation of the plant. Local evacuations are implemented using the plant public address system. If site evacuation were necessary, the site emergency siren would be activated. The siren alerts personnel to assemble in designated locations, where all individuals can be accounted for and from which personnel can be evacuated in an orderly fashion through the plant's normal access road.

6.4 Emergency Equipment

The emergency equipment at San Onofre Nuclear Generating Station meets all Contingency Plan requirements of Title 22 Section 66265.52(e). As described in Section 5.0 and in the Spill Contingency Plan, the plant provides first aid kits and personal protection equipment at numerous locations and on emergency response vehicles. There are emergency response stations at each of the mixed waste storage areas.

The emergency fire equipment at the plant has been downsized and agreements with the Marine Corps Base, Camp Pendleton for firefighting assistance are in place to handle

all classifications of fires with fixed, mobile, and portable extinguishers, and hose-line water systems. The locations of fire equipment near the storage areas are presented in the Spill Contingency Plan.

Emergency spill response equipment, including decontamination equipment, at the facility is capable of handling both small scale and large scale spills. This equipment is primarily located on the emergency response vehicles.

The plant's communication and alarm system consists of two-way portable radios, telephones, and a horn/siren system. These are available to response personnel at the facility in case of emergencies.

6.5 Copies of the Contingency Plan and Arrangements with Local Authorities

6.5.1 Copies of Plan

The Contingency Plan is available at the facility. SONGS has provided the emergency response agencies with site plans and procedures to familiarize them with the layout of the site, hazardous waste and hazardous materials handled at the site (Business Plan).

6.5.2 Arrangements with Local Authorities for Emergency Response Assistance

Medical/Fire Emergencies

A first aid treatment center that is equipped with normal industrial first aid supplies is provided at several locations within the facility. SONGS no longer maintains an ambulance or a site fire department, but on site personnel are trained to respond to small fires. For larger scale fires and emergencies, SONGS has an agreement with the Marine Corps Base, Camp Pendleton for firefighting assistance. In the event of an emergency, SONGS also has agreements with several medical and transportation units that are listed in the Contingency Plan.

Agreements have been made with the Marine Corps Base, Camp Pendleton for firefighting assistance.

Additional Agreements for Emergency Response

Inter-relationships of the SONGS' Emergency Plan with the emergency plans and agreements of off-site response organizations and jurisdictions include the following (this list is updated in the SONGS Emergency Plan).

- County of Orange
- City of Dana Point
- City of San Juan Capistrano
- City of San Clemente
- Marine Corps Base, Camp Pendleton
- State Department of Parks and Recreation
- County of San Diego
- Institute of Nuclear Power Operations

Attachment 6-1

SPILL CONTINGENCY

CERTIFICATION

CERTIFICATION

Procedure SO123-XV-17.3, Spill Contingency Plan was recently amended to comply with title 22, California Code of Regulations, Article 4.

REGISTERED ENVIRONMENTAL ASSESSOR
BRIAN D METZ
No 07182
Expires 6/30/99
STATE OF CALIFORNIA

Brian D. Metz
Supervisor, Environmental Services

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

H. W. Newton
Manager, Site Support Services

CERTIFICATION

Procedure SO123-XV-17.3, Spill Contingency Plan, was recently amended to comply with title 22, California Code of Regulations, Article 4.

_____

Paul Elliot

Environmental Specialist

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____

Andrew Martinez

Radiation Protection Manager

Section 7.0

PERSONNEL TRAINING

7.0 PERSONNEL TRAINING

7.1 Training Program

Note : The training program described herein is undergoing revision as a result of transition from a self-contained, on-site, employee staffed and maintained emergency response organization, to one that relies more heavily on contractors, vendors and municipalities where the role of the on-site worker is to identify, notify and stabilize spills and releases to the level they have been trained to, with the control room calling in clean up and remediation contractors to complete the task as needed.

This transition is in progress as a result of the utility decision to decommission SONGS. All federal, state and local requirements and regulations are being met, and the program is being refocused as the station transitions from an operating electric generation facility to a construction site. The procedures listed by title in this section will remain in force, and the site personnel and decommissioning contractors will be trained at the response levels appropriate for their new roles. Contractor, vendor, and municipality responders training and qualifications will be supplemented with site specific training to familiarize them with the hazards associated with responding to spills, releases and exposures in the event any of these occur.

San Onofre Nuclear Generating Station manages compliance with all training requirements through an integrated and comprehensive training program for all personnel, contractors and emergency response teaming partners.. The training program is comprised of a description of trainer qualifications, recordkeeping procedures and a detailed description of employee, contractor, vendor and municipality training requirements. The program is broken down into sufficiently small, yet comprehensive, instructional units, which are provided to trainees, based on their job activities. The program consists of classroom instruction and on-the-job training, and teaches personnel to perform their duties in a way that ensures worker safety and facility compliance with all local, state, and federal regulations. The program is implemented through the following plant procedures:

- General Employee Training Program Description: Training Procedure S0123-XXI-1.11.8
- Hazardous Waste and Emergency Response Training Program: Environmental Procedure S0123-IX-2.208
- SONGS Hazard Communication Program: Safety Procedure SO123-XVI-15.1

A training matrix is utilized to determine the training schedule and requirements for each year. The process determines which courses should be provided to each job title in order to manage the mixed waste storage areas properly. The program manages training requirements for all personnel whose positions at SONGS are related to hazardous or mixed waste management and/or emergencies related to the Mixed Waste Storage Areas. The program meets the personnel training requirements specified in 22 CCR 66264.16 and 66270.14(b)(12) and 8 CCR 5192. The program:

- Is designed to ensure that facility personnel with hazardous waste management responsibilities are able to respond effectively to emergencies involving the Mixed Waste Storage Areas. The program provides initial and refresher training on Emergency Response for personnel responsible for the operation of the Mixed

Waste Storage Areas.

- Includes instruction (both introductory and continuing) which teaches facility personnel about hazardous and mixed waste handling and management procedures relevant to the positions in which they are employed.
- Provides a job description for each job title that has tasks/activities related to hazardous and mixed waste management of the Mixed Waste Storage Areas. The job descriptions include skills, qualifications, and duties assigned to each employee.
- Describes the type and amount of both introductory and continuing training that will be given to each employee relevant to their hazardous and mixed waste management positions.

This training program is maintained current and is available on site for inspection and assessment during normal working hours. All training records, qualification matrices, training programs, lesson plans, and on-the-job training documentation, will be made available upon request for inspection.

7.2 Training Records

Training records on current personnel are kept until closure of this facility, or for former personnel, at least three years from the date the employee last worked at the facility. All required documentation, including the full training program description, is maintained at the facility. The records include job title and name of employee filling each position, job description for each position (including required skills, education or other qualifications and duties), description of type/amount of introductory and continuing training for each position and documentation that required training/experience has been completed by each employee.

7.3 Training Coordinator

Within the Hazardous Materials group, the training is directed internally and is overseen by the Environmental Specialist. All training is provided by instructors with knowledge of federal, state, and local regulations obtained through specific hazardous and mixed waste/materials seminars, technical education, and/or experience. The Environmental Specialist ensures that:

- Personnel are trained within six months of starting a job assignment that involves the handling or management of hazardous or mixed waste at the storage area;
- Personnel handling hazardous or mixed wastes at the storage areas are not permitted to work without supervision until they have successfully completed the required training; and,
- Personnel are retrained annually.

Section 8.0

CLOSURE PLAN AND FINANCIAL REQUIREMENTS

8.0 CLOSURE PLAN AND FINANCIAL REQUIREMENTS

8.1 Closure Plan And Cost Estimate

The Closure Plan and Cost Estimate to close the Mixed Waste Storage Areas is the most current updated version issued January 23, 2008 and is presented in Attachment 8-1. The plan was prepared in accordance with 22 CCR 66264.112 and DTSC's guidance document; *"Permit Writer Instructions for Closure of Storage and Treatment Facilities"* dated June 14, 1993 with revisions. Copies of this plan are updated and maintained at the facility as determined by the Environmental Specialist.

The Closure Plan was prepared to remove all hazardous and mixed waste, waste residues, contaminated materials, and contaminated soils during closure. As such, the Post-Closure Plan and a Contingent Post Closure Plan were not prepared in accordance with 22 CCR 66264.117, this is not required for the mixed waste storage areas which include the following:

- South Yard Facility (SYF)
- Batch Plant (BP) Mixed Waste Storage Area
- Multi-Purpose Handling Facility Mixed Waste Storage Areas
    - High Specific Activity Waste (HSAW)
    - Low Specific Activity Waste (LSAW)

8.2 Financial Assurance For Closure

To establish financial assurance for the closure of the mixed waste storage areas, Southern California Edison (SCE) as owner operator of the facility, has selected the mechanism of "guarantor" as set forth in 22 CCR 66264.143(f)(10). The amount of funds available through the use of this test is no less than the sum of funds available had a separate mechanism been established and maintained for financial assurance of closure. Attachment 8-2 is a copy of the letter to the Director, Department of Toxic Substances Control, dated March 28, 2013, which includes the "Financial Assurance documents for Closure, Post Closure, and Liability".

In filing its financial test, Southern California Edison meets the minimum requirements established under 22 CCR 66264.143(f)(l)(B). Attachment 8-2 is a copy of a letter to Ms. Marvel Bradshaw, Surveillance and Enforcement Unit, California Department of Toxic Substances Control, dated March 28, 2008. Enclosed with that letter is the DTSC form for "Alternative II" and is executed by SCE's Vice President and Chief Financial Officer.

8.3 Liability Coverage For Sudden Accidental Occurrence

SCE has satisfied liability coverage for sudden accidental occurrences at the mixed waste storage areas at San Onofre Nuclear Generating Station. To establish financial assurance for the liability coverage, SCE has selected the mechanism of "liability insurance" as set forth in 22 CCR 66264.147(f). Attachment 8-2 is a copy of a letter to Ms. Marvel Bradshaw, Surveillance and Enforcement Unit, California Department of Toxic Substances Control, dated August 24, 2000. The demonstration supporting this mechanism is provided in attachment 8-1. SCE will continuously provide liability coverage for SONGS as required until certification of closure.

Attachment 8-1

CLOSURE PLAN AND COST ESTIMATE

Southern California Edison Co.
San Onofre Nuclear Generating Station
CAD000630921

CLOSURE PLAN

CLOSURE PLAN DATE: 2023

UPDATED: January 23, 2008

OWNER / OPERATER SIGNATURES AND CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

M.J. Johnson — 1/23/08 Date

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I. CLOSURE PLAN

This document serves as the Closure Plan for the mixed waste storage areas at the Southern California Edison (SCE), San Onofre Nuclear Generating Station in San Clemente, California. This Closure Plan was prepared in accordance with Title 22, California Code of Regulations (22 CCR) and the Cal-EPA, Department of Toxic Substances Control (DTSC) guidance document *"Permit Writer Instructions for Closure of Storage and Treatment Facilities"* dated June 14, 1993 with revisions.

Please note that this plan has been developed based on knowledge and current regulatory requirements for the mixed wastes to be stored at the mixed wastes storage areas: South Yard Facility (SYF) Batch Plant (BP) Mixed Waste Storage Area and Multi-Purpose Handling Facility (MPHF) High Specific Activity Waste (HSAW) and Low Specific Activity Waste (LSAW) Mixed Waste Storage Area(s). Because of unforeseeable regulatory changes concerning "mixed wastes" and the availability of offsite treatment and disposal facilities for such wastes, the specific actions identified in this plan may not be implemented as written at the time the unit is closed or the facility is decommissioned. Any such changes implemented will be fully documented in the final closure certification report submitted to the Department.

In accordance with 22 CCR 66264.197, a Post-Closure Plan and a Contingent Post Closure Plan are not required for container storage areas. Therefore, these plans have not been prepared for the San Onofre mixed waste storage areas.

SCE will submit a written notification of or request a permit modification to authorize a change in the approved closure plan if there is a change in the operating plans or mixed waste storage areas design which affect the closure plan; a change in the expected year of closure; or, a change due to unexpected events requiring a modification of the approved closure plan.

II. CLOSURE STEPS

Closure procedures for the mixed waste storage areas (referring to SYF-BP Mixed Waste Storage Area, and MPHF) are outlined in Steps 1-7, below.

Step 1: Notify Department of Toxic Substances Control

DTSC will be notified, in writing, 45 days before implementation of the approved Closure Plan.

Step 2: Remove All Stored Wastes

All containerized wastes and the tank contents will be transported offsite for disposal at an appropriate facility.

Step 3: Sweep / Vacuum Pad

The containment pad and sumps will be carefully swept or vacuumed to remove any solids that have accumulated on the surfaces.

The collected solids will be transported offsite for disposal at an appropriate facility approximately 800 miles away.

Step 4: Decontaminate Pad, and Sumps

The waste handling equipment will be decontaminated, if required, using a high pressure water wash, and/or portable CO_2 unit, or other similar processes. Upon complete decontamination, the equipment will be dismantled and removed from the pad.

The containment areas (SYF-BP Mixed Waste Storage Area, and MPHF) and sumps will also be decontaminated, if required.

The rinse water, if used, from decontamination operations will be collected in a portable tank. The portable tank will be located within a temporary secondary containment area.

Confirmation sampling and analysis will be performed simultaneously with the decontamination operations to ensure the portable tank and pad meet the closure performance standard as shown in Table 3.

Wipe samples will be collected from outside the portable tank.

Rinse water samples, if used, will be collected from the final rinse of the portable tank, waste handling equipment, and containment area.

All samples will be analyzed at a state-certified laboratory to determine hazardous materials characterization or constituents.

Provided the results of the wipe sample analysis meet the closure performance standards as shown in Table 3, the tank will be dismantled and removed from the area. If the results of the analysis do not meet the closure performance standards, additional decontamination and resampling will be performed until the results meet the cleanup levels.

Upon receiving analytical results, the decontamination water will be transported offsite for treatment/disposal at an appropriate facility.

Step 5: Inspect Containment Area

The mixed waste storage areas will be inspected for integrity of the surface and sumps. An inspector will visually inspect the items for damages that might have allowed a release of mixed wastes to the underlying soils. In particular, features that might have resulted in any release of wastes to the underlying soils will be identified for sampling.

Throughout the inspection, the inspector will look for discoloration due to spills and for any cracks, spalling, etching, or other indications of physical deterioration of the concrete. The "worst case" areas will be identified as sample locations. The results of the inspection will be documented.

Step 6: Establish Background Concentrations / Confirmation Sampling/Analysis (Concrete/Soil)

Background soil concentrations will be established prior to demolition of the pads. Samples of soils from an area adjacent to the mixed waste storage areas will be collected and analyzed to establish the background soil concentrations.

Background concrete samples will be collected from concrete that is approximately the same age as that of the mixed waste storage area(s) concrete.

Confirmation sampling and analysis to ensure the containment area and underlying soils meet the closure performance standards will be performed upon completion of inspection of the containment pad, if required.

Sample locations will be determined by evaluating the results of the visual inspection(s). Samples will be collected and analyzed accordingly.

As part of the sampling activities, radiological survey meters and samples will be used to test the containment area for radioactivity.

Analytical results will be compared to the regulatory closure performance standards.

If the concrete is hazardous and/or radioactive, the concrete containment area will be demolished and transported offsite to an appropriate facility. If the concrete containment pad is clean of hazardous constituents and is needed for radioactive only storage, the area will be turned over and used by the station personnel, once deemed clean of hazardous materials.

If the soil is found to be contaminated, the lateral and vertical extent of contamination will be determined. If soil contaminants exceed the closure performance standards, contaminated soil will be excavated and transported offsite to an appropriate facility and confirmation sampling will be conducted. Based on

the concrete pad(s) design, it is very unlikely the containment pad/sumps will leak. Therefore, the underlying soils should not be contaminated. However, for purposes of the closure cost estimate, it has been conservatively assumed that approximately 100 tons of soil / concrete will be classified as mixed waste.

Step 7: Certify Closure/Develop Report

A certification stating that the mixed waste storage areas have been closed in accordance with the approved Closure Plan will be submitted to the DTSC by SCE after being certified by an independent professional engineer registered in the State of California. The certification will consist of a report describing the closure procedures and interpreting analytical results.

III. MIXED WASTE STORAGE AREAS LOCATIONS

A. Size and Dimension

1. South Yard Facility (SYF) Batch Plant (BP) Mixed Waste Storage Area:

   a. 10,810 square feet (~115 x 94')

   b. See figure 2-12A

2. Multipurpose Handling Facility (MPHF):

   a. 15,470 square feet (~119' x 130')

      i. MPHF-LSAW/HSAW Mixed Waste Storage Areas
      There are two areas (~30' x 20') located within the MPHF

   b. See figure 2-12B

B. Ancillary Equipment & Structures:
Both Areas Have:

1. Wet pipe sprinkler systems which are continuously monitored for activation.

2. Fire extinguishers

3. Eye washes

C. Types of Containment System

1. A full containment system (i.e. berms, walls, drainage system and sump(s).

D. Planned Expansions or Modifications

1. No expansion or modifications are planned for the above storage areas.

NOTE: There is no mixed waste stored within the HSAW at the present time.

E. Types of Detection and Monitoring Systems

1. As a minimum, weekly monitoring inspections are performed to detect any spills. Since both areas are fully bermed, other monitoring systems are not required.

F. Drawings

Attachment 2-1	Aerial Photographs
Figure 2-1	SCE Drawing 27002-0 South Yard Facility Paving Plan
Figure 2-2A1	SONGS Topo Site, Sheet 1 of 2
Figure 2-2A2	SONGS Topo Site, Sheet 2 of 2
Figure 2-2B1	Site Facilities Planning Site Plan
Figure 2-2B2	Site Facilities Planning Site Plan - Mesa
Figure 2-3	USGS Topographic Map
Figure 2-4	Accessor's Parcel Numbers Map
Figure 2-5	Floodplain Map San Onofre Creek Drainage Basin
Figure 2-6	Land Uses/Zoning
Figure 2-7	Property Boundary
Figure 2-8A	SCE Drawing 39080-0 South Yard Shop Facilities Underground Utility Plan
Figure 2-8B	SCE Drawing 27001-0 South Yard Shop Facilities Underground Utilities Plan
Figure 2-8C	SCE Drawing 27003-0 South Yard Shop Facilities Underground Sewer Line

Figure 2-9A	Groundwater Contour Map Typical High-Water Condition
Figure 2-9B	Groundwater Contour Map Typical Low-Water Condition
Figure 2-10	Cross-Section of San Onofre Groundwater Basin Showing Typical High and Low Conditions (Hydrogeological Cross Section)
Figure 2-11	San Onofre Nuclear Generating Station Site - Vehicle / Traffic Route Map
Attachment 4-2	SCE Drawing 21088-2 Hazardous Waste Storage Area
Attachment 4-3	SCE Drawing 716247-1 Low Level Radioactive Waste Storage Building

IV. MIXED WASTE STORAGE AREAS

Table 1 presents the following information for each waste type:

- a description of each waste expected to be handled throughout the life of the mixed waste storage areas.
- the EPA hazardous waste number;
- the California waste code;
- the physical state (e.g., liquid, solid, or gas); and
- the hazardous waste constituents of the wastes.

V. DESCRIPTION OF HAZARDOUS WASTE CONSTITUENTS

A list of mixed waste constituents by waste type is presented in Table 1. For purposes of the mixed waste storage area closure, it is assumed that all constituents listed in the table have the potential to have been released to the surrounding containment area or surrounding soils from the regulated unit.

VI. ESTIMATE AND MANAGEMENT OF MAXIMUM INVENTORY

A. Maximum Inventory of Mixed Waste

1. Permitted Waste Capacity

- The permitted waste capacity for the storage areas are 1,000 (55-gallon) containers
- 25 (3.5 cubic yard) B25 boxes
- 50 (30 gallon) containers
- 50 (5 gallon) containers

2. Waste Generated During Closure

All potential wastes, followed by the expected volume of each, generated during closure activities are listed in Table 2.

3. Waste Generation Areas

Not applicable (the entire plant will be decommissioned)

TABLE 1

HAZARDOUS WASTE MANAGEMENT UNITS – SYF-BP AND MPHF WASTE INFORMATION

Waste Name	USEPA Hazardous Waste #	California Waste Code	Hazardous Properties of the Waste	Process(es) that Produced the Waste
Flammable Liquid/ Solvents	D001, F001, F002, F003, F005, D006, D007, D008	214, 343, 551	Ignitability	Painting/Laboratory
Sulfuric Acid	D002	791	Corrosivity	Water Chemistry, Resin Regeneration
Sodium Hypochlorite	D002	131	Corrosivity	Water Chemistry
Sodium Hydroxide	D002, D007, D008	122	Corrosivity	Water Chemistry, Resin Regeneration
Hydrazine	U133	123, 135	Reactivity, Toxicity, Corrosivity	Water Chemistry
Ammonium Hydroxide	N/A	123	Toxicity, Corrosivity	Water Chemistry, Resin Regeneration
1,1,1-Trichloroethane	F001	551,741	Toxicity	Painting
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon)	F002	741, 751, 551	Toxicity	Laboratory, Freon Filters, Rags
Combustible Liquid (Oil)	N/A	221	Toxicity	Pumps, Motors, Lubricating
Asbestos	N/A	151	Toxicity	Insulation
Combustible Solid	N/A	222,241, 351, 352	Toxicity	Oil/ Absorbent Rags
Corrosive Solid	D002	241, 431	Corrosivity	Acid/Caustic Clean-ups, Other Phosphates
Corrosive Liquid	D002	135, 791, 792	Corrosivity	Acid/Caustic Clean-ups, Other Acids/Caustics
Flammable Solid	D001, F001, F002, F003, F005, D006, D007, D008	352, 461	Ignitability	Painting
Sandblast Grit	N/A	181	Toxicity	Inorganic Sandblast Grit
Synthetic Oil	N/A	221, 223	Toxicity	Pumps, Motors, Lubricating
Ethylene Glycol	N/A	135	Toxicity	Cooling Systems
Steam Generator Sludge	N/A	181	Toxicity	Steam Generator, Sludge Lancing

TABLE 1

HAZARDOUS WASTE MANAGEMENT UNITS – SYF-BP AND MPHF WASTE INFORMATION
Cont.

Synthetic Oil	N/A	221, 223	Toxicity	Pumps, Motors, Lubricating
Ethylene Glycol	N/A	135	Toxicity	Cooling Systems
Steam Generator Sludge	N/A	181	Toxicity	Steam Generator, Sludge Lancing
Oil/ Trichloroethane	F001, F002	741	Toxicity	Oil Cleaning Parts, Etc.
Misc. Non RCRA Hazardous Wastes	N/A	223, 132, 214, 241, 341, 342, 343, 351, 352 , 461, 491	Toxicity	Unspecified oil containing wastes, aqueous solutions w/ metals, unspecified solvent mixtures, tank bottom waste organic liquids (non solvents) w/ halogens, organic liquids with metals, unspecified organic liquid mixtures, organic solids w/ halogens, other organic solids, paint sludge, unspecified sludge waste)
Lead	D008	181	Toxicity	Lead Shielding, Cables, Computers
Mercury	D009	181, 725	Toxicity	Mercury Instruments
Aqueous Metal Containing	D005, D006, D007, D008, D009, D010, D011	132, 135, 181, 722, 723, 724, 725, 726, 727	Toxicity	Miscellaneous Plant Systems

Note: This table is for the SYF BP Mixed Waste Area and/or the MPHF LSAW/HSAW Mixed Waste Areas. The mixed waste is placed in the areas by radioactivity levels as the general guidance.

TABLE 2

WASTES GENERATED DURING CLOSURE

Material Generated	Volume Expected to be Generated
Soil, Concrete, Wipe, and Rinsewater Samples	Samples to be disposed by analytical laboratory
Rinsewater	800 gallons
Contaminated Soil / Concrete (Radiological)	100 tons
Personal Protective Garments	1 bin

Waste generation areas are the SFY BP Mixed Waste Area and the MPHF LSAW/HSAW Mixed Waste Area.

B. Management of Maximum Inventory

1. Onsite Management

Wastes stored in the mixed waste storage area will be transported to an appropriate disposal facility. Onsite treatment is not being proposed at this time.

During closure activities, solids will be swept/vacuumed from the containment area. These solids will be minimal due to the facilities management procedure of inspecting and removing any debris from the area on a regular basis.

If characterized as below the performance standards and non-radioactive, the concrete containment area will be left in-place. If characterized as above the performance standards or radioactive, the containment area will be demolished and transported to an appropriate offsite disposal facility.

Based on the containment pads design, it is very unlikely the containment pad/sumps will leak. Therefore, the underlying soils should not be contaminated and may be left in-place.

All other wastes generated during closure activities (See Table 2) will be collected and stored in containers or bulk while awaiting transport.

2. Offsite Management

The maximum waste inventory will be treated in accordance with the land ban requirements for the wastes.

The waste inventory will be transported, by a certified hazardous waste transporter, to a licensed mixed waste landfill.

The demolished concrete containment area will be transported offsite to a mixed waste TSDF if it is classified as radioactive waste. If classified as nonradioactive but hazardous, the containment area will be demolished, transported and disposed of at a hazardous waste TSDF. If characterized as non-hazardous but above the closure performance standards and non-radioactive, the containment area will be demolished, transported to, and disposed of at a municipal landfill.

If soil contaminants exceed the closure performance standards, contaminated soil will be excavated and transported offsite to an appropriate facility. Confirmation sampling will be conducted to verify that soils left in place are not hazardous. Based on the containment areas design, it is very unlikely the containment pad/sumps will leak. Therefore, the underlying soils will not be contaminated. However, for purposes of the closure cost estimate (Section XIV) it has been conservatively assumed that approximately 100 tons of soil/concrete will be classified as a hazardous waste. Assuming 100 tons of soil is hazardous, the hazardous waste soil will be transported to a mixed waste disposal facility. Wastes generated during closure activities (See Table 2) will be transported offsite for proper disposal.

The waste soil and concrete will be excavated and transported, by a certified hazardous waste transporter, to an out-of-state mixed waste landfill, if found to be both hazardous and radioactive.

These types of hazardous waste have been previously transported to each of the facilities proposed in the closure plan. All generator and transportation requirements shall be met prior to and during shipment. Therefore, it has been previously verified that the facilities are permitted to accept the wastes generated from the closure activities. Sampling information will be recorded when samples are collected so that the sampling procedures can be reconstructed at a later date. Copies of this sampling information and all manifests and shipping papers will be maintained at the facility as part of the closure documentation package.

C. Land Disposal Restrictions

Previous industry experience indicates that the mixed wastes generated during closure activities will be subject to land disposal restrictions. All land disposal restrictions likely will be complied with when sending mixed wastes to offsite waste management facilities.

D. Changes in Maximum Inventory

No changes are anticipated for the maximum inventory of mixed waste for the mixed waste storage areas. If an unexpected inventory change is required, a permit modification and/or closure plan amendment will be submitted in accordance with the applicable regulations.

VII. DECONTAMINATION PROCEDURES FOR EQUIPMENT, STRUCTURES, AND BUILDINGS

A. Contaminated Equipment, Structures, and Buildings

The list of contaminated equipment, structures, and buildings that may require decontamination or offsite disposal during final closure includes:

- The containment areas and concrete sumps
- Equipment used in waste handling and emergency response (i.e., forklifts, drum dollies, spill absorbent, booms, temporary containment systems, and shovels, etc.)
- Earth-moving equipment used in the hazardous waste storage area decontamination (i.e., trucks, front-end loaders, etc.), if applicable.

B. Decontamination Procedures

Previous experience indicates that a high pressure water wash will adequately decontaminate the surface. Prior experience also indicates that the total volume of rinsewater generated should be less than 800 gallons. The rinsewater will be collected in a portable tank located in a temporary containment system.

Prior to performing washing operations, the concrete surfaces (containment areas and sumps), will be carefully vacuumed or swept to remove any solids that have accumulated on the surface. These solids will be containerized and transported to an appropriate facility for disposal.

After collecting the solids from the containment pads and equipment surfaces, and waste handling equipment will be decontaminated (high pressure water washed). Samples will be obtained and analyzed to ensure decontamination meets the applicable closure performance standards.

Upon verification via analytical results that the equipment has been decontaminated, the equipment will be removed from the pad. The containment pads and sumps will then be high pressure water washed.

VIII. CONFIRMATION SAMPLING PLAN FOR CONTAINMENT STRUCTURES AND EQUIPMENT

A. Contaminated equipment, structures, and/or buildings to be properly decontaminated

This information is provided in Section VII, Item A. (See Attachmet 3-1: Waste Sampling and Analysis Plan, also.)

B. Equipment, structures, and/or buildings that are not contaminated

All equipment that is suspected to be contaminated with hazardous waste will be decontaminated.

The confirmation sampling plan will discuss the following: (See Attachment 3-1: Waste Sampling and Analysis Plan.)

Sampling Objectives/Purpose
Number and Locations of Samples to be Taken
Type of Sample
Field Sampling Method/Procedures
Quality Control Sampling
Decontamination of Sampling Equipment
Chain of Custody Procedures
Labeling, Packaging/Preservation, and Transportation
Documentation
Analytical Test Methods

IX. SOIL SAMPLING PLAN

Confirmatory soil sampling will be performed in the mixed waste storage areas to verify that there have been no releases from the containment area. If the soils in the areas do not meet the closure performance standards, as specified in Section XII, the impacted soil will be removed. (See Attachment 3-1: Waste Sampling and Analysis Plan also.)

X. ANALYTICAL TEST METHODS

All information regarding the analytical test methods, preparation methods, analytes, detection limits, and the use of a certified laboratory statement can be found in SW-846 (latest edition). (See Attachment 3-1: Waste Sampling and Analysis Plan also.)

XI. GROUNDWATER SAMPLING

Currently SONGS is not aware of any groundwater contamination at this time, and a groundwater sampling plan will be submitted upon request by the Department if groundwater contamination is suspected or confirmed. Groundwater in the vicinity of the mixed waste storage areas is predicted to be at a depth of greater than 25 feet. Because all liquid containers have second containment, no groundwater sampling will be conducted in the vicinity of the mixed waste storage areas.

If it is determined that contamination has occurred under the mixed waste storage areas has occurred, a Groundwater Sampling Plan/Corrective Action Plan will be developed to address potential groundwater issues and soil removal options. This plan will be submitted to DTSC for approval.

XII. CLOSURE PERFORMANCE STANDARDS (CLEANUP LEVELS)

The goal of this closure plan is to demonstrate decontamination of hazardous waste storage areas to designated cleanup levels. Table 3 presents the closure performance standards to be used at the treatment area to achieve clean closure. A description of the methodology used to determine performance standards is presented below. (See Attachment 3-1: Waste Sampling and Analysis Plan, also.)

TABLE 3

CLOSURE PERFORMANCE STANDARDS

Media	Performance Standard
Concrete containment area (pad, berms, walls) and sumps.	Non-Detect over Background Cleanup Levels
SOILS Inorganic contaminants Organic contaminants	 Background Cleanup Levels Non-detect over Background Cleanup Levels
Wipe Samples	Non-Detect over Blank Cleanup Levels

Samples of background concrete and soil and blank samples of wipes and rinse water will be analyzed. They will serve as baselines for the non-detect performance standards.

A. Cleanup to Background Levels

1. Definition and Selection of Background

As shown in Table 3, the background level performance standard is applicable only to inorganic contamination in underlying soil (in accordance with the guidance document) and to the concrete containment area.

Four background native soil samples will be taken from random locations within the mixed waste storage areas at various depths. The background native soil sample locations will be selected because they are representative of the existing local conditions. Four background concrete samples will also be collected. These will be from concrete in the mixed waste storage areas containment in which no mixed wastes have been stored.

2. Sampling Location

As stated in Section XII.A.1 above, the background native soil and concrete samples will be taken from areas near the mixed waste storage areas that are known not to be susceptible to becoming contaminated by mixed wastes.

3. Sampling Depth

Background soil samples will be collected from the same geologic strata as those samples collected for confirmation sampling.

4. Sampling Frequency

Samples will be taken every 3 feet until no contamination is detected.

5. Number of Samples

Each of the two populations that will be sampled for background concentrations, the soil and the concrete, is relatively limited in volume yet expected to be moderately heterogeneous. Therefore, four was selected as the number of samples for each population based on a guideline of EPA Test Methods for Evaluating Solid Waste, SW-846.

6. Sampling Procedures (See Attachment 3-1: Waste Sampling and Analysis Plan.)

7. Analytical Test Methods

Per SW-846 (See Attachment 3-1: Waste Sampling and Analysis Plan, also.)

8. Calculation of Specific Background Cleanup Level

The cleanup levels for each analyte will be equal to the mean for background samples plus three standard deviations. Cleanup levels will be calculated for the soil and for concrete.

B. Cleanup to Levels Determined to Pose an Insignificant Risk to Public Health and the Environment

Not Applicable, this Closure Plan does not incorporate this performance standard.

C. Calculation of Potential Daily Intake of Chemical using Department/OSHA and EPA Parameters

Not Applicable, this Closure Plan does not incorporate this performance standard.

D. Selection of Reference Doses and Cancer Potency Factors using Department Hierarchy

Not Applicable, this Closure Plan does not incorporate this performance standard.

E. Calculation of Cancer Risk and Hazard Indices for Chemicals, Including Combining Risks from all Exposure Pathways and Combining Risks from Chemicals within the Pathway

Not Applicable, this Closure Plan does not incorporate this performance standard.

F. Non-Detect Levels of the Hazardous Constituents of Concern

As shown in Table 3, the non-detect level performance standard is applicable to:

- Concrete containment areas (pads, berms, walls) and sumps;
- Inorganic soil contaminants;
- Organic contaminants;

Note, however, that concrete, wipes, and rinse water may contain some of the analytes specified for this closure. Therefore, back-ground concrete samples and blank wipe and rinse water samples will be collected and analyzed. The non-detect cleanup level performance standard will apply to the cleanup levels that are based on these background and blank samples. The cleanup standards, based on background and blank samples will be submitted to the Department 120 days prior to closure.

XIII. SOIL REMOVAL/CLEANUP PROCEDURES

Based on the analytical results of the soil samples, it may be found that the soil constituents in the mixed waste storage areas exceed the cleanup levels (see Section XII). Soil containing constituents which exceed cleanup levels will be excavated. If significant contamination is found, then a Corrective Action Plan will be prepared and submitted to DTSC for approval. Otherwise, the following activities will be done.

Soil Removal

If analytical results of the soil samples indicate limited soil contamination, the contaminated soil under and around the unit will be excavated (after the concrete containment area is demolished and removed). If the soil is above the closure performance standards, it will be excavated and transported offsite to an appropriate disposal facility. The soil will be excavated by a backhoe, bulldozer and/or other heavy duty soil excavation equipment.

The contaminated soils under and around the units will be excavated in a layer by layer sequence beginning at the sampling level in which contamination was first discovered. The surface area of the mixed wastes storage area(s) can be found in Section III. The excavation will be supervised by a qualified person. If it is determined that the poles supporting the awning and/or building at the BP Mixed Waste Storage area, and/or MPHF, must be removed to safely excavate contaminated soil, the awning and/or building, will be removed prior to unsafe excavation.

Excavation operations will be scheduled, if possible, to limit the potential effect of rainfall that may transport contaminants further through the soil. Provided the awning and/or building is left in place (see discussion above) the mixed waste storage areas will be protected from precipitation.

If the awning and/or building is removed, the potential effect of rainfall may be mitigated by covering the excavation with plastic during a storm or at night when a storm is anticipated. The equipment staging area will be north of the mixed waste storage area(s).

Dust suppression will be accomplished by water sprays throughout excavation operations.

Based on the containment pads design, it is very unlikely the containment pads/sumps will leak. Therefore, underlying soils are not anticipated to be contaminated. However, for purposes of the closure cost estimate (Section XIV) it has been conservatively assumed that approximately 100 tons of soil/concrete will be classified as a hazardous/radioactive waste. The hazardous waste soil will be transported to a mixed waste disposal facility.

If the soil is found to be contaminated, the lateral and vertical extent of contamination will be determined. If soil contaminants exceed the closure performance standards, contaminated soil will be excavated and transported offsite to a licensed facility, and confirmation sampling will be conducted.

Offsite Disposal of Contaminated Soils

For purposes of the cost estimate, it is proposed that all contaminated soils will be disposed at a mixed waste treatment/disposal facility (landfill) in accordance with applicable regulations. The contaminated soil will be sent to a facility permitted to accept this type of waste for treatment/disposal. Currently only one facility is licensed, it is located ~800 miles from SONGS. Depending on the availability of disposal sites in 2023, disposal will occur at a licensed facility. (See Section VI.B, also.)

XIV. CLOSURE COST ESTIMATE

Closure procedures for the mixed waste storage areas are outlined in Section II. The estimated time required to complete each step is presented in Table 5. If the closure period extends beyond the indicated time, DTSC will be notified. The closure cost estimate for the storage areas are presented in Table 4. If the closure cost requires changes due to inflation, cost changes in disposal, transportation, changes in facility operation and/or changes in maximum inventory, etc., the closure cost estimate will be updated annually.

TABLE 4

CLOSURE COST ESTIMATE

Step #	Closure Activity		Cost Estimate
1	Notify DTSC		$ 0
2	Remove All Stored Wastes		
	Manpower (40 man hours @ $50/hr)	$ 2,000	
	Transport / dispose:		
	1000 55-gallon containers mixed waste @ $65/gallon	$ 3,575,000	
	25 Boxes @ $6500/Box	$162,500	
	50 30-gallon containers mixed waste @ $65/gallon	$ 97,500	
	50 5-gallon containers mixed waste @ $65/gallon	$ 16,250	$3,853,250
	(See Notes 1 & 2)		
3	Sweep / Vacuum Pad		
	Manpower (8 man hours @ $50/hr)	$ 400	$ 400
4	Decontaminate Tank, Pads and Sumps (if required)		
	Rent one (1) 4,000 gallon Portable Tank / Containment (1 mo)	$ 1,000	
	Rent Vacuum Truck (10 hours @ $80/hr)	$ 800	
	Manpower (160 man hours @ $50/hr) (Note 4)	$ 8,000	
	Decontaminate Analytical Costs:		
	4 Concrete Samples @ $500/sample	$ 2,000	
	4 Soil Samples @ $750/sample	$ 3,000	
	1 Rinse Water Sample @ $500	$ 500	
	Transport / Dispose		
	800 Gallons Decontamination Solution @ $65/gal	$ 52,000	
	Note 3 100 Tons Soil / Concrete (33 boxes) @ $6500/box	$ 214,500	$ 281,800
	Note 4 Conditionally authorized unit (OCA-6) is within this cost estimate (8 man hours)		
5 / 6	Confirmation Sampling / Analysis (Concrete/Soil)		
	Manpower for Sampling (16 man hours @ $50/hr)	$ 800	
	Equipment Rentals	$ 400	
	Analytical Costs:		
	7 Concrete Samples @ $500/sample	$ 3,500	
	21 Soil Samples @ $750/sample	$15,750	
	1 Rinse Water Sample @ $500	$ 500	$ 20,950
7	Certify Closure / Develop Report		$ 2,000
	Project Management		$ 5,000
		SUBTOTAL	$ 4,163,400
	Implicit Price Deflator (Gross National Product) Previous Year's (starting w/ 1997)		$ 902,167
	Inflation Factor Current Year 2008 (119.512/116.338 = 1.02728)		$ 138,290
	10% Contingency		$ 520,386
		TOTAL	$ 5,724,243

Note 1: Costs are based on best guess using industry experience from other facilities.

Note 2: Some waste may not have a disposal facility.

Note 3: It has been conservatively assumed that the concrete samples will be analytically determined to be hazardous and the removal and offsite disposal of the containment area will be necessary. The top 1/8" to ¼" of the concrete will be decontaminated using CO_2 decontamination procedures. The uncontaminated concrete will be excavated and transported to an out-of-state landfill.

Note 4: Decontamination of conditionally authorized Unit (OCA-6) mixed waste processing tank is less than $10,000, but is incorporated in this closure cost estimate.

XV. FINANCIAL RESPONSIBILITY

SCE has satisfied the financial assurance requirements for liability and closure of the mixed waste storage areas. Financial assurance mechanism for cost estimate will be updated annually due to inflation and/or whenever there is a change in facility operations or maximum inventory.

XVI. CLOSURE IMPLEMENTATION SCHEDULE

The estimated time required to complete the closure steps, as outlined in Section II of this plan, for the mixed waste storage areas closure is presented in Table 5. NOTE: Demolition and removal of the containment areas are included for contingency purposes only. Expected year of final closure: 2023.

TABLE 5

CLOSURE SCHEDULE

Step #	Closure Activity	Days
1	Notify the DTSC (Note 1)	N/A
2	Remove all Stored Wastes	60
3	Sweep / Vacuum Pads	3
4	Decontaminate Pads, and Sumps	3
5	Confirmation Sampling / Analysis (Note 2)	2
6	Establish Background Concentrations (Concrete / Soil) Confirmation Sampling / Analysis (Concrete / Soil) (Note 2)	21
7	Certify Closure / Develop Report (Note 3)	N/A
	Project Management	N/A
TOTAL CLOSURE PERIOD (DAYS)		89

Note 1: Notification is given 45 days prior to starting the closure period. Any extensions to start date and completion of closure schedule DTSC will be notified via certified letter.

Note 2: Analysis will be performed simultaneously with closure operations.

Note 3: Report preparation time is not included in the closure schedule. Closure certification will be ongoing throughout closure activities.

XVII. CLOSURE CERTIFICATION REPORT REQUIREMENTS

A. At a minimum, SCE will maintain and make available to DTSC upon request, the following:

1. An approved Closure Plan;
2. A copy of the independent qualified professional engineer's field observation reports;
3. Laboratory results of samples analyzed;
4. Quality assurance/quality control demonstrations;
5. Manifests showing disposition of waste inventory;
6. Miscellaneous documentation (e.g., photographs); and
7. Closure Certification Report.

B. SCE will submit a Closure Certification Report upon completion of closure implementation that will contain, at a minimum, the following:

1. Certification by an independent registered professional engineer;
2. Supervisory personnel description;
3. Summary of Closure Activities;
4. Field Engineer Observation Reports;
5. Sampling Data and Analyses (i.e., sampling locations, soil boring logs, chain of custody, analytical results, etc.);
6. Discussion of Analytical Results;
7. Manifests showing disposition of waste inventory (if applicable)
8. Modifications and Amendments to the Closure Plan (if applicable); and
9. Photographs of closure/sampling activities.

XVIII. PERSONAL PROTECTIVE EQUIPMENT (WORKER HEALTH AND SAFETY)

An updated Health and Safety Plan for closure activities will be prepared, submitted to the Department, and approved prior to implementation of closure activities, and will include:

1. Hazard Identification
2. Hazard Evaluation
3. Personal Protective Equipment
4. Environmental Monitoring
5. Site Work Zone
6. Decontamination of Worker
7. Emergency Procedures
   a) name of personnel responsible for emergency action
   b) location of nearest telephone
   c) alternative means of communication
   d) list of emergency services

IXX. SITE SECURITY

During closure activities, the mixed waste storage areas will have signs with the legend "Danger Hazardous Waste Storage Area - Unauthorized Personnel Keep Out" posted at each entrance to the waste areas, and at other locations, in sufficient numbers to be seen from any approach to these units.

An exterior security fencing surrounds the entire San Onofre Nuclear Generating Station site. The SYF-BP has an interior, locked fence that surrounds the area. The MPHF uses a security key card access system and locked entrances.

Security systems will remain in-place until the closure certification is accepted by the Department, during partial and final closures. Alternate access controls with roving security guards may also be utilized.

Attachment 8-2

FINANCIAL RESPONSIBILITY REQUIREMENTS

QUARTERLY Surveys for Comment, Revision, Suspension	
Current	**Proposed**
Q003 Radwaste Storage Areas	Annual (If some areas are actively in use, they can be added to Quarterly 2)
Q009 U2 PE & SB Hose Lockers, Cages and Pipe Mezzanine	Bi-Annual and eliminate pipe mezzanine area (Ask Ops what lockers and cages can be eliminated)
Q010 U3 PE & SB Hose Lockers, Cages and Pipe Mezzanine	Bi-Annual and eliminate pipe mezzanine area (Ask Ops what lockers and cages can be eliminated)
Q013 & Q014 U2(3) SEB 8' -15' thru 8' Elev	Bi-Annual, eliminate -2' elev on plot plan – Areas are covered monthly during compliance and housekeeping walkdown
Q015 63' RB (Waste Gas and HMS)	Annual (Hallways & corridors are on Quarterly 2)
Q016 24' RB (Letdown Rooms, PASS, 218E)	Bi-Annual, revise planning card to remove PASS
Q017 9' RB (Rooms only)	Bi-Annual, Remove Room 112 RB Sump, in Q002
Q018 U2 30' PE (Rooms only)	Bi-Annual
Q019 U3 30' PE (Rooms only)	Bi-Annual
Q027 Security X-Ray Machines	Remove SSPF from Plot Plan. Does I&C still perform quarterly PMs?
Q036 68.5' Hot Tool Crib	Bi-Annual
Q040 U2/3 Quarterly Sampling Survey of Tools Stored within the PA but O/S the RCA	**Suspend**
Q041 ALARA Job Reviews (Reminder for RP Planning /GF to perform reviews)	**Suspend** - Schedule and perform periodic reviews per owner Ahola
Q043 U2/3 Quarterly Sampling Survey of Rigging Equipment Stored within the PA but O/S the RCA	**Suspend**
Q044 SYF Quarterly Sampling Survey of Rigging Equipment and Tools Stored within the Restricted Area but O/S the RCA	**Suspend**

SOUTHERN CALIFORNIA
EDISON®
EDISON INTERNATIONAL® Company

March 28, 2013

Director, Department of Toxic Substances Control
Financial Assurance Unit
8800 Cal Center Drive
Sacramento, California 95826-3200

Re: **Southern California Edison Company**
Financial Assurance Documents for Closure, Post-Closure and Liability

Southern California Edison Company (SCE) is submitting the following documentation supporting the use of a Financial Test and Corporate Guarantee to demonstrate financial assurance at the facilities listed below.

1. Letter from Chief Financial Officer
2. Corporate Guarantee for Closure or Post-Closure Care
3. Guarantee for Liability Coverage
4. Credit Ratings - Standard & Poors and Moody's
5. Excerpts from SCE's 2012 Form 10-K (Annual Report):
    a. Report of Independent Registered Public Accounting Firm (pg. 55)
    b. Consolidated Statements of Income (pg. 63)
    c. Consolidated Balance Sheets (pgs. 64 - 65)
    d. Consolidated Statements of Cash Flows (pg. 66)
    e. Consolidated Statements of Changes in Common Shareholder's Equity (pg. 67)
6. Special Report of Independent Accountants
7. Tangible Net Worth Spreadsheet
8. Closure and/or Post-Closure Cost Estimates

The following facilities are owned and operated by SCE and are covered by this documentation.

1. San Onofre Nuclear Generating Station – EPA ID# CAD000630921
   Mixed Waste Storage Area.

2. Santa Monica Manufactured Gas Plant Site – EPA ID# None

The following facilities are not owned by SCE but are also covered by this documentation.

1. AES Alamitos Generating Station Retention Basin – EPA ID# CAD009694795
2. AES Highgrove Generating Station Retention Basin – EPA ID# CAD000631028
3. AES Huntington Beach Generating Station Retention Basin – EPA ID# CAD000631085
4. NRG Cool Water Generating Station Water Treatment Sump – EPA ID# CAD000630905
5. NRG El Segundo Generating Station Retention Basin– EPA ID# CAD000630962
6. NRG Etiwanda Generating Station Retention Basin– EPA ID# CAD079548574
7. NRG Long Beach Generating Station Retention Basin–EPA ID# CAD000631143
8. NRG Mandalay Generating Station Retention Basin– EPA ID# CAD000630913
9. NRG Ormond Beach Generating Station Retention Basin– EPA ID# CAD000631036

2244 Walnut Grove Ave.
Rosemead, CA 91770

10. Bellflower Manufactured Gas Plant (MGP) Site – EPA ID# None
11. Colton MGP Site – EPA ID# None
12. Long Beach I MGP – EPA ID# None
13. Long Beach II MGP – EPA ID# None
14. Monrovia MGP – EPA ID# None
15. Redlands II MGP – EPA ID# None
16. Riverside MGP – EPA ID# None
17. San Pedro MGP – EPA ID# None
18. Santa Barbara I MGP – EPA ID# CAC002587830
19. Santa Barbara II MGP – EPA ID# None
20. Venice MGP – EPA ID# None
21. Corona MGP – EPA ID# None
22. Long Beach III MGP – EPA ID# None
23. Pomona MGP – EPA ID# None
24. San Bernardino MGP – EPA ID# None
25. Santa Ana I MGP – EPA ID# None
26. Santa Ana II MGP – EPA ID# None
27. Venice MGP – EPA ID# None
28. Whittier MGP – EPA ID# None

Should you have any questions or require additional information, please contact me directly at (626) 462-8725.

Sincerely,

Stanley L. Marsh

Stanley L. Marsh
Project Manager

Enclosures

Bcc: Pete Dietrich
Tom McCool
Doug Bauder
MaryJane Johnson
Brian Metz
Henry Martinez
Don Neal
Ron Jensen
Josh Nichols
Eric Hodder
Randall Weidner
Tricia Young
Sumner Koch
John Butler
Alexander Daly (PWC)

SOUTHERN CALIFORNIA
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LETTER FROM CHIEF FINANCIAL OFFICER

Director, Department of Toxic Substances Control
Financial Assurance Unit
8800 Cal Center Drive
Sacramento, California 95826-3200

I am the Chief Financial Officer of Southern California Edison Company located at 2244 Walnut Grove Avenue, Rosemead, California, 91770. This letter is in support of the use of the Financial Test to demonstrate financial responsibility for Liability coverage and Closure and/or Post-Closure care as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8.

The firm identified above is the owner or operator of the following facilities/TTU for which liability coverage for sudden accidental occurrences is being demonstrated through the financial test specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, sections 66264.147 and 66265.147:

Facility	Location	EPA I.D. No.	Current Liability Coverage
San Onofre Nuclear Generating Station Mixed Waste Storage Area	5000 Pacific Coast Hwy San Clemente, CA 92672	CAD000630921	$2M
Santa Monica Manufactured Gas Plant Site	819 Colorado	None	$2M

The firm identified above guarantees, through the guarantee specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, sections 66264.147 and 66265.147, liability coverage for sudden accidental occurrences at the following facilities/TTU owned or operated by the following:

Facility	Location	EPA I.D. No.	Current Liability Coverage
AES Alamitos Generating Station Owned by AES Energy Corp. Boiler Chemical Cleaning Retention Basin	690 N. Studebaker Rd. Long Beach, CA 90815	CAD009694795	$2M
AES Highgrove Generating Station Owned by AES Energy Corp. Boiler Chemical Cleaning Retention Basin	12700 Taylor St. Colton, CA 92324	CAD000631028	$2M

AES Huntington Beach Generating Station Owned by AES Energy Corp. Boiler Chemical Cleaning Retention Basin	21730 Newland Ave. Huntington Beach, CA 92646	CAD000631085	$2M
NRG Cool Water Generating Station Owned by NRG Company Water Treatment Sump	37000 Santa Fe Rd. Daggett, CA 92327	CAD000630905	$2M
NRG El Segundo Generating Station Owned by NRG Company Boiler Chemical Cleaning Retention Basin	301 Vista Del Mar El Segundo, CA 90245	CAD000630962	$2M
NRG Etiwanda Generating Station Owned by NRG Company Boiler Chemical Cleaning Retention Basin 91739	8996 Etiwanda Ave. Rancho Cucamonga, CA	CAD079548574	$2M
NRG Long Beach Generating Station Owned by NRG Company Boiler Chemical Cleaning Retention Basin	2665 W. Seaside Blvd. Long Beach, CA 90802	CAD000631143	$2M
NRG Mandalay Generating Station Owned by NRG Company Boiler Chemical Cleaning Retention Basin	373 N. Harbor Blvd. Oxnard, CA 93030	CAD000630913	$2M
NRG Ormond Beach Generating Station Owned by NRG Company Boiler Chemical Cleaning Retention Basin	6635 S. Edison Dr. Oxnard, CA 93030	CAD000631036	$2M

The firm identified above is engaged in the following substantial business relationships with the owners or operators listed above, AES Energy Corp. and NRG Company receiving the following value in consideration of the guarantee:

Southern California Edison Co. divested the above named generating stations to their new owners in 1998. All environmental liabilities associated with the Boiler Chemical Cleaning Retention Basins located at these facilities were, however, retained by Southern California Edison Co. as agreed to in the contracts for sale with the respective buyers. This arrangement does not stipulate receiving value in consideration of this guarantee.

1. The firm identified above is the owner or operator of the following facilities/TTUs for which financial assurance for closure and/or post-closure or liability coverage is demonstrated through

the financial test as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, section 66264.143, subsection (f), section 66264.145, subsection (f), section 66265.143, subsection (e), and section 66265.145, subsection (e). The current closure and/or post-closure cost estimates covered by the test are shown for each facility/TTU:

Facility Name and Address	Closure Estimate	Post-closure Estimate	Liability
San Onofre Nuclear Generating Station 5000 Pacific Coast Highway San Clemente, CA 92672 Mixed Waste Storage Area	$6,416,738	None	$2M
Santa Monica MGP Site 819 Colorado Santa Monica, CA	$212,600	TBD	$2M
Subtotal (Para. 1)	$6,629,338	None	$4M

2. The firm identified above guarantees through the guarantee as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, section 66264.143, subsection (f), section 66264.145, subsection (f), section 66265.143, subsection (e), and section 66265.145, subsection (e), the closure and/or post-closure care or liability coverage of the following facilities/TTUs owned or operated by the guaranteed party. The current cost estimates for the closure or post-closure care so guaranteed are shown for each facility/TTU:

Facility Name and Address	Closure Estimate	Post-closure Estimate	Liability
AES Alamitos Generating Station Owned by AES Energy Corp. 690 N. Studebaker Rd. Long Beach, CA 90815 Boiler Chemical Cleaning Retention Basin	$3,082,000	TBD	$2M
AES Highgrove Generating Station Owned by AES Energy Corp. 12700 Taylor St. Colton, CA 92324 Boiler Chemical Cleaning Retention Basin	$25,000	TBD	$2M
AES Huntington Beach Generating Station Owned by AES Energy Corp. 21730 Newland Ave. Huntington Beach, CA 92646 Boiler Chemical Cleaning Retention Basin	$1,956,000	TBD	$2M
NRG Cool Water Generating Station Owned by NRG Company 37000 Santa Fe Rd.	$220,000	TBD	$2M

Daggett, CA 92327 Water Treatment Sump			
NRG El Segundo Generating Station Owned by NRG Company 301 Vista Del Mar El Segundo, CA 90245 Boiler Chemical Cleaning Retention Basin	$4,977,000	TBD	$2M
NRG Etiwanda Generating Station Owned by NRG Company 8996 Etiwanda Ave. Rancho Cucamonga, CA 91739 Boiler Chemical Cleaning Retention Basin	$360,000	TBD	$2M
NRG Long Beach Generating Station Owned by NRG Company 2665 W. Seaside Blvd. Long Beach, CA 90802 Boiler Chemical Cleaning Retention Basin	$305,000	TBD	$2M
NRG Mandalay Generating Station Owned by NRG Company 373 N. Harbor Blvd. Oxnard, CA 93030 Boiler Chemical Cleaning Retention Basin	$451,000	$787,000	$2M
NRG Ormond Beach Generating Station Owned by NRG Company 6635 S. Edison Dr. Oxnard, CA 93030 Boiler Chemical Cleaning Retention Basin	$1,307,000	TBD	$2M
Subtotal (Para. 2)	$12,683,000	$787,000	$18M

3. In states where the U.S. Environmental Protection Agency is not administering the financial requirements of subpart H of title 40 CFR parts 264 and 265, this firm as owner, operator or guarantor is demonstrating financial assurance for the closure or post-closure care of the following facilities/TTUs through the use of a financial test equivalent or substantially equivalent to the financial test specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, section 66264.143, subsection (f), section 66264.145, subsection (f), section 66265.143, subsection (e), and section 66265.145, subsection (e). The current closure and/or post-closure cost estimates covered by such a test are shown for each facility/TT:

Site Name and Address	EPA ID No.	Closure	Post Closure
Bellflower Manufactured Gas Plant (MGP) (SCE) 16449 Piuma Ave., Cerritos, CA 90703	None	$0	TBD
Colton MGP (SCE) 160 S. 10th St., Colton, CA 92324	None	$0	$272,783
Long Beach I MGP (SCE) Long Beach, CA	None	$0	TBD
Long Beach II MGP (SCE) Harbor Scenic Dr. and Ocean Blvd., Long Beach, CA	None	$46,848	TBD
Monrovia MGP (SoCalGas) 1622 S. Magnolia St., Monrovia, CA 91016	None	$71,159	TBD
Redlands II MGP (SCE) 501 W. Redlands, Blvd., Redlands, CA 92373	None	$19,297	TBD
Riverside (SoCalGas) 10th St. & Howard Dr., Riverside, CA	None	$0	$14,576
San Pedro MGP (SCE) Santa Cruz St. & Center St., San Pedro, CA	None	$0	TBD
Santa Barbara I MGP (SCE) 136 E. DelaGuerra St., Santa Barbara, CA 93191	CAC002587830	$0	$115,995
Santa Barbara II MGP (SoCalGas) 630 E. Montecito St., Santa Barbara, CA 93103	None	$365,497	TBD
Venice MGP (SCE) 340 E, Main St., Venice, CA 90291	None	$0	TBD
Corona MGP (SCE) 633 Railroad St., Corona, CA 91726	None	$265,262	TBD
Long Beach III MGP (SCE) Pier B, Edison Ave., Long Beach, CA 90813	None	$58,280	TBD
Pomona MGP (SoCalGas) Commercial Ave. & Huntington St., Pomona, CA 91766	None	$1,745,233	TBD
San Bernardino MGP (SoCalGas) 242 N. Arrowhead Ave., San Bernardino, CA 92408	None	$110,047	TBD
Santa Ana I MGP (SoCalGas) Millie St. & E. Walnut St., Santa Ana, CA 92701	None	$29,699	TBD
Santa Ana II MGP (SCE) 2nd & Sycamore, Santa Ana, CA	None	$311,492	TBD
Ventura MGP (SoCalGas) Olive Ave. & McFarland Dr., Ventura, CA	None	$819,414	TBD
Whittier MGP (SoCalGas) 11815 Hadley, Whittier, CA 90601	None	$37,397	TBD
Subtotal (Para. 3)		$3,879,625	$403,354

4. The firm identified above is the owner or operator of the following facilities/TTUs for which financial assurance for closure or, if a disposal facility, post-closure care, is not demonstrated either to U.S. Environmental Protection Agency or a State through the financial test or any other

financial assurance mechanism as specified in California Code of Regulations, title 22, division 4.5, chapters 14 and 15, article 8 or equivalent or substantially equivalent State mechanisms. The current closure and/or post-closure cost estimates not covered by such financial assurance are shown for each facility/TTU:

None

5. The firm is the owner or operator or guarantor of the following Underground Injection Control facilities for which financial assurance for plugging and abandonment is required under 40 CFR part 144 and is assured through a financial test. The current closure cost estimates as specified in 40 CFR144.62 are shown for each facility:

None

The firm is required to file a form 10-K with the Securities and Exchange Commission (SEC) for the latest fiscal year.

The fiscal year of this firm ends on December 31. The figures for the following items marked with an asterisk are derived from this firm's independently audited, year-end financial statements for the latest completed fiscal year, ended December 31, 2012.

This firm is using Part B, Alternative II for Closure or Post-Closure Care and Liability Coverage.

PART B

ALTERNATIVE II

1. .....Sum of current Closure and Post-Closure cost estimates (Total of all cost estimates shown in the paragraphs of the letter to the Director of the Department of Toxic Substances Control) .....$ 24,382,317

2. .....Amount of annual aggregate liability coverage to be demonstrated...$ 22,000,000

3. .....Sum of lines 1 and 2.....$46,382,317

4. Current bond rating (Senior secured) of most recent issuance and name of rating service:
..... S&P: A Moody's: A1

5. .....Date of issuance of bond	Series 2009A	March 20, 2009
.....	Series 2009B	March 20, 2009
.....	Series 2010A	March 11, 2010
.....	Series 2010B	August 30, 2010
.....	Series 2011A	May 17, 2011
.....	Series 2011D	October 12, 2011
.....	Series 2011E	November 22, 2011
.....	Series 2012A	March 13, 2012
6 .....Date of maturity of bond	Series 2009A	March 15, 2039
.....	Series 2009B	September 15, 2014
.....	Series 2010A	March 15, 2040
.....	Series 2010B	September 1, 2040
.....	Series 2011A	June 1, 2021
.....	Series 2011D	September 15, 2014
.....	Series 2011E	December 1, 2041
.....	Series 2012A	March 15, 2042

*7. .....Tangible net worth (if any portion of the closure and post closure cost estimates is included in "total liabilities" on your firm's financial statements, you may add the amount of that portion to this line.) $ 10,695,000,000

*8. .....Total assets in the United States (required only if less than 90 percent of firm's assets are located in the United States). ..... $ N/A

9. .....Is line 7 at least $10 million?.....☒ Yes ☐ No

10. .....Is line 7 at least 6 times line 3?.....☒ Yes ☐ No

*11. .....Are at least 90 percent of the firm's assets located in the United States? If not, complete line 12.....☒ Yes ☐ No

12. .....Is line 8 at least 6 times line 3?.....☒ Yes ☐ No

.....I hereby certify that the wording of this letter is identical to the wording as specified in California Code of Regulations, title 22, section 66264.151, subsection (g) and is being executed in accordance with the requirements of California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8.

Signature

Date: 3/28/13

LINDA G. SULLIVAN, Senior Vice President and Chief Financial Officer

SOUTHERN CALIFORNIA
EDISON®
An EDISON INTERNATIONAL® Company

CORPORATE GUARANTEE FOR CLOSURE OR POSTCLOSURE CARE

Department of Toxic Substances Control
Financial Responsibility Section
8800 Cal Center Drive
Sacramento, California 95826

Guarantee made this March 29, 2013 by Southern California Edison Company, a business corporation organized under the laws of the State of California, herein referred to as guarantor, to the Department of Toxic Substances Control (DTSC), obligee, on behalf of our subsidiaries:

San Onofre Nuclear Generating Station	5000 Pacific Coast Highway, San Clemente, CA 92672
AES Energy Corp.	690 N. Studebaker Rd., Long Beach, CA 90815 12700 Taylor St., Colton, CA 92324 21730 Newland Ave., Huntington Beach, CA 92646
NRG Company	37000 Santa Fe Rd., Daggett, CA 92327 391 Vista Del Mar, El Segundo, CA 90245 8996 Etiwanda Ave., Rancho Cucamonga, CA 91739 2665 W. Seaside Blvd., Long Beach, CA 90802 373 N. Harbor Blvd., Oxnard, CA 93030 6635 S. Edison Dr., Oxnard, CA 93030
Bellflower MGP (SCE)	16449 Piuma Ave., Bellflower, CA 90703
Colton MGP (SCE)	160 S. 10th St., Colton, CA 91726
Long Beach I MGP (SCE)	Long Beach, CA
Long Beach II MGP	Harbor Scenic Dr. & Ocean Blvd., Long Beach, CA
Monrovia MGP (SoCalGas)	1622 S. Magnolia Ave., Monrovia, CA 91016
Redlands II MGP (SCE)	501 W. Redlands Blvd., Redlands, CA 92373
Riverside MGP (SoCalGas)	10th & Howard, Riverside, CA
San Pedro MGP (SCE)	Santa Cruz St. & Center Ave., San Pedro, CA
Santa Barbara I MGP	136 E. DelaGuerra St., Santa Barbara, CA 93191
Santa Barbara II MGP (SoCalGas)	630 E. Montecito St., Santa Barbara, CA 93103
Venice MGP (SCE)	340 Main St., Venice, CA 90291

Corona MGP (SCE)	633 Railroad St. Corona, CA 91726
Long Beach III MGP (SCE)	Pier B, Edison Ave., Long Beach, CA 90813
Pomona MGP (SoCalGas)	Commercial Ave. & Huntington St., Pomona, CA 91766
San Bernardino MGP (SoCalGas)	242 N. Arrowhead, San Bernardino, CA 92408
Santa Ana I MGP (SoCalGas)	Millie St. & E. Walnut St, Santa Ana, CA 92701
Santa Ana II MGP (SCE)	2nd & Sycamore, Santa Ana, CA
Santa Monica MGP (SCE)	819 Colorado, Santa Monica, CA
Ventura MGP (SoCalGas)	Olive Ave. & McFarland Dr., Ventura, CA
Whittier MGP (SoCalGas)	11815 Hadley, Whittier, CA 90601

This guarantee is made on behalf of,

San Onofre Nuclear Generating Station, AES Energy Corp., NRG Company, LA County Dept. of Sanitation, City of Colton, Los Angeles County, City of Long Beach, City of Monrovia, Redlands Security Co., MLM Properties, LTD., Santa Barbara County, Santa Barbara Historical Museum, Sempra Energy, City of Corona, Port of Long Beach, City of Pomona, Sattler Investment Co., San Bernardino County, Ofelia Casteleanos, Southern California Edison, Ventura County Flood Control District, CalTRANS, and "A" Towing Co., hereinafter referred to as "subsidiaries", which are entities with which the guarantor has a substantial business relationship as defined in California Code of Regulations, title 22, division 4.5, chapter 10, article 2, section 66260.10 to the DTSC.

RECITALS

1. Guarantor meets or exceeds the financial test criteria and agrees to comply with the reporting requirements for guarantors as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, section 66264.143, subsection (f), section 66264.145, subsection (f), section 66265.143, subsection (e), and section 66265.145, subsection (e).

2. "Subsidiaries", own at least 50 percent of the voting stock of and/or operates the following hazardous waste management facility(ies)/transportable treatment unit(s) (TTU) covered by this guarantee:

Facility Name and Address	EPA ID Number	Closure Cost Estimate	Post-Closure Cost Estimate
SCE San Onofre Nuclear Generating Station Owned by Southern California Edison Co. 5000 Pacific Coast Highway San Clemente, CA 92672 Mixed Waste Storage Area	CAD000630921	$6,416,738	None
AES Alamitos Generating Station Owned by AES Energy Corp. 690 N. Studebaker Rd. Long Beach, CA 90815 Boiler Chemical Cleaning Retention Basin	CAD009694795	$3,082,000	TBD
AES Highgrove Generating Station Owned by AES Energy Corp. 12700 Taylor St, Colton, CA 92324 Boiler Chemical Cleaning Retention Basin	CAD000631028	$25,000	TBD
AES Huntington Beach Generating Station Owned by AES Energy Corp. 21730 Newland Ave. Huntington Beach, CA 92646 Boiler Chemical Cleaning Retention Basin	CAD000631085	$1,956,000	TBD
NRG Cool Water Generating Station Owned by NRG Company 37000 Santa Fe Rd. Daggett, CA 92327 Water Treatment Sump	CAD000630905	$220,000	TBD
NRG El Segundo Generating Station Owned by NRG Company 301 Vista Del Mar El Segundo, CA 90245 Boiler Chemical Cleaning Retention Basin	CAD000630962	$4,977,000	TBD
NRG Etiwanda Generating Station Owned by NRG Company 8996 Etiwanda Ave. Rancho Cucamonga, CA 91739 Boiler Chemical Cleaning Retention Basin	CAD079548574	$360,000	TBD
NRG Long Beach Generating Station Owned by NRG Company 2665 W. Seaside Blvd. Long Beach, CA 90802 Boiler Chemical Cleaning Retention Basin	CAD000631143	$305,000	TBD
NRG Mandalay Generating Station Owned by NRG Company 373 N. Harbor Blvd. Oxnard, CA 93030	CAD000630913	$451,000	$787,000

Boiler Chemical Cleaning Retention Basin			
NRG Ormond Beach Generating Station Owned by NRG Company 6635 S. Edison Dr. Oxnard, CA 93030 Boiler Chemical Cleaning Retention Basin	CAD000631036	$1,307,000	TBD
Bellflower Manuf. Gas Plant (MGP) (SCE) Owned by LA County Sanitation Dept. 16449 Piuma Ave., Cerritos, CA 90703	None	$0	TBD
Colton MGP Site (SCE) Owned by City of Colton 160 S. 10th St., Colton, CA 92324	None	$0	$272,783
Long Beach I MGP (SCE) Long Beach, CA	None	$0	TBD
Long Beach II MGP (SCE) Owned by LA County & City of Long Beach Harbor Scenic Dr. and Ocean Blvd., Long Beach, CA	None	$46,848	TBD
Monrovia MGP (SoCalGas) Owned by City of Monrovia 1622 S. Magnolia St., Monrovia, CA 91016	None	$71,159	TBD
Redlands II MGP (SCE) Owned by Redlands Security Co. 501 W. Redlands, Blvd., Redlands, CA 92373	None	$19,297	TBD
Riverside MGP (SoCalGas) Owned by MLM Properties, Ltd. 10th St. & Howard Dr., Riverside, CA	None	$0	$14,576
San Pedro MGP (SCE) Owner N/A Santa Cruz St. & Center St., San Pedro, CA	None	$0	TBD
Santa Barbara I MGP Site Owned by Santa Barbara County and Santa Barbara Historical Museum 136 E. DelaGuerra St., Santa Barbara, CA 93191	CAC002587830	$0	$115,995
Santa Barbara II MGP (SoCalGas) Owned by Sempra Energy 630 E. Montecito St., Santa Barbara, CA 93103	None	$365,497	TBD
Venice MGP (SCE) Owner N/A 340 W. Main St., Venice, CA 90291	None	$0	TBD
Corona MGP (SCE) Owner N/A 633 Railroad St., Corona, CA 91726	None	$265,262	TBD
Long Beach III MGP (SCE) Owned by Port of Long Beach Pier B, Edison Ave., Long Beach, CA 90813	None	$58,280	TBD
Pomona MGP (SoCalGas) Owned by City of Pomona	None	$1,745,233	TBD

Commercial Ave. & Huntington St. Pomona, CA 91766			
San Bernardino MGP (SoCalGas) Owned by San Bernardino Co. & Sattler Investment Co. 242 N. Arrowhead, San Bernardino, CA 92408	None	$110,047	TBD
Santa Ana I MGP (SoCalGas) Owned by Allied Building Products Millie St. & E. Walnut St, Santa Ana, CA 92701	None	$29,699	TBD
Santa Ana II MGP (SCE) Owned by Ofelia Castelianos 2nd & Sycamore, Santa Ana, CA	None	$311,492	TBD
Santa Monica MGP (SCE) Owned by Southern California Edison Co. 819 Colorado, Santa Monica, CA	None	$212,600	TBD
Ventura MGP (SoCalGas) Owned by Sempra Energy, Ventura Co. Flood Control Dist., & CalTRANS Olive Ave. & McFarland Dr., Ventura, CA	None	$819,414	TBD
Whittier MGP (SoCalGas) Owned by "A" Towing Co. 11815 Hadley, Whittier, CA 90601	None	$37,397	TBD

3. "Closure plans" and "post-closure plans" as used below refer to the plans maintained as required by California Code of Regulations, title 22, division 4.5, chapters 14 and 15, article 7, for the closure and post-closure care of facilities/TTU(s) as identified above.

4. For value received from "Subsidiaries", Guarantor guarantees to DTSC that in the event that "Subsidiaries" fails to perform closure care of the above facility(ies)/TTUs in accordance with the closure or post-closure plans and other permit or interim status requirements whenever required to do so, the guarantor shall do so or establish a trust fund as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, as applicable, in the name of "Subsidiaries" in the amount of the current closure or post-closure cost estimates as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8.

5. Guarantor agrees that if, at any time during or at the end of any fiscal year before the termination of this guarantee, the guarantor fails to meet the financial test criteria, guarantor shall send within 90 days, by certified mail, notice to DTSC and to "Subsidiaries that he or she intends to provide alternate financial assurance as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8 as applicable, in the names of "Subsidiaries. Within 120 days after the end of such fiscal year or other occurrence, the guarantor shall establish such alternate financial assurance unless "Subsidiaries" have done so.

6. The guarantor agrees to notify DTSC by certified mail of a voluntary or involuntary proceeding under Title 11 (Bankruptcy), United States Code, naming guarantor as debtor within ten (10) days after commencement of the proceeding.

7. Guarantor agrees that within 30 days after being notified by DTSC of a determination that

guarantor no longer meets the financial test criteria or that he or she is disallowed from continuing as a guarantor of closure or post-closure care, he or she shall establish alternate financial assurance as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, as applicable, in the names of "Subsidiaries" unless "Subsidiaries" have done so.

8. Guarantor agrees to remain bound under this guarantee notwithstanding any or all of the following: amendment or modification of the closure or post-closure plan, amendment or modification of the permit, the extension or reduction of the time of performance of closure or post-closure, or any other modification or alteration of an obligation of the owner or operator pursuant to California Code of Regulations, title 22, division 4.5.

9. Guarantor agrees to remain bound under this guarantee for as long as "Subsidiaries" shall comply with the applicable financial assurance requirements of California Code of Regulations, title 22, division 4.5 for the above listed facilities/TTUs, except as provided in paragraph 10 of this agreement.

10. Guarantor may terminate this guarantee 120 days following the receipt of notification, through either registered of certified mail, by DTSC and by "Subsidiaries".

11. Guarantor agrees that if "Subsidiaries" fail to provide alternate financial assurance as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, as applicable, and obtain written approval of such assurance from DTSC within 90 days after a notice of cancellation by the guarantor is received by DTSC from guarantor, guarantor shall provide such alternate financial assurance in the names of "Subsidiaries".

12. Guarantor expressly waives notice of acceptance of this guarantee by DTSC or by "Subsidiaries". Guarantor also expressly waives notice of amendments or modifications of the closure and/or post-closure plan and of amendments or modifications of the facility/TTU permit(s).

The parties hereby certify that the wording of this guarantee is identical to the wording specified in California Code of Regulations, title 22, section 66264.151, subsection (h)(1) and is being executed in accordance with the requirements of California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8.

Effective date: 3/28/2013

Southern California Edison

Signature

LINDA G. SULLIVAN
Senior Vice President and Chief Financial Officer

Signature of witness or notary:

SARAH C. PEREZ
Commission # 1859067
Notary Public - California
Los Angeles County
My Comm. Expires Aug 22, 2013

SOUTHERN CALIFORNIA
EDISON®
An EDISON INTERNATIONAL® Company

GUARANTEE FOR LIABILITY COVERAGE

Department of Toxic Substances Control
Financial Responsibility Section
8800 Cal Center Drive
Sacramento, California 95826

Guarantee made by March 29, 2013 by Southern California Edison Company, a business corporation organized under the laws of the State of California, herein referred to a guarantor. This guarantee is made on behalf of San Onofre Nuclear Generating Station at 5000 Pacific Coast Highway, San Clemente, CA 92672, subsidiaries of guarantor; and AES Energy Corp., at 690 N. Studebaker Rd., Long Beach, CA 90815, 12700 Taylor St. Colton, CA 92324, and 21730 Newland Ave., Huntington Beach, CA 92646; and NRG Company at 37000 Santa Fe Rd., Daggett, CA 92327, 301 Vista Del Mar, El Segundo, CA 90245, 8996 Etiwanda Ave., Rancho Cucamonga, CA 91739, 2665 W. Seaside Blvd., Long Beach, CA 90802, 373 N. Harbor Blvd., Oxnard, California 93030, and 6635 S. Edison Dr., Oxnard, CA 93030; which are entities with which guarantor has a substantial business relationship, as defined in California Code of Regulations, title 22, division 4.5, chapter 10, article 2, section 66260.10, to any and all third parties who have sustained or may sustain bodily injury or property damage caused by sudden accidental occurrences arising from operation of the facility(ies)/transportable treatment unit(s) (TTU) covered by this guarantee.

RECITALS

1. Guarantor meets or exceeds the financial test criteria and agrees to comply with the reporting requirements for guarantors as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, sections 66264.147 and 66265.147.

2. San Onofre Nuclear Generating Station owns or operates the following Hazardous Waste Management Facility covered by this guarantee:

EPA Identification Number:	CAD000630921
Name:	San Onofre Nuclear Generating Station Mixed Waste Storage Area
Address:	5000 Pacific Coast Highway San Clemente, CA 92672

AES Energy Corp. owns or operates the following hazardous waste management facility(ies)/TTU(s) covered by this guarantee:

EPA Identification Number:	CAD009694795
Name:	AES Alamitos Generating Station Boiler Chemical Cleaning Retention Basin
Address:	690 N. Studebaker Rd. Long Beach, CA 90815

EPA Identification Number:	CAD000631028
Name:	AES Highgrove Generating Station Boiler Chemical Cleaning Retention Basin

Address:	12700 Taylor St. Colton, CA 92324
EPA Identification Number:	CAD000631085
Name:	AES Huntington Beach Generating Station Boiler Chemical Cleaning Retention Basin
Address:	21730 Newland Ave. Huntington Beach, CA 92646

NRG Company owns or operates the following hazardous waste management facility(ies)/TTU(s) covered by this guarantee:

EPA Identification Number:	CAD000630905
Name:	NRG Cool Water Generating Station Water Treatment Sump
Address:	37000 Santa Fe Rd. Daggett, CA 92327
EPA Identification Number:	CAD000630962
Name:	NRG El Segundo Generating Station Boiler Chemical Cleaning Retention Basin
Address:	301 Vista Del Mar El Segundo, CA 90245
EPA Identification Number:	CAD079548574
Name:	NRG Etiwanda Generating Station Boiler Chemical Cleaning Retention Basin
Address:	8996 Etiwanda Ave. Rancho Cucamonga, CA 91739
EPA Identification Number:	CAD000631143
Name:	NRG Long Beach Generating Station Boiler Chemical Cleaning Retention Basin
Address:	2665 W. Seaside Blvd. Long Beach, CA 90802
EPA Identification Number:	CAD000630913
Name:	NRG Mandalay Generating Station Boiler Chemical Cleaning Retention Basin
Address:	373 N. Harbor Blvd. Oxnard, CA 93030
EPA Identification Number:	CAD000631036
Name:	NRG Ormond Beach Generating Station Boiler Chemical Cleaning Retention Basin
Address:	6635 S. Edison Dr. Oxnard, California 93030

This corporate guarantee satisfies California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, third-party liability requirements for sudden accidental occurrences in the above-named owner or operator facility(ies)/TTU(s) for coverage in the amount of $1,000,000 per facility/TTU per occurrence and $2,000,000 annual aggregate.

3. For value received from San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company, guarantors guarantee to any and all third parties who have sustained or may sustain bodily injury or property damage caused by sudden accidental occurrences arising from operations of the facilities/TTU(s) covered by this guarantee that in the event that San Onofre Nuclear Generating Station, AES Energy Corporation, and NRG Company fails to satisfy a judgement or award based on a determination of liability for bodily injury or property damage to third parties caused by sudden accidental occurrences, arising from the operation of the above-named facility(ies)/TTU(s), or fails to pay an amount agreed to in settlement of a claim arising from or alleged to arise from such injury or damage, the guarantor will satisfy such judgement(s), awards(s), or settlement agreement(s) up to the limits of the coverage identified above.

4. Such obligation does not apply to the following:

(a) Bodily injury or property damage for which San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages that San Onofre Nuclear Generating Station, AES Energy Corp., NRG Company would be obligated to pay in the absence of the contract or agreement.

(b) Any obligation of San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company, and under a workers' compensation, disability benefits, or unemployment compensation law or any similar laws.

(c) Bodily injury to:

(1) An employee of San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company, arising from, and in the course of, employment by San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company, or

(2) The spouse, child, parent, brother, or sister of that employee as a consequence of, or arising from, and in the course of employment by San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company. This exclusion applies:

(A) Whether San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company may be liable as an employer or in any other capacity; and

(B) To any obligation to share damages with or repay another person who shall pay damages because of the injury to persons identified in paragraphs (A) and (B).

(d) Bodily injury or property damages arising out of the ownership, maintenance, use, or entrustment to others of any aircraft, motor vehicle, or watercraft.

(e) Property damage to:

(1) Any property owned, rented, or occupied by San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company,

(2) Premises that are sold, given away, or abandoned by San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company, if the property damage arises out of any part of those premises;

(3) Property loaned to San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company;

(4) Personal property in the care, custody, or control of San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company:

(5) That particular part of real property on which the San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company, or any contractor or subcontractors

working directly or indirectly on behalf of the San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company, are performing operations, if the property damage arises out of these operations.

5. Guarantor agrees that if, at any time during or at the end of any fiscal year before termination of this guarantee, the guarantor fails to meet the financial test criteria, guarantor shall send within ninety (90) days, by certified mail, notice to the Department of Toxic Substances Control (DTSC) and to San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company, that he or she intends to provide alternate liability coverage as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, sections 66264.147 and 66265.147, as applicable, in the name of San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company. Within 90 days after the end of such fiscal year, the guarantor shall establish such liability coverage unless San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company have done so.

6. The guarantor agrees to notify the DTSC by certified mail of a voluntary or involuntary proceeding under Title 11 (Bankruptcy), United States Code, naming guarantor as debtor, within ten (10) days after commencement of the proceedings.

7. Guarantor agrees that within thirty (30) days after being notified by the DTSC of a determination that the guarantor no longer meets the financial test criteria or that he or she is disallowed from continuing as a guarantor, he or she shall establish alternate liability coverage as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, sections 66264.147 and 66265.147 in the name of San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company, unless the San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company, has done so.

8. Guarantor reserves the right to modify this agreement to take into account amendment or modification of the liability requirements set by California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, sections 66264.147 and 66265.147, provided that such modification shall become effective only if DTSC does not disapprove the modification within thirty (30) days of receipt of notification of the modification.

9. Guarantor agrees to remain bound under this guarantee for so long as San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company, shall comply with the applicable requirements of California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, sections 66264.147 and 66265.147 for the above-listed facility(ies)/TTU(s), except as provided in paragraph 10 of this agreement.

10. Guarantor may terminate this guarantee 120 days following receipt of notification, through certified mail, by DTSC and by San Onofre Nuclear Generating Station, AES Energy Corp., and NRG Company.

11. Guarantor hereby expressly waives notice of acceptance of this guarantee by any party.

12. Guarantor agrees that this guarantee is in addition to and does not affect any other responsibility or liability of the guarantor with respect to the covered facility(ies)/TTU(s).

13. The guarantor shall satisfy a third-party liability claim only on receipt of one of the following documents;

(a) Certification from the Principal and the third-party liability claimant(s) that the liability claim should be paid. The certification shall be worded as follows, except that instructions in brackets are to be replaced with the relevant information and the brackets deleted:

CERTIFICATION OF VALID CLAIM

The undersigned, as parties Southern California Edison and Claimant, hereby certify that the claim of bodily injury and/or property damage caused by a sudden accidental occurrence arising from operating San Onofre Nuclear Generating Station Mixed Waste Storage Area; AES Energy Corp's. Alamitos, Highgrove and Huntington Beach Boiler Chemical Cleaning Retention Basins; and NRG Company's Coolwater Water Treatment Sump, and El Segundo, Etiwanda, Long Beach, Mandalay and Ormond Beach Boiler Chemical Cleaning Retention Basins, should be paid in the amount TBD.

Principal

(Notary) Date

Claimant(s)

(Notary) Date

(b) A valid final court order establishing a judgement against the Principal for bodily injury or property damage caused by sudden or nonsudden accidental occurrences arising from the operation of the Principal's facility/TTU or group of facility(ies)/TTU(s).

14. In the event of combination of this guarantee with another mechanism to meet liability requirements, this guarantee will be considered primary coverage.

I hereby certify that the wording of this guarantee is identical to the wording as specified in California Code of Regulations, title 22, section 66264.151, subsection (h)(2) and is being executed in accordance with the requirements of California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8.

Effective date: 3/28/2013

Southern California Edison

Signature

LINDA G. SULLIVAN
Senior Vice President and Chief Financial Officer

Signature of witness or notary:

SARAH C. PEREZ
Commission # 1859067
Notary Public - California
Los Angeles County
My Comm. Expires Aug 22, 2013

SCE Credit Ratings
As of December 31, 2012

	Fitch	Moody	S&P
SCE Snr Secured	A+	A1	A
SCE Snr Unsecured	A	A3	BBB+
SCE Preferred	BBB+	Baa2	BBB-
SCE Commercial Paper	F-1	P-2	A-2

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Directors and
Shareholder of Southern California Edison Company

In our opinion, the accompanying consolidated balance sheets and the related consolidated statements of income, comprehensive income, changes in equity and cash flows present fairly, in all material respects, the financial position of Southern California Edison Company and its subsidiaries at December 31, 2012 and 2011, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2012 in conformity with accounting principles generally accepted in the United States of America. In addition, in our opinion, the financial statement schedule listed in the index appearing under Item 15 (a)(2) presents fairly, in all material respects, the information set forth therein when read in conjunction with the related consolidated financial statements. These financial statements and financial statement schedule are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements and financial statement schedule based on our audits. We conducted our audits of these statements in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

As discussed in Note 3 to the consolidated financial statements, the Company changed the manner in which it accounts for variable interest entities as of January 1, 2010.

/s/ PricewaterhouseCoopers LLP

Los Angeles, California
February 26, 2013

Consolidated Statements of Income **Southern California Edison Company**

(in millions)	Years ended December 31, 2012	2011	2010
Operating revenue	$ 11,851	$ 10,577	$ 9,983
Fuel	308	367	363
Purchased power	3,831	2,989	2,930
Operation and maintenance	3,544	3,387	3,291
Depreciation, decommissioning and amortization	1,562	1,426	1,273
Property and other taxes	295	285	263
Disallowances and other	32	—	(1)
Total operating expenses	9,572	8,454	8,119
Operating income	2,279	2,123	1,864
Interest income	7	5	7
Other income	137	135	141
Interest expense	(499)	(463)	(429)
Other expenses	(50)	(55)	(51)
Income before income taxes	1,874	1,745	1,532
Income tax expense	214	601	440
Net income	1,660	1,144	1,092
Less: Dividends on preferred and preference stock	91	59	52
Net income available for common stock	$ 1,569	$ 1,085	$ 1,040

Consolidated Statements of Comprehensive Income

(in millions)	Years ended December 31, 2012	2011	2010
Net income	$ 1,660	$ 1,144	$ 1,092
Other comprehensive income (loss), net of tax:			
Pension and postretirement benefits other than pensions:			
Net loss arising during period, net of income tax benefit of $6, $2 and $6 for 2012, 2011 and 2010, respectively	(9)	(3)	(9)
Amortization of net loss included in net income, net of income tax expense of $3, $2 and $2 for 2012, 2011 and 2010, respectively	4	4	3
Comprehensive income attributable to SCE	$ 1,655	$ 1,145	$ 1,086

The accompanying notes are an integral part of these consolidated financial statements.

(in millions)	December 31, 2012	2011
ASSETS		
Cash and cash equivalents	$ 45	$ 57
Receivables, less allowances of $75 for uncollectible accounts at both dates	755	760
Accrued unbilled revenue	550	519
Inventory	340	350
Prepaid taxes	48	278
Derivative assets	129	65
Regulatory assets	572	494
Other current assets	123	89
Total current assets	2,562	2,612
Nuclear decommissioning trusts	4,048	3,592
Other investments	116	93
Total investments	4,164	3,685
Utility property, plant and equipment, less accumulated depreciation of $7,424 and $6,894 at respective dates	30,200	27,569
Nonutility property, plant and equipment, less accumulated depreciation of $117 and $107 at respective dates	70	73
Total property, plant and equipment	30,270	27,642
Derivative assets	85	70
Regulatory assets	6,422	5,815
Other long-term assets	531	491
Total long-term assets	7,038	6,376
Total assets	$ 44,034	$ 40,315

The accompanying notes are an integral part of these consolidated financial statements.

(in millions, except share amounts)	December 31, 2012	2011
LIABILITIES AND EQUITY		
Short-term debt	$ 175	$ 419
Accounts payable	1,297	1,319
Accrued taxes	72	49
Accrued interest	172	167
Customer deposits	193	199
Derivative liabilities	126	266
Regulatory liabilities	536	670
Deferred income taxes	81	89
Other current liabilities	861	670
Total current liabilities	3,513	3,848
Long-term debt	8,828	8,431
Deferred income taxes	6,669	5,781
Deferred investment tax credits	104	84
Customer advances	149	138
Derivative liabilities	939	805
Pensions and benefits	2,245	2,461
Asset retirement obligations	2,782	2,610
Regulatory liabilities	5,214	4,670
Other deferred credits and other long-term liabilities	1,848	1,529
Total deferred credits and other liabilities	19,950	18,078
Total liabilities	32,291	30,357
Commitments and contingencies (Note 9)		
Common stock, no par value (560,000,000 shares authorized; 434,888,104 shares issued and outstanding at each date)	2,168	2,168
Additional paid-in capital	581	596
Accumulated other comprehensive loss	(29)	(24)
Retained earnings	7,228	6,173
Total common shareholder's equity	9,948	8,913
Preferred and preference stock	1,795	1,045
Total equity	11,743	9,958
Total liabilities and equity	$ 44,034	$ 40,315

The accompanying notes are an integral part of these consolidated financial statements.

(in millions)	Years ended December 31, 2012	2011	2010
Cash flows from operating activities:			
Net income	$ 1,660	$ 1,144	$ 1,092
Adjustments to reconcile to net cash provided by operating activities:			
Depreciation, decommissioning and amortization	1,562	1,426	1,273
Regulatory impacts of net nuclear decommissioning trust earnings	192	146	189
Other amortization	71	132	106
Disallowances and other	32	—	(1)
Stock-based compensation	18	16	17
Deferred income taxes and investment tax credits	256	852	973
Proceeds from U.S. treasury grants	68	—	—
Changes in operating assets and liabilities:			
Receivables	(23)	(44)	(25)
Inventory	10	(18)	(11)
Margin and collateral deposits, net of collateral received	38	7	2
Prepaid taxes	230	(110)	(135)
Other current assets	(73)	(87)	(101)
Accounts payable	(9)	11	(166)
Accrued taxes	24	4	36
Other current liabilities	149	(33)	118
Derivative assets and liabilities, net	(86)	730	(43)
Regulatory assets and liabilities, net	34	(1,428)	278
Other assets	(54)	(180)	(10)
Other liabilities	(13)	693	(206)
Net cash provided by operating activities	4,086	3,261	3,386
Cash flows from financing activities:			
Long-term debt issued	395	896	1,135
Long-term debt issuance costs	(4)	(9)	(16)
Long-term debt repaid	(6)	(14)	(259)
Bonds purchased	—	(86)	—
Preference stock issued, net	804	123	—
Preference stock redeemed	(75)	—	—
Short-term debt financing, net	(250)	419	—
Settlements of stock-based compensation, net	(57)	(10)	(5)
Dividends paid	(551)	(520)	(352)
Net cash provided by financing activities	256	799	503
Cash flows from investing activities:			
Capital expenditures	(4,149)	(4,122)	(3,780)
Proceeds from sale of nuclear decommissioning trust investments	2,122	2,773	1,432
Purchases of nuclear decommissioning trust investments and other	(2,337)	(2,940)	(1,651)
Customer advances for construction and other investments	10	29	(3)
Effect of deconsolidation of variable interest entities	—	—	(92)
Net cash used by investing activities	(4,354)	(4,260)	(4,094)
Net decrease in cash and cash equivalents	(12)	(200)	(205)
Cash and cash equivalents, beginning of year	57	257	462
Cash and cash equivalents, end of year	$ 45	$ 57	$ 257

The accompanying notes are an integral part of these consolidated financial statements.

(in millions)	Equity Attributable to SCE						
	Common Stock	Additional Paid-in Capital	Accumulated Other Comprehensive Income (Loss)	Retained Earnings	Preferred and Preference Stock	Noncontrolling Interests	Total Equity
Balance at December 31, 2009	$ 2,168	$ 551	$ (19)	$ 4,746	$ 920	$ 349	$ 8,715
Net income	—	—	—	1,092	—	—	1,092
Other comprehensive loss	—	—	(6)	—	—	—	(6)
Deconsolidation of variable interest entities	—	—	—	—	—	(349)	(349)
Dividends declared on common stock	—	—	—	(200)	—	—	(200)
Dividends declared on preferred and preference stock	—	—	—	(52)	—	—	(52)
Stock-based compensation and other	—	4	—	(9)	—	—	(5)
Noncash stock-based compensation and other	—	17	—	(5)	—	—	12
Balance at December 31, 2010	$ 2,168	$ 572	$ (25)	$ 5,572	$ 920	$ —	$ 9,207
Net income	—	—	—	1,144	—	—	1,144
Other comprehensive income	—	—	1	—	—	—	1
Dividends declared on common stock	—	—	—	(461)	—	—	(461)
Dividends declared on preferred and preference stock	—	—	—	(59)	—	—	(59)
Stock-based compensation and other	—	11	—	(21)	—	—	(10)
Noncash stock-based compensation and other	—	15	—	(2)	—	—	13
Issuance of preference stock	—	(2)	—	—	125	—	123
Balance at December 31, 2011	$ 2,168	$ 596	$ (24)	$ 6,173	$ 1,045	$ —	$ 9,958
Net income	—	—	—	1,660	—	—	1,660
Other comprehensive loss	—	—	(5)	—	—	—	(5)
Dividends declared on common stock	—	—	—	(469)	—	—	(469)
Dividends declared on preferred and preference stock	—	—	—	(91)	—	—	(91)
Stock-based compensation and other	—	(13)	—	(44)	—	—	(57)
Noncash stock-based compensation and other	—	18	—	—	—	—	18
Issuance of preference stock	—	(21)	—	—	825	—	804
Redemption of preference stock	—	1	—	(1)	(75)	—	(75)
Balance at December 31, 2012	$ 2,168	$ 581	$ (29)	$ 7,228	$ 1,795	$ —	$ 11,743

The accompanying notes are an integral part of these consolidated financial statements.

pwc

Report of Independent Accountants

To the Board of Directors of
Southern California Edison Company

We have performed the procedures included in the California Code of Regulations Title 22, Division 4.5, Chapters 14 and 15, Article 8, which were agreed to by the Department of Toxic Substances Control of the State of California and Southern California Edison Company, solely to assist the specified parties in evaluating Southern California Edison Company's compliance with the financial test option as of December 31, 2012, included in the accompanying letter dated March 28, 2013 from Linda G. Sullivan, Senior Vice President and Chief Financial Officer of Southern California Edison Company. Management is responsible for Southern California Edison Company's compliance with those requirements. This agreed-upon procedures engagement was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants. The sufficiency of these procedures is solely the responsibility of the parties specified in this report. Consequently, we make no representation regarding the sufficiency of the procedures described below either for the purpose for which this report has been requested or for any other purpose.

We performed the following procedures:

We compared the information included in items 7, 8 and 11 under the caption "Part B, Alternative II" in the letter referred to above to the audited consolidated financial statements of Southern California Edison Company as of and for the year ended December 31, 2012, on which we have issued our report dated February 26, 2013, and found such information to be in agreement.

The term "in agreement", for these purposes, indicated that no matters came to our attention to indicate that the referenced amounts or information did not agree to amounts included in, or derived from, the audited financial statements referred to above.

We were not engaged to and did not conduct an examination, the objective of which would be the expression of an opinion on the accompanying letter dated March 28, 2013. Accordingly, we do not express such an opinion. Had we performed additional procedures, other matters might have come to our attention that would have been reported to you.

This report is intended solely for the information and use of the board of directors and management of Southern California Edison Company and the Department of Toxic Substances Control of the State of California, and is not intended to be and should not be used by anyone other than these specified parties.

PricewaterhouseCoopers LLP

PricewaterhouseCoopers LLP
March 28, 2013

PricewaterhouseCoopers LLP, 350 South Grand Avenue, Los Angeles, CA 90071
T: (213) 356 6000, F: (813) 637 4444, www.pwc.com/us

Southern California Edison Company
Tangible Net Worth
As of December 31, 2012

(In millions)		
Total assets	$44,034	2012 financial statements filed in Form 10-K, page 64.
Less: Liabilities	32,291	2012 financial statements filed in Form 10-K, page 65.
Total equity	11,743	
Less: Noncontrolling interests	0	
Equity attributable to Southern California Edison	11,743	
Less: Intangible assets	(1,048)	See below
Tangible net worth	$10,695	

Intangible assets details: (Actual dollars)

Within Utility property, plant and equipment		
Intangible plant	1,572,816,217	SAP account 1251010
Intangilbe plant not classified	116,137,144	SAP account 1253010
Nuc Intang Plt - Contra	(699,295)	SAP account 1253023 - Amts reclassed to regulatory assets
Accum amort for intangible plant	(699,907,940)	SAP account 1256110, 115, 120, 125, 130 , 135, 140 and 145
	988,346,126	
Within Other current assets		
REC Inventory	2,379,850	SAP account 1171030
Current portion Reclaimed Trading Credit (RTC)	791,266	SAP account 1181040
GHG Allowance Inventory	40,871,694	SAP account 1181045
Prepaid trnsln license - Morongo	1,054,375	SAP account 1160095
	45,097,185	
Within Other long-term assets		
Prepaid software license	6,348,471	SAP account 1165010
LT portion RTC	7,816,566	SAP account 1185040
	14,165,037	
Total intangible assets	1,047,608,348	

Inventories, Bi-Monthlies and Review Surveys for Comment, Revision, Suspension	
Current	**Proposed**
BM06 HPI Non-Conformance Review	Monthly - Ask HPI for recommendation
M017 Chemistry Lab	Quarterly or Bi-annual
M023 Bioassay Supervisory Review	**Suspend** - Procedure requires reviews by WBC performer. Sewell schedule and perform periodic approvals
I007 Monthly Key Log Review	**Suspend** - Carey own schedule for periodic reviews
I008 Monthly Vacuum	**Suspend** unless ??? Not sure of their current status
I009 Monthly SYF Emergency Vehicle	Quarterly or within 14 days after drill or use
I010 Monthly AWS Emergency Vehicle	Quarterly or within 14 days after drill or use
I015 RP Supply Cabinets In the RB Building	**Suspend** (I014 already suspended for PE, FH, SB)
I016 Permanent Shielding Inventory (Annual)	**Suspend** (Assign to Ahola to determine and perform periodic tracking)
I019 Air Sample Review	**Suspend** - Carey, Collins, Sewell determine and perform periodic reviews

ANNUAL Surveys for Comment, Revision, Suspension	
A005, Review Clean Area Contaminations Trends	**Suspend in IHPS** – Ahola schedule and perform
A008, AWS Bldg	**Suspend** – Monthly OSL replacement monitors buildings and perimeters
A011, Annual review of IHPS RADKEY Admin Sections (Qualifications and authorizations for LHRA)	**Suspend in IHPS -** Combine with requirements of I007 Monthly Key Log Review and Carey to schedule and perform
A012, IADC/Individual RCA Entry Control, Deactivation Review	**Suspend in IHPS** – Sewell to schedule and perform, requires authorization and rarely needed now
A014, RP Signature Verification Logbook	**Suspend in IHPS** – Carey to schedule and perform
A016, Annual ALARA Report due 3/31 each year	**Suspend in IHPS** - Ahola schedule and perform per SO123-XV-85?
A017, (recently revised) U2/3 Radwaste Rooms Infrequently Entered, or Abandoned in Place, or With No Current or Historical Radiological Hazards	Could easily replace Q015, 016, 017
A018, U2 FHB, PEN, & SEB Clean Areas (Includes CCW -2' & 8', non-RCA)	**Suspend or revise Plot Plans**- Monitored by other surveys and monthly compliance an housekeeping
A019, U3 FHB, PEN, & SEB Clean Areas (Includes CCW -2' & 8', non-RCA)	**Suspend or revise Plot Plans**- Monitored by other surveys and monthly compliance an housekeeping
A020, Protected Area (Radiation & Contamination Surveys)	**Suspend** - OSLs monitor perimeter, Gamma 60s, less work activities and no recent issues
A021, Control Building and Plant Access (Includes, 30' & 70' access, HPI Room 105 upper and lower, 9'/30'/50'/70' Control Bldg & TSC	**Suspend** - OSLs monitor perimeter, Gamma 60s, less work activities and no recent issues
A024, SYF Non-RCA	**Suspend ???**
A026, U2/3 PEN. SEB, FHB & CB Roofs	**Suspend** – Monitored release paths, no changes

SOUTHERN CALIFORNIA
EDISON®
An EDISON INTERNATIONAL® Company

January 18, 2013

Ms. Jenny Barnes
Department of Toxic Substances Control
Financial Responsibility Unit
8800 Cal Center Drive
Sacramento, California 95826-3200

SUBJECT: Annual Closure Cost Estimate

Dear Ms. Barnes

Enclosed is the annual closure cost estimate for Southern California Edison, San Onofre Nuclear Generating Station. An annual inflation factor of 1.01734% was included in the calculations.

If you have any questions, please contact Brian Metz at (949) 368-3849.

Sincerely,

Mary Jane Johnson
Manager, Site Support Services

Enclosure(s): Closure Cost Estimate
Closure Cost Estimate Certification

cc: A. Galdamez (DTSC)
B. Rikala (DTSC)
C. Leonard
T. L. Roberts (CESC)
S. L. Marsh
A. S. Martinez
B. D. Metz
T. Howard
IDB/CDM

TABLE 4
CLOSURE COST ESTIMATE

Step #	Closure Activity		Cost Estimate
1	Notify DTSC		$ 0
2	Remove All Stored Wastes		
	Manpower (40 man hours @ $50/hr)	$ 2,000	
	Transport / dispose:		
	1000 55-gallon containers mixed waste @ $65/gallon	$ 3,575,000	
	25 Boxes @ $20,282	$507,050	
	50 30-gallon containers mixed waste @ $65/gallon	$ 97,500	
	50 5-gallon containers mixed waste @ $65/gallon	$ 16,250	$4,197,800
	(See Notes 1 & 2)		
3	Sweep / Vacuum Pad		
	Manpower (8 man hours @ $50/hr)	$ 400	$ 400
4	Decontaminate Tank, Pads and Sumps (if required)		
	Rent one (1) 4,000 gallon Portable Tank / Containment (1 mo)	$ 1,000	
	Rent Vacuum Truck (10 hours @ $90/hr)	$ 900	
	Manpower (160 man hours @ $50/hr)	$ 8,000	
	Decontaminate Analytical Costs:		
	4 Concrete Samples @ $500/sample	$ 2,000	
	4 Soil Samples @ $750/sample	$ 3,000	
	1 Rinse Water Sample @ $500	$ 500	
	Transport / Dispose		
	800 Gallons Decontamination Solution @ $65/gal	$ 52,000	
	100 Tons Soil / Concrete (13 boxes) @ $5,122/box	$ 66,586	$ 133,986
	See notes 3 & 4		
5 / 6	Confirmation Sampling / Analysis (Concrete/Soil)		
	Manpower for Sampling (16 man hours @ $50/hr)	$ 800	
	Equipment Rentals	$ 400	
	Analytical Costs:		
	7 Concrete Samples @ $500/sample	$ 3,500	
	21 Soil Samples @ $750/sample	$15,750	
	1 Rinse Water Sample @ $500	$ 500	$ 20,950
7	Certify Closure / Develop Report		$ 2,000
	Project Management		$ 5,000
		SUBTOTAL	$ 4,360,136
	Implicit Price Deflator (Gross National Product) Previous Year=s (starting w/ 1997)		$ 1,373,835
	Inflation Factor Current Year 2013 (115.810 / 113.836 = 1.01734)*		$ 99,427
	10% Contingency		$ 583,340
		TOTAL	$ 6,416,738

Note 1: Costs are based on best guess using industry experience from other facilities.

Note 2: Some waste may not have a disposal facility.

Note 3: It has been conservatively assumed that the concrete samples will be analytically determined to be radioactive/hazardous and the removal and offsite disposal of the containment area will be necessary. The top 1/8" to 3" of the concrete will be decontaminated using CO_2 decontamination procedures. The uncontaminated concrete will be excavated and transported to an out-of-state landfill.

Note 4: Decontamination of conditionally authorized Unit (OCA-6) mixed waste processing tank is less than $10,000, but is incorporated in this closure cost estimate. (Actual cost $2,111).

*Based on www.bea.gov (US Dept. of Commerces Bureau of Economic Analysis).

Southern California Edison Co.
San Onofre Nuclear Generating Station
CAD000630921

CLOSURE PLAN

CLOSURE PLAN DATE: 2023

UPDATED: January 18, 2013

OWNER / OPERATER SIGNATURES AND CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Mary Jane Johnson 1/18/13
Date

CONSOLIDATED CLOSURE COST ESTIMATE
SCE GENERATING STATION RETENTION BASINS

(February 2013)

STATION	CLOSURE COST ESTIMATE
Alamitos Generating Station	$3,082,000
Cool Water Generating Station	$220,000
El Segundo Generating Station	$4,977,000
Etiwanda Generating Station	$360,000
Highgrove Generating Station	$25,000
Huntington Beach Generating Station	$1,956,000
Long Beach Generating Station	$305,000
Mandalay Generating Station	
Closure Activities	$451,000
Post-Closure Activities	$787,000
Ormond Beach Generating Station	$1,307,000
San Bernardino Generating Station	Closed
TOTAL	$13,470,000

CLOSURE COST ESTIMATE
Alamitos Generating Station
(February 2013)

STEP #	CLOSURE ACTIVITY	COST ESTIMATE
1	CLOSURE ACTIVITIES	
	Soil Vapor Survey	$60,000
	Piping & Appurtenances Soil Investigation	$110,000
	Structure Decontamination & Confirmation Sampling	$5,000
	DTSC Oversight	$25,000
2	REMEDIATION PLANNING	
	Risk Assessment/Cleanup Standards Determination	$51,000
	Remedial Implementation Plan	$78,000
	DTSC Oversight	$20,000
3	SOIL REMEDIATION	
	Liner Removal & Repair, Oversight/Monitoring/Sampling Labor, Mobilization & Demobilization, Excavation & Stockpile, Waste Characterization, Confirmation Soil Samples, Backfill & Compaction, Transportation & Waste Disposal (est. 8,000 tons)	
	Central Basin	$570,000
	Remediation Statistical Support	$31,000
	DTSC Oversight	$50,000
4	GROUNDWATER REMEDIATION	
	In-Situ Chemical Oxidation	
	Work Plan	$25,000
	Permitting	$15,000
	Phase 1 Injection	$400,000
	Phase 2 Injection	$200,000
	Monitoring (12 months)	$50,000
	DTSC Oversight	$20,000
5	CLOSURE CERTIFICATION REPORT	
	Report Preparation	$51,000
	DTSC Oversight	$20,000
6	GROUNDWATER MONITORING	
	2013	$116,000
	2014	$116,000
	2015	$116,000
	2016	$116,000
	2017	$35,000
	2018	$35,000
	2019	$35,000
	DTSC Oversight	$12,000
7	RCRA Facility Investigation	$400,000
	DTSC Oversight	$40,000
	SUBTOTAL	$2,802,000
8	CONTINGENCY (~10%)	$280,000
	TOTAL	$3,082,000

CLOSURE COST ESTIMATE
Cool Water Generating Station
(February 2013)

STEP #	CLOSURE ACTIVITY	COST ESTIMATE
1	CLOSURE PLAN PREPARATION	
	Site Investigation	$50,000
	Draft Plan Preparation	$20,000
	Statistical Analysis and Risk Assessment Report	$20,000
	DTSC Oversight	$25,000
2	CLOSURE ACTIVITIES	
	Structure Decontamination & Confirmation Sampling	$25,000
3	CLOSURE CERTIFICATION REPORT	
	Report Preparation	$50,000
	DTSC Oversight	$10,000
	SUBTOTAL	$200,000
4	CONTINGENCY (~10%)	$20,000
	TOTAL	$220,000

CLOSURE COST ESTIMATE
El Segundo Generating Station
(February 2013)

STEP #	CLOSURE ACTIVITY	COST ESTIMATE
1	CLOSURE ACTIVITIES	
	Structure Decontamination & Confirmation Sampling	$5,000
	Chevron Soil Vapor/TPH/PAH Investigation	$22,000
	DTSC Oversight	$3,000
2	REMEDIATION PLANNING	
	Risk Assessment/Cleanup Standards Determination	$51,000
	Remedial Implementation Plan	$78,000
	DTSC Oversight	$20,000
3	SOIL REMEDIATION	
	Retention Basin/BCCB	
	Work Plan, asphalt & liner removal & replacement, soil removal, confirmation sampling, soil replacement, and waste disposal	$3,175,000
	Pipeline	
	Work Plan, soil removal, profiling, disposal, backfill, and asphalt repair	$235,000
	Waste Trench	
	Soil investigation, remedial Work Plan, soil removal, profiling, disposal, backfill, and repair asphalt	$281,000
4	CLOSURE CERTIFICATION REPORT	
	Report Preparation	$50,000
	DTSC Oversight	$20,000
5	GROUNDWATER MONITORING	
	2013	$60,000
	2014	$60,000
	2015	$60,000
	2016	$60,000
	2017	$60,000
	DTSC Oversight	$10,000
6	RCRA Facility Investigation	$250,000
	DTSC Oversight	$25,000
	SUBTOTAL	$4,525,000
7	CONTINGENCY (~10%)	$452,000
	TOTAL	$4,977,000

CLOSURE COST ESTIMATE
Etiwanda Generating Station
(February 2013)

STEP #	CLOSURE ACTIVITY	COST ESTIMATE
1	CLOSURE ACTIVITIES Well Abandonment DTSC Oversight	 $50,000 $2,000
2	RCRA Facility Investigation DTSC Oversight	$250,000 $25,000
	SUBTOTAL	$327,000
3	CONTINGENCY (~10%)	$33,000
	TOTAL	$360,000

CLOSURE COST ESTIMATE
Highgrove Generating Station
(February 2013)

STEP #	CLOSURE ACTIVITY	COST ESTIMATE
1	FINAL SITE CLOSURE ACTIVITIES	$25,000
	TOTAL	$25,000

CLOSURE COST ESTIMATE
Huntington Beach Generating Station
(February 2013)

STEP #	CLOSURE ACTIVITY	COST ESTIMATE
1	CLOSURE PLAN PREPARATION	
	Public Participation Activities	$25,000
	DTSC Oversight	$15,000
2	CLOSURE ACTIVITIES	
	Soil Vapor Survey, Basin Boundary, Piping & Appurtenances Soil Investigation	$250,000
	Structure Decontamination & Confirmation Sampling	$25,000
	DTSC Oversight	$25,000
3	REMEDIATION PLANNING	
	Risk Assessment/Cleanup Standards Determination	$51,000
	Remedial Implementation Plan	$78,000
	DTSC Oversight	$20,000
4	SOIL REMEDIATION	
	Retention Basin	
	Work Plan, liner removal & replacement, soil removal, confirmation sampling, soil replacement, and waste disposal	$165,000
	DTSC Review	$30,000
3	GROUNDWATER REMEDIATION	
	In-Situ Chemical Oxidation	
	Work Plan	$25,000
	Permitting	$15,000
	Phase 1 Injection	$200,000
	Phase 2 Injection	$100,000
	Monitoring (12 months)	$40,000
	DTSC Oversight	$20,000
4	CLOSURE CERTIFICATION REPORT	
	Report Preparation	$50,000
	DTSC Oversight	$20,000
5	GROUNDWATER MONITORING	
	2013	$51,000
	2014	$51,000
	2015	$51,000
	2016	$51,000
	2017	$25,000
	2018	$25,000
	2019	$25,000
	DTSC Oversight	10,000
6	RCRA Facility Investigation	$300,000
	DTSC Oversight	$35,000
	SUBTOTAL	$1,778,000
7	CONTINGENCY (~10%)	$178,000
	TOTAL	$1,956,000

CLOSURE COST ESTIMATE
Long Beach Generating Station
(February 2013)

STEP #	CLOSURE ACTIVITY	COST ESTIMATE
1	RCRA Facility Investigation DTSC Oversight	$250,000 $25,000
	SUBTOTAL	275,000$
2	CONTINGENCY (~10%)	$30,000
	TOTAL	$305,000

CLOSURE COST ESTIMATE
Mandalay Generating Station
(February 2013)

STEP #	CLOSURE ACTIVITY	COST ESTIMATE
1	CLOSURE CERTIFICATION REPORT/POST-CLOSURE PLAN	
	Report Preparation	$50,000
	Land Use Covenant/Groundwater Management Plan	$30,000
	Post-Closure Monitoring Wells	$30,000
	DTSC Oversight	$25,000
2	RCRA Facility Investigation	$250,000
	DTSC Oversight	$25,000
	SUBTOTAL	$410,000
	CONTINGENCY (~10%)	$41,000
	CLOSURE ACTIVITY TOTAL	$451,000
STEP #	POST-CLOSURE ACTIVITY	
1	GROUNDWATER MONITORING	
	2013	$65,000
	2014	$30,000
	2015	$20,000
	2016	$20,000
	2017	$20,000
	2018-2043 (assume $20,000/yr. for 25 yrs.)	$500,000
	DTSC Post-Closure Oversight (30 years)	$60,000
	SUBTOTAL	$715,000
5	CONTINGENCY (~10%)	$72,000
	POST-CLOSURE ACTIVITY TOTAL	$787,000

CLOSURE COST ESTIMATE
Ormond Beach Generating Station
(February 2013)

STEP #	CLOSURE ACTIVITY	COST ESTIMATE
1	GROUNDWATER REMEDIATION	
	Operation & Maintenance	
	Carbon Change-outs (12 events @ $3,000)	$36,000
	Operation & Maintenance ($4,000/month)	$96,000
	Sampling, Analysis & Reporting ($3,000/month)	
	DTSC Oversight	$72,000
		$10,000
2	REMEDIATION PLANNING	
	Risk Assessment/Cleanup Standards Determination	$51,000
	Remedial Implementation Plan	$78,000
	DTSC Oversight	$20,000
3	SOIL REMEDIATION	
	Piping	
	Work Plan, soil removal, confirmation sampling, soil replacement, asphalt replacement, and waste disposal	$110,000
	DTSC Review	$25,000
4	CLOSURE CERTIFICATION REPORT	
	Report Preparation	$50,000
	DTSC Oversight	$20,000
5	GROUNDWATER MONITORING	
	2013	$65,000
	2014	$65,000
	2015	$65,000
	2016	$65,000
	2017	$65,000
	DTSC Oversight	$20,000
6	RCRA Facility Investigation	$250,000
	DTSC Oversight	$25,000
	SUBTOTAL	$1,188,000
7	CONTINGENCY (~10%)	$119,000
	TOTAL	$1,307,000

CLOSURE COST ESTIMATE
San Bernardino Generating Station
(February 2013)

STEP #	CLOSURE ACTIVITY	COST ESTIMATE
1	SITE CLOSED	$0
	TOTAL	$0

Linda S. Adams
Secretary for
Environmental Protection

Department of Toxic Substances Control

Maureen F. Gorsen, Director
700 Heinz Avenue
Suite 200
Berkeley, California 94710-2721

Arnold Schwarzenegge
Governor

RECEIVED
APR - 7 2008
T. M. NOONAN

RECEIVED
APR - 8 2008
R. M. ROSENBLUM

April 04, 2008

CERTIFIED MAIL

Mr. Thomas Noonan
Southern California Edison Company
2244 Walnut Grove Avenue
Rosemead, California 91770

FINANCIAL TEST FOR SAN ONOFRE GENERATING STATION

Dear Mr. Noonan:

This is to notify you that the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) has received the Financial Test for Closure/Post Closure and Liability for the above facilities as required under Title 22, California Code of Regulations, Article 8.

The adequacy of your Financial Test will be evaluated when this/these facility/facilities are next scheduled for review by the Enforcement and Emergency Response Program.

Although your Financial Test may not be reviewed at this time for compliance with the regulations, this does not in any way relieve you of your responsibility for ensuring at all times that the above facility/facilities fully meet the requirements of Title 22, California Code of Regulations, Article 8.

If you have any questions, please feel free to contact me at (510) 540-3893.

Sincerely,

Marvel

Marvél Bradshaw
Financial Assurance Analyst
Enforcement and Emergency Response Program
Northern California Branch

Certified Mail No.: 7007 0710 0004 5081 0558

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SOUTHERN CALIFORNIA
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March 28, 2008

Ms. Charlene Williams
Northern California Branch Chief
Statewide Compliance Division
Department of Toxic Substances Control
700 Heinz Ave., Building F, Suite 200
Berkeley, California 94710

Mr. James J. Grace
Staff Counsel
Department of Toxic Substances Control
1001 "I" Street, 23rd Floor
P.O. Box 806
Sacramento, CA 95812-0806

Re: **Southern California Edison**
San Onofre Nuclear Generating Station
Financial Assurance Consent Order
Docket Number HWCA 20020097

Dear Ms. Williams and Mr. Grace:

Southern California Edison Company (SCE) is submitting the attached documentation for use of the "Financial Test" as outlined in the above-referenced Consent Order.

Should you have any questions or require additional information, please contact me directly at (626) 302-9711.

Sincerely,

S. T. Marsh Jr.

Stanley Marsh
Senior Environmental Specialist

Attachment

Cc: Marvel Bradshaw
Department of Toxic Substances Control
700 Heinz Avenue, Suite 200
Berkeley, California 94710-2721

Bcc: MaryJane Johnson
Robert Heckler
Brian Metz
John Butler
Anyi Chang
Ron Jensen
Joe Stambersky
Richard Tom

SOUTHERN CALIFORNIA
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LETTER FROM CHIEF FINANCIAL OFFICER

Department of Toxic Substances Control
Financial Responsibility Section
8800 Cal Center Drive
Sacramento, California 95826

I am the chief financial officer of Southern California Edison Company located at 2244 Walnut Grove Avenue, Rosemead, California, 91770. This letter is in support of the use of the financial test to demonstrate financial responsibility for liability coverage and closure care as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8.

The firm identified above is the owner or operator of the following facility/TTU for which liability coverage for sudden accidental occurrences is being demonstrated through the financial test specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, sections 66264.147 and 66265.147:

Facility	Location	EPA I.D. No.	Current Liability Coverage
San Onofre Nuclear Generating Station Mixed Waste Storage Area	5000 Pacific Coast Hwy San Clemente, CA 92672	CAD000630921	$2M

The firm identified above guarantees, through the guarantee specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, sections 66264.147 and 66265.147, liability coverage for sudden accidental occurrences at the following facility/TTU owned or operated by the following:

None

The firm identified above is the direct or higher tier parent corporation of the owner or operator.

None

1. The firm identified above is the direct or higher tier parent corporation of the owner or operator of the following facilities/TTUs for which financial assurance for closure and/or postclosure or liability coverage is demonstrated through the financial test as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, section 66264.143, subsection (f), section 66264.145, subsection (f), section 66265.143, subsection (e), and section 66265.145, subsection (e). The current closure and/or post-closure cost estimates covered by the test are shown for each facility/TTU:

Facility Name and Address	Closure Cost Estimate	Postclosure Cost Estimate
San Onofre Nuclear Generating Station 5000 Pacific Coast Highway San Clemente, CA 92672	$ 5,724,243	None

2. The firm identified above guarantees through the guarantee as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, section 66264.143, subsection (f), section 66264.145, subsection (f), section 66265.143, subsection (e), and section 66265.145, subsection (e), the closure and/or postclosure care or liability coverage of the following facilities/TTUs owned or operated by the guaranteed party. The current cost estimates for the closure or postclosure care so guaranteed are shown for each facility/TTU:

None

3. In states where the U.S. Environmental Protection Agency is not administering the financial requirements of subpart H of title 40 CFR parts 264 and 265, this firm as owner, operator or guarantor is demonstrating financial assurance for the closure or postclosure care of the following facilities/TTUs through the use of a financial test equivalent or substantially equivalent to the financial test specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, section 66264.143, subsection (f), section 66264.145, subsection (f), section 66265.143, subsection (e), and section 66265.145, subsection (e). The current closure and/or postclosure cost estimates covered by such a test are shown for each facility/TTU:

None

4. The firm identified above is the owner or operator of the following facilities/TTUs for which financial assurance for closure or, if a disposal facility, postclosure care, is not demonstrated either to U.S. Environmental Protection Agency or a State through the financial test or any other financial assurance mechanism as specified in California Code of Regulations, title 22, division 4.5, chapters 14 and 15, article 8 or equivalent or substantially equivalent State mechanisms. The current closure and/or postclosure cost estimates not covered by such financial assurance are shown for each facility/TTU:

None

5. The firm is the owner or operator or guarantor of the following Underground Injection Control facilities for which financial assurance for plugging and abandonment is required under 40 CFR part 144 and is assured through a financial test. The current closure cost estimates as specified in 40 CFR144.62 are shown for each facility:

None

The firm is required to file a form 10-K with the Securities and Exchange Commission (SEC) for the latest fiscal year.

The fiscal year of this firm ends on December 31. The figures for the following items marked with an asterisk are derived from this firm's independently audited, year-end financial statements for the latest completed fiscal year, ended December 31, 2007.

This firm is using Part B, Alternative II for Closure or Postclosure Care and Liability Coverage.

PART B

ALTERNATIVE II

1. .... Sum of current closure and postclosure cost estimates (Total of all cost estimates shown in the paragraphs of the letter to the Director of the Department of Toxic Substances Control) .....$ 5,724,243

2. .... Amount of annual aggregate liability coverage to be demonstrated.... $ 2,000,000

3. .... Sum of lines 1 and 2.....$ 7,724,243

4. Current bond rating of most recent issuance and name of rating service:
..... Moody's – A3, S&P – BBB+

5. .... Date of issuance of bond.....None

6 ..... Date of maturity of bond.....None

*7. ..... Tangible net worth (if any portion of the closure and post closure cost estimates is included in "total liabilities" on your firm's financial statements, you may add the amount of that portion to this line.) $ 6,817,000,000

*8. ..... Total assets in the United States (required only if less than 90 percent of firm's assets are located in the United States). ..... $ N/A

9. .... Is line 7 at least $10 million?.....☒ Yes ☐ No

10. ..... Is line 7 at least 6 times line 3?.....☒ Yes ☐ No

*11..... Are at least 90 percent of the firm's assets located in the United States? If not, complete line 12.....☒ Yes ☐ No

12. ..... Is line 8 at least 6 times line 3?.....☒ Yes ☐ No

..... I hereby certify that the wording of this letter is identical to the wording as specified in California Code of Regulations, title 22, section 66264.151, subsection (g) and is being executed in accordance with the requirements of California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8.

Signature

Date: 3/28/08

THOMAS M. NOONAN
Senior Vice President and Chief Financial Officer

SOUTHERN CALIFORNIA
EDISON®
An EDISON INTERNATIONAL® Company

CORPORATE GUARANTEE FOR CLOSURE OR POSTCLOSURE CARE

Department of Toxic Substances Control
Financial Responsibility Section
8800 Cal Center Drive
Sacramento, California 95826

Guarantee made this March 28, 2008 by Southern California Edison Company, a business corporation organized under the laws of the State of California, herein referred to as guarantor, to the Department of Toxic Substances Control (DTSC), obligee, on behalf of our subsidiary San Onofre Nuclear Generating Station, at 5000 Pacific Coast Highway California 92672.

This guarantee is made on behalf of the San Onofre Nuclear Generating Station, which is our subsidiary, to the DTSC.

RECITALS

1. Guarantor meets or exceeds the financial test criteria and agrees to comply with the reporting requirements for guarantors as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, section 66264.143, subsection (f), section 66264.145, subsection (f), section 66265.143, subsection (e), and section 66265.145, subsection (e).

2. San Onofre Nuclear Generating Station owns at least 50 percent of the voting stock of and/or operates the following hazardous waste management facility(ies)/transportable treatment unit(s) (TTU) covered by this guarantee:

Facility Name and Address	EPA ID Number	Closure Cost Estimate	Post-Closure Cost Estimate
San Onofre Nuclear Generating Station 5000 Pacific Coast Highway, San Clemente CA 92672 Mixed Waste Storage Area	CAD000630921	$5,724,243	None

3. "Closure plans" and postclosure plans" as used below refer to the plans maintained as required by California Code of Regulations, title 22, division 4.5, chapters 14 and 15, article 7, for the closure and postclosure care of facilities/TTU(s) as identified above.

4. For value received from San Onofre Nuclear Generating Station, Guarantor guarantees to DTSC that in the event that San Onofre Nuclear Generating Station fails to perform closure care of the above facility(ies)/TTUs in accordance with the closure of postclosure plans and other permit or interim status requirements whenever required to do so, the guarantor shall do so or establish a trust fund as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, as applicable, in the name of San Onofre Nuclear Generating Station in the amount of the current closure or postclosure

cost estimates as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8.

5. Guarantor agrees that if, at any time during or at the end of any fiscal year before the termination of this guarantee, the guarantor fails to meet the financial test criteria, guarantor shall send within 90 days, by certified mail, notice to DTSC and to San Onofre Nuclear Generating Station that he or she intends to provide alternate financial assurance as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8 as applicable, in the named of San Onofre Nuclear Generating Station. Within 120 days after the end of such fiscal year or other occurrence, the guarantor shall establish such alternate financial assurance unless San Onofre Nuclear Generating Station has done so.

6. The guarantor agrees to notify DTSC by certified mail of a voluntary or involuntary proceeding under Title 11 (Bankruptcy), United State Code, naming guarantor as debtor within ten (10) days after commencement of the proceeding.

7. Guarantor agrees that within 30 days after being notified by DTSC of a determination that guarantor no longer meets the financial test criteria or that he or she is disallowed from continuing as a guarantor of closure or postclosure care, he or she shall establish alternate financial assurance as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, as applicable, in the name of San Onofre Nuclear Generating Station unless San Onofre Nuclear Generating Station has done so.

8. Guarantor agrees to remain bound under this guarantee notwithstanding any or all of the following: amendment or modification of the closure or postclosure plan, amendment or modification of the permit, the extension or reduction of the time of performance of closure or postclosure, or any other modification or alteration of an obligation of the owner of operator pursuant to California Code of Regulations, title 22, division 4.5.

9. Guarantor agrees to remain bound under this guarantee for as long as San Onofre Nuclear Generating Station shall comply with the applicable financial assurance requirements of California Code of Regulations, title 22, division 4.5 for the above listed facilities/TTUs, except as provided in paragraph 10 of this agreement.

10. Guarantor may terminate this guarantee 120 days following the receipt of notification, through either registered of certified mail, by DTSC and by San Onofre Nuclear Generating Station.

11. Guarantor agrees that if San Onofre Nuclear Generating Station fails to provide alternate financial assurance as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, as applicable, and obtain written approval of such assurance from DTSC within 90 days after a notice of cancellation by the guarantor is received by DTSC from guarantor, guarantor shall provide such alternate financial assurance in the name of San Onofre Nuclear Generating Station.

12. Guarantor expressly waives notice of acceptance of this guarantee by DTSC or by San Onofre Nuclear Generating Station. Guarantor also expressly waives notice of amendments or modifications of the closure and/or postclosure plan and of amendments or modifications of the facility/TTU permit(s).

The parties hereby certify that the wording of this guarantee is identical to the wording specified in California Code of Regulations, title 22, section 66264.151, subsection (h)(1) and is being executed in accordance with the requirements of California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8.

Effective date: 3/28/2008

Southern California Edison

Signature

THOMAS M. NOONAN
Senior Vice President and Chief Financial Officer

Signature of witness or notary:

CAROLYN GOING
Commission # 1703053
Notary Public - California
Los Angeles County
My Comm. Expires Nov 4, 2010

SOUTHERN CALIFORNIA
EDISON®
An EDISON INTERNATIONAL® Company

GUARANTEE FOR LIABILITY COVERAGE

Department of Toxic Substances Control
Financial Responsibility Section
8800 Cal Center Drive
Sacramento, California 95826

Guarantee made this March 28, 2008 by Southern California Edison Company a business corporation organized under the laws of the State of California, herein referred to a guarantor. This guarantee is made on behalf of San Onofre Nuclear Generating Station, at 5000 Pacific Coast Highway, San Clemente, California 92672, which is our subsidiary to any and all third parties who have sustained or may sustain bodily injury or property damage caused by sudden accidental occurrences arising from operation of the facility(ies)/transportable treatment unit(s) (TTU) covered by this guarantee.

RECITALS

1. Guarantor meets or exceeds the financial test criteria and agrees to comply with the reporting requirements for guarantors as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, sections 66264.147 and 66265.147.

2. San Onofre Nuclear Generating Station owns or operates the following hazardous waste management facility(ies)/TTU(s) covered by this guarantee:

EPA Identification Number:	CAD000630921
Name:	San Onofre Nuclear Generating Station Mixed Waste Storage Area
Address:	5000 Pacific Coast Highway San Clemente, California 92672

This corporate guarantee satisfies California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, third-party liability requirements for sudden accidental occurrences in the above-named owner or operator facility(ies)/TTU(s) for coverage in the amount of $1,000,000 per facility/TTU per occurrence and $2,000,000 annual aggregate.

3. For value received from San Onofre Nuclear Generating Station, guarantor guarantees to any and all third parties who have sustained or may sustain bodily injury or property damage caused by sudden accidental occurrences arising from operations of the faciliyties)/TTU(s) covered by this guarantee that in the event that San Onofre Nuclear Generating Station fails to satisfy a judgement or award based on a determination of liability for bodily injury or property damage to third parties caused by sudden accidental occurrences, arising from the operation of the above-named facility(ies)/TTU(s), or fails

to pay an amount agreed to in settlement of a claim arising from or alleged to arise from such injury or damage, the guarantor will satisfy such judgement(s), awards(s), or settlement agreement(s) up to the limits of the coverage identified above.

4. Such obligation does not apply to the following:

(a) Bodily injury or property damage for which San Onofre Nuclear Generating Station is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages that San Onofre Nuclear Generating Station would be obligated to pay in the absence of the contract or agreement.

(b) Any obligation of San Onofre Nuclear Generating Station under a workers' compensation, disability benefits, or unemployment compensation law or any similar laws.

(c) Bodily injury to:

(1) An employee of San Onofre Nuclear Generating Station arising from, and in the course of, employment by San Onofre Nuclear Generating Station; or

(2) The spouse, child, parent, brother, or sister of that employee as a consequence of, or arising from, and in the course of employment by San Onofre Nuclear Generating Station. This exclusion applies:

(A) Whether San Onofre Nuclear Generating Station may be liable as an employer or in any other capacity; and

(B) To any obligation to share damages with or repay another person who shall pay damages because of the injury to persons identified in paragraphs (A) and (B).

(d) Bodily injury or property, damages arising out of the ownership, maintenance, use, or entrustment to others of any aircraft, motor vehicle, or watercraft.

(e) Property damage to:

(1) Any property owned, rented, or occupied by San Onofre Nuclear Generating Station;

(2) Premises that are sold, given away, or abandoned by San Onofre Nuclear Generating Station if the property damage arises out of any part of those premises;

(3) Property loaned to San Onofre Nuclear Generating Station;

(4) Personal property in the care, custody, or control of San Onofre Nuclear Generating Station;

(5) That particular part of real property on which the San Onofre Nuclear Generating Station or any contractor of subcontractors working directly or indirectly on behalf of the San Onofre Nuclear Generating Station are performing operations, if the property damage arises out of these operations.

5. Guarantor agrees that if, at any time during or at the end of any fiscal year before termination of this guarantee, the guarantor fails to meet the financial test criteria, guarantor shall send within ninety (90) days, by certified mail, notice to the Department of Toxic Substances Control (DTSC) and to San Onofre Nuclear Generating Station that he or she intends to provide alternate liability coverage as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, sections 66264.147 and

66265.147, as applicable, in the name of San Onofre Nuclear Generating Station. Within 90 days after the end of such fiscal year, the guarantor shall establish such liability coverage unless San Onofre Nuclear Generating Station has done so.

6. The guarantor agrees to notify the DTSC by certified mail of a voluntary or involuntary proceeding under Title 11 (Bankruptcy), United States Code, naming guarantor as debtor, within ten (10) days after commencement of the proceedings.

7. Guarantor agrees that within thirty (30) days after being notified by the DTSC of a determination that the guarantor no longer meets the financial test criteria or that he or she is disallowed from continuing as a guarantor, he or she shall establish alternate liability coverage as specified in California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, sections 66264.147 and 66265.147 in the name of San Onofre Nuclear Generating Station, unless the San Onofre Nuclear Generating Station has done so.

8. Guarantor reserves the right to modify this agreement to take into account amendment or modification of the liability requirements set by California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, sections 66264.147 and 66265.147, provided that such modification shall become effective only if DTSC does not disapprove the modification within thirty (30) days of receipt of notification of the modification.

9. Guarantor agrees to remain bound under this guarantee for so long as San Onofre Nuclear Generating Station shall comply with the applicable requirements of California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, sections 66264.147 and 66265.147 for the above-listed facility(ies)/TTU(s), except as provided in paragraph 10 of this agreement.

10. Guarantor may terminate this guarantee by sending notice by certified mail to DTSC, and to San Onofre Nuclear Generating Station, provided that this guarantee may not be terminated unless and until San Onofre Nuclear Generating Station obtains, and DTSC approves alternate liability coverage complying with California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8, sections 66264.147 and 66265.147

11. Guarantor hereby expressly waives notice of acceptance of this guarantee by any party.

12. Guarantor agrees that this guarantee is in addition to and does not affect any other responsibility or liability of the guarantor with respect to the covered facility(ies)/TTU(s).

13. The guarantor shall satisfy a third-party liability claim only on receipt of one of the following documents;

(a) Certification from the Principal and the third-party liability claimant(s) that the liability claim should be paid. The certification shall be worded as follows, except that instructions in brackets are to be replaced with the relevant information and the brackets deleted:

CERTIFICATION OF VALID CLAIM

The undersigned, as parties Southern California Edison and Claimant, hereby certify that the claim of bodily injury and/or property damage caused by a sudden accidental occurrence arising from operating San Onofre Nuclear Generating Station Mixed Waste Storage Area should be paid in the amount TBD.

Principal

(Notary) Date

Claimant(s)

(Notary) Date

(b) A valid final court order establishing a judgement against the Principal for bodily injury or property damage caused by sudden or nonsudden accidental occurrences arising from the operation of the Principal's facility/TTU or group of facility(ies)/TTU(s).

14. In the event of combination of this guarantee with another mechanism to meet liability requirements, this guarantee will be considered primary coverage.

I hereby certify that the wording of this guarantee is identical to the wording as specified in California Code of Regulations, title 22, section 66264.151, subsection (h)(2) and is being executed in accordance with the requirements of California Code of Regulations, title 22, division 4.5, chapter 14 and 15, article 8.

Effective date: 3/28/2008

Southern California Edison

Signature

THOMAS M. NOONAN
Senior Vice President and Chief Financial Officer

Signature of witness or notary:

CAROLYN GOING
Commission # 1703083
Notary Public - California
Los Angeles County
My Comm. Expires Nov 4, 2010

Southern California Edison Company
Tangible Net Worth
As of December 31, 2007
(In Millions)

Total shareholder's equity	$7,157	2007 Annual Report, page 50
Less: Intangible assets	340	See below
Tangible net worth	$6,817	

Intangible assets details: (Actual dollars)

Within total utility plant --		
Intangible plant	$505,651,020.32	DPB 5350, account 101.050
Accum deprec for intangible plant	(261,740,696.22)	DPB 5350, accounts 111.030, .105,.210,.220,.260,.315 and .640
	243,910,324.10	
Within total current assets --		
Prepaid trnsln license - Morongo	2,176,555.00	DPB 5350, account 165.520
Prepayment of FTR (cost)	0.00	DPB 5350, account 165.610
Deferred proceeds FTR acquisition	0.00	DPB 5350, account 186.937
Mountainview - RECLAIM inventory	1,242,854.50	Mountainview balance sheet line item
Big 4 - Emission credits	865,407.00	Big 4 balance sheet line item detail
	4,284,816.50	
Within total deferred charges --		
Pension fund excess of FASB 87	74,987,000.00	DPB 5350, account 186.392
Pension intangible asset	0.00	DPB 5350, account 186.394
Unamortized cost LB Op agreement	1,323,417.71	DPB 5350, account 186.845
Prepaid software license	2,796,680.14	DPB 5350, account 186.870
Mountainview - Emissions credits	12,018,282.29	Mountainview balance sheet line item
Big 4 - Intangible assets & emission credits	1,150,953.00	Big 4 balance sheet line item detail
	92,276,333.14	
Total intangible assets	$340,471,473.74	

SOUTHERN CALIFORNIA
EDISON®
An *EDISON INTERNATIONAL®* Company

Credit Ratings as of January 24, 2008

	S&P	Moody's
Issuer Credit / Long Term Rating	**BBB+**	**A3**
Outlook	**Stable**	**Stable**
Effective Date	16-Feb-05	16-Oct-06
Short Term / Commercial Paper	**A-2**	**P-2**
Effective Date	13-Aug-07	17-Sep-04
Senior Secured	**AAA**	**A2**
Effective Date	18-Jan-08	06-Aug-04
Senior Unsecured	**BBB**	**A3**
Effective Date	14-Jan-08	16-Oct-06
Preferred Stock	**BBB-**	**Baa2**
Effective Date	14-Jan-08	16-Oct-06
Senior Secured Credit Facility		**A2**
Effective Date		16-Oct-06

	Long Term		Short Term	
	S&P	Moody's	S&P	Moody's
Investment Grade	AAA	Aaa	A-1	P-1
	AA+	Aa1	A-2	P-2
	AA	Aa2	A-3	P-3
	AA-	Aa3	B	NP
	A+	A1	C	
	A	A2	R	
	A-	A3		
	BBB+	Baa1		
	BBB	Baa2		
	BBB-	Baa3		
Non Investment Grade	BB+	Ba1		
	BB	Ba2		
	BB-	Ba3		
	B+	B1		
	B	B2		
	B-	B3		
	CCC+	Caa1		
	CCC	Caa2		
	CCC-	Caa3		
	CC	Ca		
	C	C		
	D	D		

STANDARD
&POOR'S

RATINGSDIRECT®

December 18, 2007

Southern California Edison Co.

Primary Credit Analyst:
Anne Selting, San Francisco (1) 415-371-5009; anne_selting@standardandpoors.com

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Southern California Edison Co.

Major Rating Factors

Corporate Credit Rating
BBB+/Stable/A-2

Strengths:

- A continued favorable and supportive regulatory environment as evidenced by a favorable outcome in the company's 2006 general rate case (GRC), the expectation that the company's pending cost of capital filing will support a reasonable return on equity (ROE) (currently at 11.6%), as well as a recent Federal Energy Regulatory Commission (FERC) decision that provides SCE with incentive regulation for three large transmission projects;
- SCE's greatest day-to-day risk, its exposure to fuel and purchased power and the timely recovery of these volatile costs in retail rates, are adequately addressed through the energy resource recovery account (ERRA) mechanism that is expected to be over collected at year-end 2007;
- Consolidated financial metrics that benefit from the debt-free status of the parent company, Edison International, which retired all of its third-party debt with cash on hand in late 2004; at the same time, SCE's debt levels will increase sizably if it executes on its proposed $17.6 billion capital program;
- The timely filing and CPUC response to SCE's 2009-2011 GRC application in November suggests that the company is on track to have a decision in the case before 2009, which would provide rate and capital spending authorization in advance of the start of the test year; and
- A March 2007 non-consolidation opinion, as required by the CPUC, provides further support that protections in place for SCE would prevent it from being filed into a bankruptcy of its parent or the unregulated subsidiaries of Edison Mission Group.

Weaknesses:

- SCE's significant capital program over the next five years will occur roughly in tandem with an escalation in its power contracting requirements, and could collectively pressure leverage and cash flow metrics;
- Above average retail electric rates that are nearly 14 cents/kWh (including some California Department of Water Resources (CDWR) costs) are expected to be further pressured in the next five years;
- A number of significant policy issues could substantially impact SCE's business including the potential that direct access may be re-opened in the sate, proposals to create a capacity auction administered by the California ISO, the design for implementing Assembly Bill 32, the state's greenhouse gas legislation, the potential for rising renewable targets beyond 2010, and uncertainties over the timing and ultimate resolution of the Devers-Palo Verde line, which Arizona regulators rejected this past summer;
- Some succession risk at the CPUC in the near-term. The president of the CPUC completes his six-year term at the end of 2008 and has been instrumental in providing leadership that has helped restore credit ratings; a successor is not expected to be named until later next year.
- A regulatory arena that, while currently stable, is enormously complex, easily influenced by public and political sentiment, and is capable of producing unintended consequences that can be destabilizing for utility credit quality;

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Rationale

The 'BBB+' corporate credit rating (CCR) on regulated utility Southern California Edison Co. (SCE), reflects the consolidated financial and credit profile of parent company Edison International ('BBB-') which also owns the unregulated operations of Edison Mission Energy ('BB-').

While we view the ratings of SCE as linked to Edison International, the existence of numerous regulatory and legislative safeguards are viewed as protective of the utility's credit quality, enabling it to have a rating that it is two notches above that of its parent. The primary protections that justify a separation in the ratings are:

- A CPUC-mandated threshold equity cushion of 48%, which constrains SCE's ability to make distributions to its unregulated affiliates;
- The requirement that Edison International and SCE give first priority to SCE's capital requirements;
- Legislatively prescribed criminal penalties that could be imposed on management for violations of CPUC orders that require the application of borrowed funds solely to utility purposes;
- A non-consolidation opinion, put into place at the direction of the CPUC in March 2007.

Based in Rosemead, Calif., SCE serves in excess of 4.8 million retail electric customers. As of Sept. 30, 2007 it had $5.3 billion in long-term debt outstanding. The utility's business profile is characterized as 'excellent' by Standard & Poor's, which principally reflects our view that the current regulatory environment is among the most supportive in the western U.S. SCE's financial profile is 'intermediate', reflecting trailing 12-month (TTM) adjusted credit metrics that as of Sept. 30 are: 26.8% funds from operation (FFO) to total debt, 4.3x FFO to interest coverage, and 54.3% debt to total capitalization.

Edison International's consolidated business risk is 'strong', reflecting the stability of SCE's utility operations, which in 2006 provided about 73% of consolidated cash flows, but also reflecting the parent's riskier merchant and project operations owned by subsidiary Edison Mission Energy. Edison International's financial profile is 'aggressive', reflecting principally its strategy to grow its unregulated operations, the volatile cash flows of these operations and its present capital structure, which, while improving in recent years remains leveraged. (On a consolidated basis, Edison International's TTM adjusted credit metrics as of Sept. 30: 21.5% FFO to total debt, 3.1x FFO interest coverage and 63% debt to total capitalization.)

While SCE's credit quality is anchored by the presence of a strong and credit-supportive regulatory environment, the utility faces significant challenges over the next five years. Foremost among these challenges is the company's plan to invest $17.6 billion in capital improvements from 2007 through 2011 (through Sept. 30, 2007 it has spent about $1.65 billion). When adjusted by SCE's current number of customers, its capital plan is not the largest in the west, but it is very high for a company that is not building base load projects.

Table 1

SCE Proposed Capital Expenditures 2007-2011

Classification	$ in Billions	% Total
Automated meter reading	1.2	6.8
Generation	2.7	15.3
Transmission	4.3	24.4
Distribution	9.4	53.4

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Table 1

SCE Proposed Capital Expenditures 2007-2011(cont.)		
Total	17.6	100.0

Of this total, the CPUC has approved, through the company's last GRC, about $3.9 billion. If the CPUC approves the capital spending from 2009 through 2011 (which is part of its current GRC filing submitted in November 2007), capital expenditures are expected to peak at $4.3 billion in 2010 and $4.4 billion in 2011. Given that in California the GRC process is based on a forward test year and covers a three-year period, SCE has an opportunity to adjust its capital program downward in the event that the commission does not support its proposed expenditures.

If SCE pursues its current financing plans, we see the potential for credit metrics to be stressed beginning in 2009. On an unadjusted basis, the company is expected to nearly double its debt outstanding to fund the program. Expiration of California Department of Water Resources (CDWR) and qualifying facility contracts in coming years will also heighten the company's financial exposure related to power procurement and result in increasing debt imputation under our methodology.

That is, owned generation accounts for very little of SCE's power portfolio needed to serve retail load, as most of SCE's assets were divested as part of the restructuring effort in the late 1990s. While SCE is not prohibited from owning power generation, it has no near-term plans to build new generation. As a result, a second risk that is growing for the utility is related to its reliance on purchased power. As shown in the chart below, based on 2007 data SCE contracts to meet all but 38% of its power supply needs. SCE's projected net open position is expected to rise over time as the utility's load grows, CDWR and qualifying facilities (QF) contracts expire, as well as its needs to meet CPUC resource adequacy and renewable directives. In particular, SCE currently relies on CDWR contracts for nearly 19% of its power supply, but these financial obligations are borne by the state entity--not the utility. But financial responsibility for an increasing percentage of customers' energy needs will be shifted to SCE on the expiration of these contracts that substantially roll off in 2011, with the last contract completed in 2015. In addition, in time, the company's contracts with QF contracts will end and either be recontracted or replaced.

The combined effect of both the capital program and the potential to enter contracts at terms above those currently in place is expected to contribute to upward pressure on retail electric rates. Other pressures include some form of greenhouse gas regulation in 2012, significant renewable portfolio requirements, the company's heavy reliance on natural gas generation and contracts, which will cause the energy component of rates to increase when gas prices increase, and the difficulty and costs associated with citing new generation in the state. While our ratings reflect an expectation that procurement and other costs will continue to be deemed prudent and recovered as part of the generally favorable regulatory framework, we do see multiple sources of rate pressure in the coming years.

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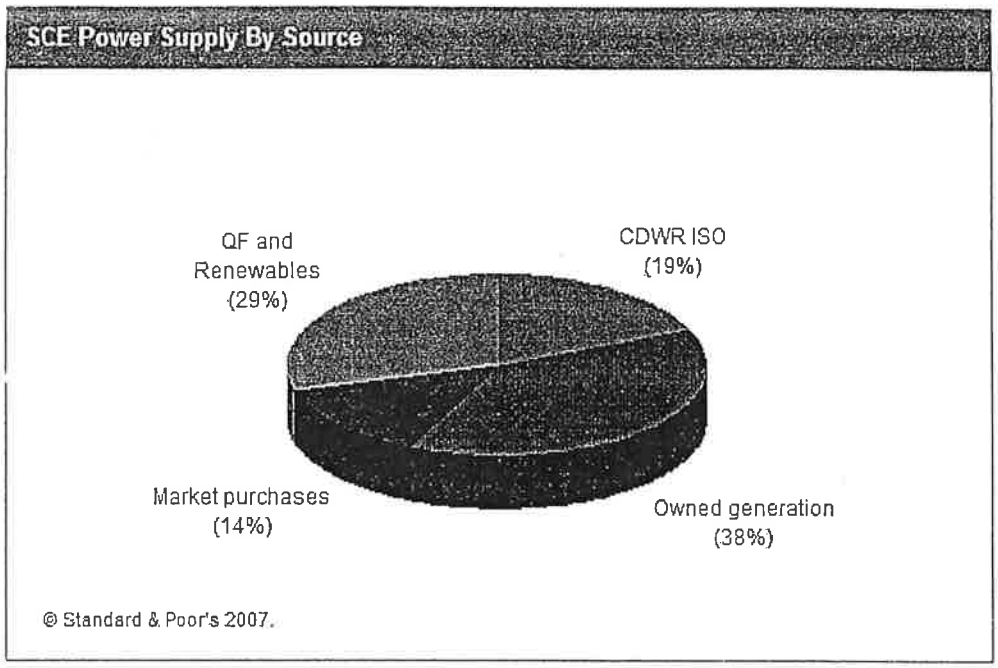

At the same time that we expect SCE to take on greater power purchase agreement (PPA) obligations to serve its loads, there are several policies that could result in load migration. For example, both community choice aggregation, which was authorized by legislation in 2002, and direct access could result in customers receiving retail electric supply from sources other than SCE. While SCE does not make a margin on generation sales, these programs give rise to concerns as to whether exit fees will continue to be properly structured to ensure that it is afforded full cost recovery of its PPAs over the life of a contract. Direct access is being considered as part of a three-part CPUC proceeding that is unlikely to be resolved before 2009. (In 2006, the CPUC adopted rules to allocate procurement costs to departing customers.) To date, community choice aggregation has been modest throughout the state, although several Southern California cities are investigating the option.

SCE faces renewable portfolio standards (RPS), which it has stated it is not likely to meet, at least in the short run. State legislation requires SCE and other investor-owned utilities to serve 20% of its customers' electricity needs with renewable energy by 2010. SCE currently has about 13 billion kilowatt-hours (kWh) under contract to meet this target, or about 17% of customer deliveries. However, SCE estimates that it will need about 17 billion kWh under current growth assumptions to meet the 2010 standard. The constraint to meeting the RPS is transmission, and of the $4.3 billion the company is planning to spend on transmission through 2011, about $1.7 billion has been earmarked to construct the Tehachapi transmission projects. (Total project costs are estimated to be $2.2 billion, and should be completed by 2013.) This project will connect some 4,500 MW of wind generation on line or in construction along the Tehachapi mountain pass to SCE's loads.

The company faces penalties of up to five cents/kWh up to $25 million per year but CPUC can waive this amount. The rating concern is not the immediate monetary cost of non compliance but the ultimate cost and impact on rates of these aggressive standards. More stringent RPS could be coming. There is a bill in the state legislature that would

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require 33% by 2020 and even if it is defeated, additional renewable measures are likely to be a significant feature of state policies going forward. Finally, Assembly Bill (AB) 32, passed in 2006, rolls back carbon emissions to 1990 levels by no later than 2020. Statewide caps on emissions begin in 2012. The California Air Resources Board (CARB) is in charge of developing regulations that are not expected to be finalized before the end of 2008. Greenhouse gas regulations are expected to be an additional source of rate pressure that SCE will face. We are concerned that the utility's spending plan, along with the timing of other state initiatives, may result in not only pressuring credit metrics but also retail rates, the latter of which always invokes the risk of a breakdown in the regulatory compact.

Against these concerns is a regulatory environment that has become remarkably strong for bondholders in recent years. Evidence of this strength includes:

- Forward test-year ratemaking for generation and distribution that covers three years;
- Cost of capital proceedings have authorized credit-supportive ROEs and capital structures, including recognition of debt equivalents;
- Fuel and purchased power cost are recovered through the ERRA balancing account mechanism that sets power and fuel requirements based on forward prices and has clear triggers for rate adjustments;
- The opportunity to hedge utility exposure to fuel and purchased power up to 18 months in advance;
- A power procurement framework that is authorized by the CPUC, as well as legislation that requires SCE receive full cost recovery of procurement costs so long as it follows the plans established by the CPUC; and
- Pre-authorization of major expenditures. For example, the CPUC has authorized the company to replace the steam generators for San Onofre nuclear generating station's units 2 and 3 and has determined that the company will not be subject to prudency review so long as costs are at of below the budget of $680 million.

Liquidity

SCE's liquidity is assessed independently and in conjunction with that of its parent, Edison International. Debt-free Edison International's liquidity needs are limited to the payment of dividends to shareholders and coverage of administrative and general expenses. The debt obligations of the company's unregulated operations reside at Edison Mission Energy (EME) as well as at the project level.

As a holding company, Edison International is dependent on its subsidiaries for the cash needed to meet these obligations. SCE's dividends have historically been a principal source of these funds, along with Edison Capital, the company's investment arm. As of Sept. 30, 2007, SCE had paid $110 million of dividends to Edison International and declared an additional $25 million of dividends for future payment. In 2006, SCE paid approximately $248 million of dividends to its parent. SCE's distributions to its parent are subject to a number of restrictions imposed by the CPUC that include the requirement it maintain a 48% equity layer. SCE's large capital program is expected to limit its ability to make future dividends to its parent. SCE is barred by the CPUC from guaranteeing affiliate obligations and is not exposed to cross defaults.

Additional dividends have been provided by Edison Capital, which in 2007 made a distribution to Edison Mission Group (EMG) that in turn provided a $238 million dividend to Edison International. EMG is the parent of Mission Energy Holdings Co. (MEHC), which owns Edison Mission Energy (EME), which, in turn, is the subsidiary that holds Edison International's merchant and project plants, as well as develops wind generation. Although MEHC has met the threshold requirements for the payment of dividends to its parent, it has neither declared nor paid dividends to Edison International through the third quarter of 2007.

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As of Sept. 30, 2007, Edison International's consolidated cash and cash equivalents stood at nearly $1.5 billion. Of this amount, $11 million resides at the parent. Parent liquidity is bolstered by a $1.5 billion credit facility (maturing in February 2012) that was fully available as of the end of the third quarter.

SCE also exhibits sound liquidity. SCE's cash and cash equivalents stood at $115 million as of Sept. 30, 2007, but $104 million of this total is not a true source of liquidity to SCE as it is s held by four QF projects that SCE's auditors have required it to consolidate onto its financial statements under FASB Interpretation No. (FIN) 46. Augmenting what are typically low cash balances, SCE has a $2.5 billion unsecured credit facility that terminates in February 2012. At Sept. 30, 2007 the facility supported $200 million in LOCs, with its untapped balance at $2.3 billion. In the event of a market and credit event, we anticipate that SCE's liquidity coverage will be well above 1.0x.

SCE has no scheduled debt maturities in 2008 and a modest $150 million in first mortgage bonds due in February 2009. As with many other utilities that have an A-2 commercial paper rating, in recent months disruptions in the commercial paper program have resulted in SCE relying on its bank lines for short-term cash needs.

Outlook

Preservation of the ratings will depend on SCE's ability to sustain sound credit metrics in the face of capital spending and resource procurement needs that will require either additional debt (in the case of the planned capital program) or give rise to debt equivalents (in the case of sharply higher procurement needs going forward). The stable outlook also presumes an absence of actions by Edison International and its unregulated affiliates that are detrimental to the consolidated companies' credit metrics. Continued stability in the regulatory environment will also be a crucial consideration because of the likelihood that SCE will have to flow through to ratepayers not only capital expenses but also the incremental costs of current and planned policy mandates.

An adverse outlook or rating action could result if credit metrics deteriorate or if we view the regulatory environment as being unable to charge ratepayers the full costs of all approved and proposed programs. A ratings improvement is not foreseen due to the multiple challenges facing the utility in the next few years.

Table 2

Southern California Edison Co. -- Peer Comparison*

Industry Sector: INTEGRATED

	Southern California Edison Co.	FPL Group Inc.	PG&E Corp. ¶
Rating as of Dec. 17, 2007	BBB+/Stable/A-2	A/Stable/--	BBB+/Stable/A-2
	--Average of past three fiscal years--		
(Mil. $)			
Revenues	9,130.6	12,257.2	11,228.6
Net income from cont. oper.	832.3	967.9	1,905.0
Funds from operations (FFO)	2,184.9	2,295.8	1,628.5
Capital expenditures (Capex)	1,956.6	1,569.0	2,044.5
Cash and investments	116.0	458.3	1,373.7
Debt	7,261.0	10,297.3	9,918.4
Preferred stock	377.8	168.2	263.3
Equity	5,392.2	9,578.9	7,360.3
Debt and equity	12,653.3	19,876.2	17,278.7

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Table 2

Southern California Edison Co. -- Peer Comparison*(cont.)

Adjusted ratios			
EBIT interest coverage (x)	4.0	2.7	2.9
FFO int. cov. (X)	5.2	4.6	2.7
FFO/debt (%)	30.1	22.3	16.4
Discretionary cash flow/debt (%)	(4.7)	(1.2)	(4.5)
Net Cash Flow / Capex (%)	90.2	112.2	65.0
Debt/total capital (%)	57.4	51.8	57.4
Return on common equity (%)	16.5	10.2	25.4
Common dividend payout ratio (un-adj.) (%)	51.5	55.2	13.9

*Fully adjusted (including postretirement obligations). ¶Rating of Pacific Gas & Electric Co.

Table 3

Southern California Edison Co. -- Financial Summary*

Org Type: Electric

	--Fiscal year ended Dec. 31--		
	2006	**2005**	**2004**
Rating history	BBB+/Stable/A-2	BBB+/Stable/A-2	BBB/Stable/A-2
(Mil. $)			
Revenues	10,038.3	9,210.6	8,143.0
Net income from continuing operations	827.0	749.0	921.0
Funds from operations (FFO)	1,808.2	2,178.1	2,568.5
Capital expenditures	2,352.4	1,794.0	1,723.4
Cash and investments	83.0	143.0	122.0
Debt	8,217.6	7,006.9	6,558.6
Preferred stock	563.0	441.4	129.0
Equity	6,361.0	5,234.5	4,581.3
Debt and equity	14,578.6	12,241.3	11,139.8
Adjusted ratios			
EBIT interest coverage (x)	3.6	4.0	4.5
FFO int. cov. (x)	3.9	5.8	6.2
FFO/debt (%)	22.0	31.1	39.2
Discretionary cash flow/debt (%)	(5.2)	0.2	(9.4)
Net Cash Flow / Capex (%)	65.0	108.9	105.2
Debt/debt and equity (%)	56.4	57.2	58.9
Return on common equity (%)	15.0	15.0	19.8
Common dividend payout ratio (un-adj.) (%)	36.3	31.2	82.0

*Fully adjusted (including postretirement obligations).

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Table 4

Reconciliation Of SCE Reported Amounts With Standard & Poor's Adjusted Amounts

--Fiscal year ended Dec. 31, 2006--

Southern California Edison Co. reported amounts (mil. $)*

	Debt	Shareholders' equity	Revenues	Operating income (before D&A)	Operating income (before D&A)	Operating income (after D&A)	Cash flow from operations	Cash flow from operations	Capex
Reported	5,707.0	6,376.0	10,312.0	2,882.0	2,882.0	1,856.0	2,606.0	2,606.0	2,226.0
Standard & Poor's adjustments									
Operating leases	172.3	--	--	26.5	8.3	8.3	18.2	18.2	144.4
Intermediate hybrids reported as equity	366.0	(366.0)	--	--	--	--	(20.4)	(20.4)	--
Postretirement benefit obligations	176.2	--	--	(13.0)	(13.0)	(13.0)	2.6	2.6	--
Capitalized interest	--	--	--	--	--	--	(18.0)	(18.0)	(18.0)
Securitized utility cost recovery	(246.2)	--	(273.7)	(273.7)	(273.7)	(27.5)	(246.2)	(246.2)	--
Power purchase agreements	2,042.4	--	--	155.6	155.6	155.6	--	--	--
Reclassification of nonoperating income (expenses)	--	--	--	--	--	83.0	--	--	--
Reclassification of working-capital cash flow changes	--	--	--	--	--	--	--	(394.0)	--
Minority interests	--	351.0	--	--	--	--	--	--	--
US decommissioning fund contributions	--	--	--	--	--	--	(140.0)	(140.0)	--
Total adjustments	2,510.6	(15.0)	(273.7)	(104.6)	(122.8)	206.4	(403.8)	(797.8)	126.4

Standard & Poor's adjusted amounts

	Debt	Equity	Revenues	Operating income (before D&A)	EBITDA	EBIT	Cash flow from operations	Funds from operations	Capex
Adjusted	8,217.6	6,361.0	10,038.3	2,777.4	2,759.2	2,062.4	2,202.2	1,808.2	2,352.4

*Southern California Edison Co. reported amounts shown are taken from the company's financial statements but might include adjustments made by data providers or reclassifications made by Standard & Poor's analysts. Please note that two reported amounts (operating income before D&A and cash flow from operations) are used to derive more than one Standard & Poor's-adjusted amount (operating income before D&A and EBITDA, and cash flow from operations and funds from operations, respectively). Consequently, the first section in some tables may feature duplicate descriptions and amounts.

Ratings Detail (As Of December 18, 2007)*

Southern California Edison Co.	
Corporate Credit Rating	BBB+/Stable/A-2
Commercial Paper	
Local Currency	A-2
Preferred Stock	
Local Currency	BBB-
Senior Secured	
Local Currency	A

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Ratings Detail (As Of December 18, 2007)* **(cont.)**	
Senior Unsecured	
Local Currency	BBB
Subordinated	
Local Currency	BBB
Corporate Credit Ratings History	
16-Feb-2005	BBB+/Stable/A-2
17-Dec-2003	BBB/Stable/A-2
03-Dec-2003	BBB/Stable/NR
Financial Risk Profile	Intermediate
Related Entities	
Edison International	
Issuer Credit Rating	BBB-/Stable/NR
Preferred Stock	
Local Currency	BB-
Edison Mission Energy	
Issuer Credit Rating	BB-/Stable/NR
Preferred Stock	
Local Currency	B-
Senior Secured	
Local Currency	BB-
Senior Unsecured	
Local Currency	BB-
Edison Mission Energy Funding Corp.	
Issuer Credit Rating	BB-/Stable/--
Senior Unsecured	
Local Currency	BB-
Edison Mission Marketing and Trading	
Issuer Credit Rating	BB-/Stable/--
Midwest Generation LLC	
Issuer Credit Rating	BB-/Stable/--
Senior Secured	
Local Currency	BB

*Unless otherwise noted, all ratings in this report are global scale ratings. Standard & Poor's credit ratings on the global scale are comparable across countries. Standard & Poor's credit ratings on a national scale are relative to obligors or obligations within that specific country.

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Report of Independent Registered Public Accounting Firm

To the Board of Directors and
Shareholder of Southern California Edison Company

In our opinion, the accompanying consolidated balance sheets and the related consolidated statements of income, comprehensive income, cash flows and changes in common shareholder's equity present fairly, in all material respects, the financial position of Southern California Edison Company and its subsidiaries at December 31, 2007 and 2006, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 2007 in conformity with accounting principles generally accepted in the United States of America. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits of these statements in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

As discussed in Notes 1, 4, 5 and 8 to the consolidated financial statements, the Company changed the manner in which it accounts for asset retirement costs as of December 31, 2005, stock-based compensation as of January 1, 2006, defined benefit pension and other post retirement plans as of December 31, 2006, and uncertain tax positions as of January 1, 2007.

PricewaterhouseCoopers LLP
Los Angeles, California
February 27, 2008

Consolidated Statements of Income	Southern California Edison Company		
In millions — Year ended December 31,	2007	2006	2005
Operating revenue	**$ 10,478**	$ 10,312	$ 9,500
Fuel	**1,191**	1,112	1,193
Purchased power	**3,124**	3,409	2,622
Provisions for regulatory adjustment clauses – net	**271**	25	435
Other operation and maintenance	**2,840**	2,678	2,523
Depreciation, decommissioning and amortization	**1,094**	1,026	915
Property and other taxes	**217**	206	193
Net gain on sale of utility property and plant	**—**	(1)	(10)
Total operating expenses	**8,737**	8,455	7,871
Operating income	**1,741**	1,857	1,629
Interest income	**44**	58	44
Other nonoperating income	**89**	85	127
Interest expense – net of amounts capitalized	**(429)**	(400)	(360)
Other nonoperating deductions	**(45)**	(60)	(65)
Income before tax and minority interest	**1,400**	1,540	1,375
Income tax expense	**337**	438	292
Minority interest	**305**	275	334
Net income	**758**	827	749
Dividends on preferred and preference stock not subject to mandatory redemption	**51**	51	24
Net income available for common stock	**$ 707**	$ 776	$ 725

Consolidated Statements of Comprehensive Income

In millions — Year ended December 31,	2007	2006	2005
Net income	**$ 758**	$ 827	$ 749
Other comprehensive income (loss), net of tax:			
Termination and amortization of cash flow hedges – net of income tax expense of $3 and $2 for 2006 and 2005	**—**	5	2
Pension and postretirement benefits other than pensions:			
Net loss arising during period – net of income tax benefit of $2 for 2007	**(3)**	—	—
Amortization of net loss included in expense – net of income tax expense of $1 for 2007	**2**	—	—
Minimum pension liability adjustment – net of income tax expense (benefit) of $5 and $(1) for 2006 and 2005	**—**	7	(1)
Comprehensive income	**$ 757**	$ 839	$ 750

The accompanying notes are an integral part of these consolidated financial statements.

Consolidated Balance Sheets

In millions December 31,	2007	2006
ASSETS		
Cash and equivalents	$ 252	$ 83
Restricted cash	—	56
Margin and collateral deposits	37	55
Receivables, less allowances of $34 and $29 for uncollectible accounts at respective dates	725	939
Accrued unbilled revenue	370	303
Inventory	283	232
Accumulated deferred income taxes – net	146	250
Derivative assets	54	56
Regulatory assets	197	554
Other current assets	188	54
Total current assets	2,252	2,582
Nonutility property – less accumulated provision for depreciation of $701 and $633 at respective dates	1,000	1,046
Nuclear decommissioning trusts	3,378	3,184
Other investments	69	62
Total investments and other assets	4,447	4,292
Utility plant, at original cost:		
Transmission and distribution	18,940	17,606
Generation	1,767	1,465
Accumulated provision for depreciation	(5,174)	(4,821)
Construction work in progress	1,693	1,486
Nuclear fuel, at amortized cost	177	177
Total utility plant	17,403	15,913
Regulatory assets	2,721	2,818
Derivative assets	28	17
Other long-term assets	629	488
Total long-term assets	3,378	3,323
Total assets	$ 27,480	$ 26,110

The accompanying notes are an integral part of these consolidated financial statements.

Consolidated Balances Sheets	Southern California Edison Company	
In millions, except share amounts — December 31,	2007	2006
LIABILITIES AND SHAREHOLDERS' EQUITY		
Short-term debt	$ 500	$ —
Long-term debt due within one year	—	396
Accounts payable	914	856
Accrued taxes	42	193
Accrued interest	126	114
Counterparty collateral	42	36
Customer deposits	218	198
Book overdrafts	204	140
Derivative liabilities	100	99
Regulatory liabilities	1,019	1,000
Other current liabilities	548	624
Total current liabilities	3,713	3,656
Long-term debt	5,081	5,171
Accumulated deferred income taxes – net	2,556	2,675
Accumulated deferred investment tax credits	105	112
Customer advances	155	160
Derivative liabilities	13	77
Power-purchase contracts	22	32
Accumulated provision for pensions and benefits	786	809
Asset retirement obligations	2,877	2,749
Regulatory liabilities	3,433	3,140
Other deferred credits and other long-term liabilities	1,136	802
Total deferred credits and other liabilities	11,083	10,556
Total liabilities	19,877	19,383
Commitments and contingencies (Note 6)		
Minority interest	446	351
Common stock, no par value (434,888,104 shares outstanding at each date)	2,168	2,168
Additional paid-in capital	507	383
Accumulated other comprehensive loss	(15)	(14)
Retained earnings	3,568	2,910
Total common shareholder's equity	6,228	5,447
Preferred and preference stock not subject to mandatory redemption	929	929
Total shareholders' equity	7,157	6,376
Total liabilities and shareholders' equity	$ 27,480	$ 26,110

Authorized common stock is 560 million shares at each reporting period.

The accompanying notes are an integral part of these consolidated financial statements.

Consolidated Statements of Cash Flows

In millions Year ended December 31,	2007	2006	2005
Cash flows from operating activities:			
Net income	$ 758	$ 827	$ 749
Adjustments to reconcile to net cash provided by operating activities:			
Depreciation, decommissioning and amortization	1,094	1,026	915
Loss on impairment of nuclear decommissioning trusts	58	54	—
Other amortization	95	79	96
Stock-based compensation	18	27	21
Minority interest	305	275	334
Deferred income taxes and investment tax credits	(111)	(358)	34
Regulatory assets – long-term	148	92	387
Regulatory liabilities – long-term	157	18	(168)
Derivative assets – long-term	(11)	25	(42)
Derivative liabilities – long-term	(64)	(24)	97
Other assets	(156)	(119)	88
Other liabilities	195	325	(46)
Margin and collateral deposits – net of collateral received	24	(24)	70
Receivables and accrued unbilled revenue	147	51	(202)
Derivative assets – short-term	2	181	(211)
Derivative liabilities – short-term	(32)	12	74
Inventory and other current assets	(185)	(7)	(42)
Regulatory assets – short-term	357	(18)	17
Regulatory liabilities – short-term	19	318	192
Book overdrafts	64	—	—
Accrued interest and taxes	74	(41)	(126)
Accounts payable and other current liabilities	17	(138)	184
Net cash provided by operating activities	2,973	2,581	2,421
Cash flows from financing activities:			
Long-term debt issued	—	900	1,000
Long-term debt issuance costs	(1)	(24)	(20)
Long-term debt repaid	(207)	(352)	(1,040)
Bonds repurchased	(37)	—	—
Issuance of preference stock	—	196	591
Redemption of preferred stock	—	—	(148)
Rate reduction notes repaid	(246)	(246)	(246)
Short-term debt financing – net	500	—	(88)
Book overdrafts	—	(118)	25
Shares purchased for stock-based compensation	(135)	(107)	(122)
Proceeds from stock option exercises	56	45	53
Excess tax benefits related to stock option exercises	28	17	—
Minority interest	(210)	(322)	(345)
Dividends paid	(186)	(300)	(234)
Net cash used by financing activities	(438)	(311)	(574)
Cash flows from investing activities:			
Capital expenditures	(2,286)	(2,226)	(1,808)
Proceeds from nuclear decommissioning trust sales	3,697	3,010	2,067
Purchases of nuclear decommissioning trust investments and other	(3,830)	(3,150)	(2,159)
Sales of short-term investments	7,069	6,446	2,748
Purchases of short-term investments	(7,069)	(6,418)	(2,776)
Restricted cash	56	1	4
Customer advances for construction and other investments	(3)	7	98
Net cash used by investing activities	(2,366)	(2,330)	(1,826)
Net increase (decrease) in cash and equivalents	169	(60)	21
Cash and equivalents, beginning of year	83	143	122
Cash and equivalents, end of year	$ 252	$ 83	$ 143

The accompanying notes are an integral part of these consolidated financial statements.

Consolidated Statements of Changes in Common Shareholders' Equity — **Southern California Edison Company**

In millions	Common Stock	Additional Paid-in Capital	Accumulated Other Comprehensive Income (Loss)	Retained Earnings	Total Common Shareholder's Equity
Balance at December 31, 2004	$ 2,168	$ 350	$ (17)	$ 2,020	$ 4,521
Net income				749	749
Other comprehensive income			1		1
Dividends declared on common stock				(285)	(285)
Dividends declared on preferred and preference stock not subject to mandatory redemption				(24)	(24)
Shares purchased for stock-based compensation		(19)		(95)	(114)
Proceeds from stock option exercises				53	53
Noncash stock-based compensation and other		11			11
Excess tax benefits related to stock option exercises		29			29
Capital stock expense and other		(10)		(1)	(11)
Balance at December 31, 2005	$ 2,168	$ 361	$ (16)	$ 2,417	$ 4,930
Net income				827	827
Other comprehensive income			12		12
SFAS No. 158 – Pension and other postretirement benefits			(17)		(17)
Tax effect			7		7
Dividends declared on common stock				(240)	(240)
Dividends declared on preferred and preference stock not subject to mandatory redemption				(51)	(51)
Shares purchased for stock-based compensation		(15)		(88)	(103)
Proceeds from stock option exercises				45	45
Noncash stock-based compensation and other		23			23
Excess tax benefits related to stock option exercises		17			17
Capital stock expense and other		(3)			(3)
Balance at December 31, 2006	$ 2,168	$ 383	$ (14)	$ 2,910	$ 5,447
Net income				758	758
FIN 48 adoption				213	213
Other comprehensive loss			(1)		(1)
Dividends declared on common stock				(100)	(100)
Dividends declared on preferred and preference stock not subject to mandatory redemption				(51)	(51)
Shares purchased for stock-based compensation				(135)	(135)
Proceeds from stock option exercises				56	56
Noncash stock-based compensation and other		18		(5)	13
Excess tax benefits related to stock option exercises		28			28
Change in classification of shares purchased to settle performance shares		78		(78)	—
Balance at December 31, 2007	$ 2,168	$ 507	$ (15)	$ 3,568	$ 6,228

Authorized common stock is 560 million shares. The outstanding common stock is 434,888,104 shares for all years reported.

The accompanying notes are an integral part of these consolidated financial statements.

SOUTHERN CALIFORNIA
EDISON
An EDISON INTERNATIONAL Company

January 23, 2008

Marvel Bradshaw
Department of Toxic Substances Control
Financial Responsibility Unit
8800 Cal Center Drive
Sacramento, California 95826

SUBJECT: Annual Closure Cost Estimate

Dear Ms. Bradshaw;

Enclosed is the updated annual closure cost estimate for Southern California Edison, San Onofre Nuclear Generating Station. An annual inflation factor of 2.728% was included in the calculations.

If you have any questions, please contact Brian Metz at (949) 368-3849.

Sincerely,

M.J. Johnson
Manager, Site Support Services

Enclosure

cc: J. T. Reilly
W. Chui (DTSC)
R. Tom
S. Marsh
B. D. Metz
IDB / CDM

P.O. Box 128
San Clemente, CA 92674-0128

Southern California Edison Co.
San Onofre Nuclear Generating Station
CAD000630921

CLOSURE PLAN

CLOSURE PLAN DATE: 2023

UPDATED: January 23, 2008

OWNER / OPERATER SIGNATURES AND CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

M.J. Johnson 1/23/08
Date

TABLE 4

CLOSURE COST ESTIMATE

Step #	Closure Activity		Cost Estimate
1	Notify DTSC		$ 0
2	Remove All Stored Wastes		
	Manpower (40 man hours @ $50/hr)	$ 2,000	
	Transport / dispose:		
	1000 55-gallon containers mixed waste @ $65/gallon	$ 3,575,000	
	25 Boxes @ $6500/Box	$162,500	
	50 30-gallon containers mixed waste @ $65/gallon	$ 97,500	
	50 5-gallon containers mixed waste @ $65/gallon	$ 16,250	$3,853,250
	(See Notes 1 & 2)		
3	Sweep / Vacuum Pad		
	Manpower (8 man hours @ $50/hr)	$ 400	$ 400
4	Decontaminate Tank, Pads and Sumps (if required)		
	Rent one (1) 4,000 gallon Portable Tank / Containment (1 mo)	$ 1,000	
	Rent Vacuum Truck (10 hours @ $80/hr)	$ 800	
	Manpower (160 man hours @ $50/hr) (Note 4)	$ 8,000	
	Decontaminate Analytical Costs:		
	4 Concrete Samples @ $500/sample	$ 2,000	
	4 Soil Samples @ $750/sample	$ 3,000	
	1 Rinse Water Sample @ $500	$ 500	
	Transport / Dispose		
	800 Gallons Decontamination Solution @ $65/gal	$ 52,000	
	Note 3 100 Tons Soil / Concrete (33 boxes) @ $6500/box	$ 214,500	$ 281,800
	Note 4 Conditionally authorized unit (OCA-6) is within this cost estimate (8 man hours)		
5 / 6	Confirmation Sampling / Analysis (Concrete/Soil)		
	Manpower for Sampling (16 man hours @ $50/hr)	$ 800	
	Equipment Rentals	$ 400	
	Analytical Costs:		
	7 Concrete Samples @ $500/sample	$ 3,500	
	21 Soil Samples @ $750/sample	$15,750	
	1 Rinse Water Sample @ $500	$ 500	$ 20,950
7	Certify Closure / Develop Report		$ 2,000
	Project Management		$ 5,000
		SUBTOTAL	$ 4,163,400
	Implicit Price Deflator (Gross National Product) Previous Year's (starting w/ 1997)		$ 902,167
	Inflation Factor Current Year 2008 (119.512/116.338 = 1.02728)		$ 138,290
	10% Contingency		$ 520,386
		TOTAL	$ 5,724,243

Note 1: Costs are based on best guess using industry experience from other facilities.

Note 2: Some waste may not have a disposal facility.

Note 3: It has been conservatively assumed that the concrete samples will be analytically determined to be hazardous and the removal and offsite disposal of the containment area will be necessary. The top 1/8" to ¼" of the concrete will be decontaminated using CO_2 decontamination procedures. The uncontaminated concrete will be excavated and transported to an out-of-state landfill.

Note 4: Decontamination of conditionally authorized Unit (OCA-6) mixed waste processing tank is less than $10,000, but is incorporated in this closure cost estimate.

PRICEWATERHOUSECOOPERS

PricewaterhouseCoopers LLP
350 South Grand Avenue, 49th Floo
Los Angeles CA 90071
Telephone (213) 356 6000
Facsimile (813) 637 4444

Report of Independent Auditors

To the Board of Directors of
Southern California Edison Company

We have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States), the consolidated balance sheet of Southern California Edison Company and its subsidiaries (the "Company") as of December 31, 2007 and the related consolidated statements of income, comprehensive income, cash flows and changes in common shareholder's equity for the year then ended, and have issued our report thereon dated February 27, 2008.

The accompanying letter dated March 28, 2008 from the Senior Vice President and Chief Financial Officer of the Company to the Northern California Branch Chief, Department of Toxic Substances Control, Statewide Compliance Division and Staff Counsel, Department of Toxic Substances Control (the "CFO Letter") was prepared in support of the Company's use of the financial test to demonstrate liability coverage, closure and post-closure care as specified in the applicable sections of the California Code of Regulations, Title 22, Division 4.5, Chapter 14 and 15, Article 8. The CFO Letter, Alternative II, items 7, 8, 9, 10 and 11, contains information on tangible net worth and total assets in the United States, which management derived from the audited financial statements referred to above. This information is used to demonstrate compliance with the applicable sections of the California Code of Regulations as referenced above.

In connection with our audit, nothing came to our attention that caused us to believe that the Company did not comply with the tangible net worth or the assets located in the United States requirements. However, our audit was not directed primarily toward obtaining knowledge of such noncompliance.

This report is intended solely for the information and use of the board of directors and management of the Company and the Department of Toxic Substances Control and is not intended to be and should not be used by anyone other than these specified parties.

PricewaterhouseCoopers LLP

PricewaterhouseCoopers LLP
Los Angeles, California
March 28, 2008

Section 9.0

OPERATING RECORDS AND REPORTS

9.0 OPERATING RECORD AND REPORTS

The Operating Record will be maintained in various binders and files at the Environmental Protection Office until closure of the storage areas. The required records, including plans and reports, will be made available for inspection by EPA, DTSC, and other appropriate agencies. Records of notifications to government agencies and calls for offsite support are also maintained in the control room operations log.

All documents considered part of the Operating Record will be retained at the plant until closure of the surface impoundments, except that the inspection checklists, biennial and annual reports, and copies of manifests, are required to be retained for at least 3 years from the time they are prepared.

9.1 Routine Records

The Operating Record includes the following routine records:

- A description and the quantity of mixed waste received at the hazardous waste storage areas, the date(s) and method(s) of its transfer or treatment, and the length of storage.
- Location of mixed waste within the storage areas and the quantity at each location.
- The amount of mixed waste stored is recorded in the operating log. All wastes classified as hazardous are transported off-site by a registered hazardous waste hauler accompanied by a Uniform Hazardous Waste Manifest.
- Records and results of waste analysis, as applicable.
- Records of inspections of the storage areas and emergency and spill control equipment.
- Training records.
- Monitoring, testing, or analytical data and corrective action, where applicable.
- A certification that the hazardous waste storage areas have a program in place to reduce the volatile and toxicity of hazardous waste generated to the degree determined by the facility to be economically practicable and a description of the transfer, storage and disposal method.

9.2 Contingency Plan Incident Reports

The time, date, and details of any incident which requires implementing the Contingency Plan are included in the operating record. As discussed in the Contingency Plan in Section 6.0, within 15 days of an incident that requires implementation of the Contingency Plan at the mixed waste storage areas, the operator will submit a written report on the incident to DTSC. The report will include the following information:

- Name, address and telephone number of operator
- Name, address and telephone number of the facility
- Date, time and type of incident (e.g., fire, explosion).

- Name and quantity of material(s) involved.
- Extent of injuries (if any).
- Assessment of actual or potential hazards to human health or the environment.
- Estimated quantity and disposition of recovered material that resulted from the incident.

9.3 Annual Reports

An annual report, as required by 22 CCR 66264.75, will be submitted by March 1, or prior to any extension granted by DTSC, of each year on forms provided or approved by DTSC and will cover the previous calendar year. Requirements for the content and submission of the Annual Report will follow the most current reporting requirements as determined by DTSC and the EPA and includes such things as:

- Identification Number.
- Name and address of facility.
- Calendar year covered by the report.
- Method of transfer, treatment, storage, or disposal of hazardous waste.
- Most recent closure cost estimates for the hazardous waste storage areas.
- Signed Certification.
- Environmental monitoring data
- Certification for wastes shipped off-site.
- A description of efforts undertaken to reduce volume and toxicity of wastes generated.
- A description of changes in volume and toxicity of waste achieved in current year versus prior years.

9.4 Additional Reporting Requirements

SONGS will also report plans for closure of the mixed waste storage areas, when applicable. In addition, within 60 days of completion of partial closure, or within 60 days of completion of final closure, SONGS will submit to DTSC, a certification that the mixed waste storage area(s) have been closed in accordance with the specifications in the approved closure plan. If the closure of the hazardous waste area(s) occurs as part of the total closure of the entire facility, then the closure procedures followed will be included in the Facility's overall Decommissioning Plan. In either case, the certification will be signed by the Company and a professional engineer (PE) registered in the state of California.

SONGS will notify the DTSC at least 30 days in advance of any physical alterations or additions to the storage areas. In addition, advance notice will be given of any planned changes to the storage areas that may require a permit modification as prescribed in 22 CCR 66270.42.

9.5 Manifests

All off-site disposal shipments of hazardous and mixed wastes from SONGS are manifested in accordance with 22 CCR 66264.71. The manifests are retained as part of the operating record for three years after the date the waste was accepted by the initial transporter. All supporting data/documentation used to determine if the wastes are prohibited will be kept on file at the San Onofre Nuclear Generating Station. All notices, certifications, demonstrations, waste analysis data and other documentation produced pursuant to the Land Disposal Restrictions regulations will be retained for at least 5 years from the date that the waste that is the subject of such documentation was last sent to off-site treatment, storage, or disposal. Specifically:

- The treatment facility will be notified in writing of the appropriate treatment standards for each shipment of restricted waste. This notification will include 1) the EPA Hazardous Waste Number and California Waste Code; 2) the corresponding treatment standard; 3) the manifest number associated with the shipment of the waste; and 4) the waste analysis data, where available.
- The TSD facility will be provided with a notice and a certification for each shipment of restricted waste that has been treated at the SONGS to meet the treatment standards. The certification will state that the waste meets the applicable treatment standards set forth in Articles 4 and 11 of Chapter 18 of 22 CCR and the applicable prohibitions set forth in 22 CCR 66268.32 or RCRA section 3004(d). This notice will include the 4 notification items listed above for the shipment of all untreated, restricted waste. The certification will be signed by an authorized representative of SCE in accordance with 22 CCR 66268.7(b).

Section 10.0

SOLID WASTE MANAGEMENT UNITS

10.0 SOLID WASTE MANAGEMENT UNITS

All solid waste management units (SWMU) are listed on Attachment 10-1 and shown on Attachment 10-2. Each of the SWMU's was identified during the Tiered Permitting Program. The list includes the units permitted and the units identified in the Phase I Environmental Assessment that was submitted to DTSC on December 31, 1996. The assessment identified the solid waste management units, presented an inspection each unit, and noted if any actual or suspected releases may have occurred.

As requested by DTSC, Attachment 10-3 is a completed RCRA Facility Assessment Questionnaire and a copy of the 1996 Phase I Assessment. None of the SWMU's requires additional characterization because: 1) the 1996 Assessment did not require further investigation; 2) the unit was "closed" with DTSC; 3) the unit was characterized as non-hazardous; or 4) the permitted unit no longer requires authorization. Pertinent correspondence with DTSC is provided in Attachment 10-4. The permitted units are described more fully in Section 4.

10.1 Releases from SWMU's

Based on the assessment made of the Tiered Permitting facilities and the weekly inspections made of the remaining SWMU's, there has been no evidence of a release from any of the solid waste management units.

Attachment 10-1

LIST OF SOLID WASTE MANAGEMENT UNITS

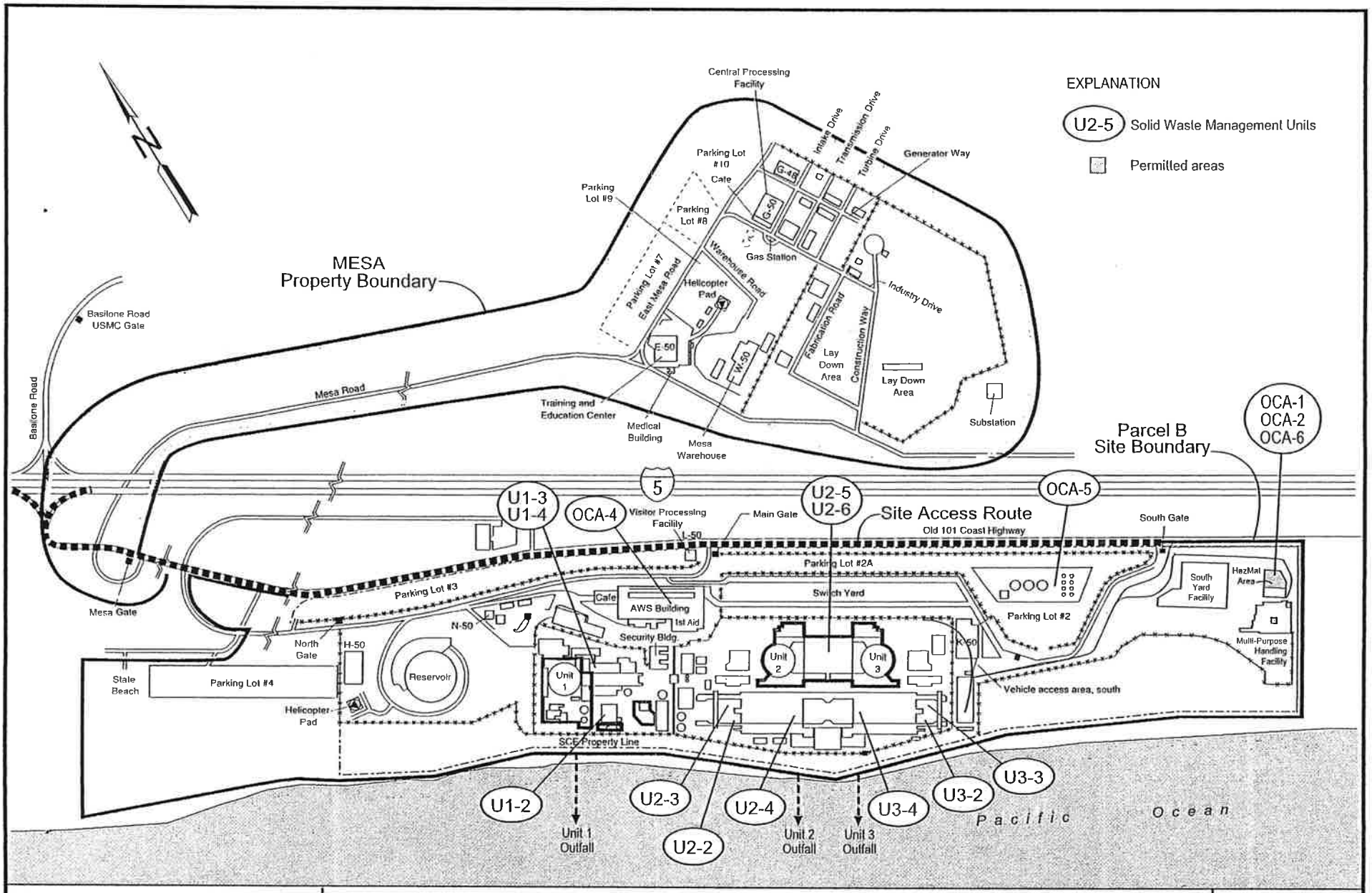
Attachment 10-1: List of Solid Waste Management Units

San Onofre Nuclear Generating Station

Category	SWMU No.	Plant Identity	Description	Maximum Volume Treated Monthly	1996 Assessment	Comments
Surface Impoundment(s)	1		Evaporator Pond		No Action Required	
	2		U 1 Reservoir		No Action Required	
	3		U 2 Diesel Fire Pump Fuel Tank		No Action Required	
	4		U 2 FFCPD Day Tanks		No Action Required	Ammonium hydroxide, H2S04, NaOH
	5		U 2/3 Clean & Dirty Lube Oil Tanks		No Action Required	
	6		U 2/3 Sodium Hypochlorite Tank		No Action Required	
	7		U 2 Caustic Tank, U 2 H2S04 Tank		No Action Required	
	8		U 2/3 Ammonia Tank		No Action Required	
	9		U 3 Caustic Tank, U3 Acid Tank		No Action Required	
	10		U 3 FFCPD Day Tanks		No Action Required	Ammonium hydroxide, H2S04, NaOH
	11		HFMUD		No Action Required	Bulk H2S04, NaOH, day tanks, N2H4
Container Storage Area(s)	12		East Road Haz Mat Staging/Storage Area		No Action Required	HM treatment/storage areas
	13		U 2 Crane Bay Haz Mat Area		No Action Required	HM treatment/storage areas
	14		Truckbay Haz Mat Staging Storage Area		No Action Required	
	15		SYF Mixed Waste Area		No Action Required	
	16		SYF Batch Plant Mixed Waste/Haz Mat Area		No Action Required	
Wast Treatment Unit(s)	17		Oily Waste Flotation Separator U 3		No Action Required	
	18		U 2 Oily Waste Separator		No Action Required	
	19	B	Oil Separator, Unit 1		Non-Hazaroudous	Reclassified; Influent is not hazardous (was U1-1)
	20	C	Oil Separator, Primary		Non-Hazaroudous	Reclassified; Influent is not hazardous (was U2-1)
	21	D	Oil Separator, Back-up		Non-Hazaroudous	Reclassified; Influent is not hazardous (was U3-1)
	22	E	Oil Separator, AWS Fire Station		Non-Hazaroudous	Reclassified; Influent is not hazardous (was OCA-3)
	23	OCA-1	Drum Crusher	10,000 lbs	Tiered Permit	Included in Part B Permit Application
	24	OCA-2	Aerosol Puncturing Device	2,000 lbs	Tiered Permit	Included in Part B Permit Application
	25	U2-5	Reactor Lab Acid/Base Neutralization	<55	Tiered Permit	Included in Part B Permit Application
	26	U2-6	Turbine Lab Acid/Base Neutralization	<55	Tiered Permit	Included in Part B Permit Application
	27	OCA-6	Mixed Waste Processing Unit for Oil	500 gal	Tiered Permit	Included in Part B Permit Application
	28	OCA-4	Silver Recovery Unit - CDM		Closed	Unit Closed
	29	U1-2	Oil Separator, Temp. Back-up (Baker Tanks)		Non-Hazaroudous	Reclassified; Influent is not hazardous.
	30	U1-3	Neutralizing acidic or alkaline material		Closed	Stopped treatment in early 1994. 5-gal containers were tripe rinsed and moved to 2/3: Ltr to DTSC 11/6/95
	31	U1-4	Neutralizing acidic or alkaline material		Closed	Stopped treatment in early 1994. 5-gal containers were tripe rinsed and moved to 2/3: Ltr to DTSC 11/6/95
	32	U2-2	Neutralizing acidic or alkaline material - LCS		DTSC Exemption	Exemption Notification 3/16/95
	33	U2-3	Neutralizing acidic or alkaline material -HCS		DTSC Exemption	Exemption Notification 3/16/95
	34	U2-4	Neutralizing acidic or alkaline material - BPS		DTSC Exemption	Exemption Notification 3/16/95
	35	U3-2	Neutralizing acidic or alkaline material - LCS		DTSC Exemption	Exemption Notification 3/16/95
	36	U3-3	Neutralizing acidic or alkaline material - HCS		DTSC Exemption	Exemption Notification 3/16/95
	37	U3-4	Neutralizing acidic or alkaline material - BPS		DTSC Exemption	Exemption Notification 3/16/95
	38	OCA-5	Neutralizing acidic or alkaline material - HFMUD		DTSC Exemption	Exemption Notification 3/16/95
Accumulation Area(s)	39		B-66 Painters Shop (inside)		No Action Required	
	40		U 2/3 Lube Oil Locker		No Action Required	
	41		K-10 Maintenance Shop		No Action Required	
	42		SYF Maintenance Area		No Action Required	
Loading and Unloading Areas for Solid Wastes	43		K-40 Warehouse Area		No Action Required	
Other Waste Handling Areas	44		B-66 Painters Shop (Outside)		No Action Required	

Attachment 10-2

LOCATION OF SOLID WASTE MANAGEMENT UNITS



LOCATION OF SOLID WASTE MANAGEMENT UNITS

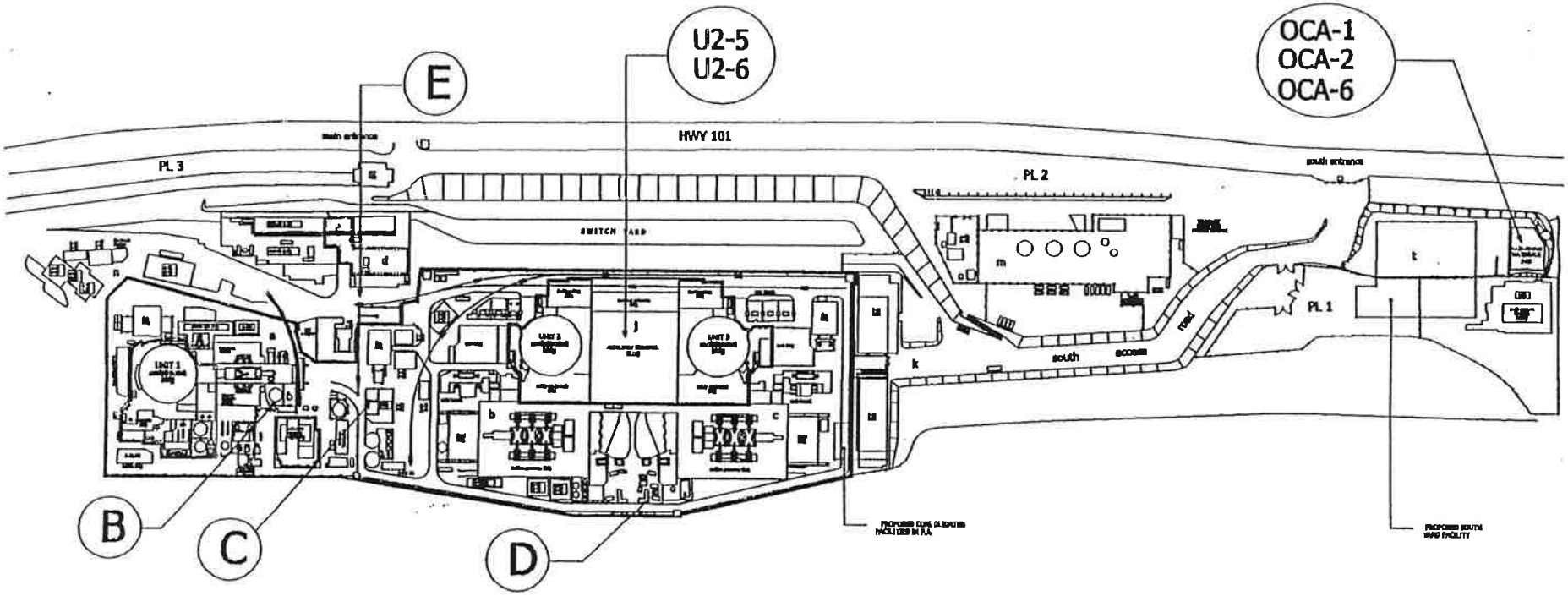
San Onofre Nuclear Generating Station

Southern California Edison, San Diego County, California

Figure **10-2**

January 2001

BayArtDept.com



SITE PLAN

REVISIONS	DATE	BY	APPROVALS	DATE
MISC. REVISIONS	06/26/92	MS		
MISC. REVISIONS	03/31/92	MS		
GENERAL UPDATE	06/12/91	MS		

Southern California Edison

SITE FACILITIES PLANNING
san onofre nuclear gen station
SITE PLAN (SKD)

DATE	DRAWN BY	SCALE
4/13/88	K.SMITH	1"=400'-0"

SHEET NO.
sp1
___ OF ___ SHTS.

Attachment 10-3

RCRA FACILITY ASSESSMENT QUESTIONNAIRE

RCRA FACILITY ASSESSMENT QUESTIONNAIRE

U.S. ENVIRONMENTAL PROTECTION AGENCY
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

FACILITY NAME:	San Onofre Nuclear Generating Station
EPA I.D. NUMBER:	CAD 000630921
LOCATION ADDRESS:	5000 Pacific Coast Highway
CITY:	San Clemente
STATE:	California
NAME OF OPERATOR:	Southern California Edison
OPERATOR ADDRESS:	5000 Pacific Coast Highway San Clemente, CA 92672
NAME OF OWNER:	Edison International
OWNER ADDRESS:	Southern California Edison 2244 Walnut Grove Ave Rosemead, CA 91770

INSTRUCTIONS

The information sought by the following questionnaire is being requested under the authority of Section 3007 of the Resource Conservation and Recovery Act (RCRA) as amended by the HSWA amendments, and under Section 25358.1 of the California Health and Safety Code pursuant to federal and state corrective action programs for hazardous waste facilities subject to permits.

A person handling hazardous waste who fails to provide information requested under the sections cited above within sixty days of the date of receipt of the questionnaire is in violation of hazardous waste laws and regulations and is therefore subject to enforcement actions under section 3008 of RCRA, and Chapter 6.8 of the California Health and Safety Code, and also subject to the revocation or denial (as applicable) of his state and federal hazardous waste facility permits.

All pertinent facility records must be reviewed and all available sources of information investigated in order to obtain the information requested in this questionnaire including the personal recollection of longtime employees and past owners and operators.

Complete the questionnaire and add pages, provide self contained documentation, photographs, and drawings as needed. Relevant definitions are provided at the end of the questionnaire.

INFORMATION REGARDING POTENTIAL RELEASES FROM HAZARDOUS WASTE MANAGEMENT UNITS

1. Are there or have there ever been any of the following solid waste[1] management units[2] (existing or closed) at your facility?
Note: Do not include hazardous waste units currently shown in your most recent Part A or B applications

		Yes	No
*	Landfill(s)		✓
*	Surface Impoundment(s)	✓	
*	Land Farm(s)		✓
*	Incinerator(s)		✓
*	Storage Tank(s) (above ground)	✓	
*	Storage Tank(s) (below ground)		✓
*	Container Storage Area(s)	✓	
*	Container Cleaning Areas or Units		✓
*	Injection Well(s)		✓
*	Waste Water Treatment and Pre-Treatment Units		✓
*	Waste Treatment Units	✓	
*	Transfer Stations and Accumulation Areas	✓	
*	Waste Recycling Operations		✓
*	Waste Piles		✓
*	Process Collection Sumps, Collection Basins, etc.		✓
*	Loading and Unloading Areas for Solid Wastes	✓	
*	Coupling and Decoupling Areas for Transfer of Solid Wastes		✓
*	Air Emission Control by-product Accumulation areas		✓
*	Other Waste Handling Areas	✓	

---

[1] *"Solid Waste" does not refer to waste in a specific physical state but to EPA's definition of wastes subject to RCRA found in Section 1004 (27) of RCRA. Solid Waste includes specific solid, liquid, semisolid, and gaseous materials.*

[2] *"Solid Waste Management Unit" means any discernible unit at which solid wastes have been placed at any time, irrespective of whether the unit was intended for the management of solid hazardous waste. Such units include any area at a facility at which solid wastes have been routinely and systematically released.*

2. If there are "Yes" answers to any of the questions in Section 1 above, please:

   a. Provide a description of the wastes that were or are being stored, treated, disposed or otherwise handled in those units.

   b. State whether or not the wastes would be considered hazardous[3] and whether or not they contain hazardous constituents[4] under RCRA regardless of the dates in which the waste management occurred at the units.

   c. Include any available data on types and quantities of wastes disposed of in the units, if any, and the dates of disposal.

   d. Describe each unit and include information on its capacity, dimensions, and history and

   e. Show the specific location of every unit at the facility on a topographic map.

   f. Provide any other available information relative to each unit

   g. Include photographs of these units if they are available.

All SWMU's are discussed on the list on Attachment 10-1 and shown on Attachment 10-2. None of the SWMU's require any additional characterization because one of the following: 1) The December 1996 Phase I Environmental Assessment (attached) did not require further investigation; 2) The unit was "closed" with DTSC; 3) The unit was characterized as non-hazardous; or 4) The permitted unit does not require DTSC authorization because of a change in regulations.

---

[3] *"Hazardous Wastes" are those identified in 40 CFR Part 261.*

[4] *"Hazardous Constituents" are those listed in Appendix VIII of 40 CFR Part 261.*

3. Are there or have there ever been any of the following installations for the handling, storage and management of hazardous materials[5] at your facility?

These questions are answered in Question No. 1.

		Yes	No
*	Underground Storage Tanks	____	____
*	Above Ground Storage Tanks	____	____
*	Accumulation Piles	____	____
*	Ponds (lined or unlined)	____	____
*	Process Sumps and Catch Basins	____	____
*	Delivery areas	____	____
*	Coupling and Decoupling Transfer Areas	____	____
*	Evaporators	____	____

4. If there are "Yes" answers to any of the items in Number 3 above, please:

a. Provide a description of each installation.

b. Include information on its capacity, dimensions, and history.

c. show the specific location of every installation at the facility in a map.

d. Provide any other available information relative to these units.

e. Include photographs if available.

ADD PAGES AS NEEDED TO ANSWER ALL QUESTIONS

---

[5] *"Hazardous Materials" include those "Hazardous Substances" defined in CERCLA/SARA Section 101(14), and Section 25316 of the California Health and Safety Code, including any mixture containing a hazardous substance, and substances defined in RCRA Section 1004(5), and identified in 40 CFR Part 261, including all hazardous constituents listed in Appendix VIII of 40 CFR Part 261, and Appendix IX of 40 CFR Part 264, and any mixture containing hazardous waste or hazardous constituents.*

5. For the units noted in Number 1 and Number 3 above and also for those hazardous waste units in your Part A or Part B permit application, please provide data on any releases of hazardous materials, hazardous constituents, and hazardous waste to the environment that have occurred in the past or that may still be occurring. A release is defined as any spilling, leaking, pouring, emitting, emptying, discharging, injecting, pumping, or disposing of hazardous wastes, hazardous constituents or hazardous substances into the environment (including the abandonment of barrels, containers, and other closed receptacles containing hazardous wastes, hazardous constituents, or hazardous materials. (environment includes air, soil, underground waters, surface waters, etc.)

Based on the 1996 Assessment and the weekly inspections made on the remaining SWMU's, there has been no evidence of a release from any of the SWMU's. Please refer to Section 10 of the RCRA Part B Permit Application for more information.

6. For releases listed and described under number 5 above, provide (for each unit) any analytical data that may be available which would describe the composition, nature and extent of such releases.

Not Applicable

ADD PAGES AS NEEDED TO ANSWER ALL QUESTIONS

7. Provide the dates and information on locations of other product spills, leaks, drippings and other releases which have occurred or are recurring at your facility and any clean up operations which have occurred relative to these incidents, if any.

Not Applicable

ADD PAGES AS NEEDED TO ANSWER ALL QUESTIONS

SIGNATURE AND CERTIFICATION

As with reports in RCRA Permit Applications, submittal of this information must contain the certification below signed by the principal executive officer or by a duly authorized representative of that person. All pertinent facility records must be reviewed and all available sources of information investigated in order to obtain the requested information, including the personal recollection of longtime employees and past owners and operators.
A person handling hazardous waste who fails to provide information requested under Section 3007 of RCRA is in full violation of the law and it is therefore subject to enforcement action under section 3008 of RCRA, and subject to revocation or denial (as applicable) of its hazardous waste facility permit.

"I certify under penalty of law that I have personally examined and that I am familiar with the information submitted in this document and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining it, the information is true, accurate and complete. I am aware that there are very significant penalties for submitting false information, including the denial or revocation of the hazardous waste facility permit and the possibility of fine and imprisonment."

REGISTERED ENVIRONMENTAL ASSESSOR
BRIAN D METZ
No 07182
Expires 6/30/01
STATE OF CALIFORNIA

Recommended by:

Brian Metz, Supervisor Environmental Services — Date 1/16/01

Approved:

Howard W. Newton
Manager, Site Support Services
Southern California Edison, SONGS — Date 1/18/01

DEFINITIONS

"Facility" means all contiguous property under the control of the owner or operator seeking a permit under Subtitle C of RCRA. (47 FR 22288-9, July 26, 1982)"
Note: This definition is only for the purposes of the RCRA and State corrective action programs.

"Hazardous Substances" are those substances defined in CERCLA/SARA Section 101(14), and Section 25316 of the California Health and Safety Code, including any mixture containing a hazardous substance.

"Hazardous Wastes" are those defined in RCRA Section 1004(5), and identified in 40 CFR Part 261, and includes all hazardous constituents listed in Appendix VIII of 40 CFR Part 261, and Appendix IX of 40 CFR Part 264. the definition of hazardous waste also include any mixture containing hazardous waste or hazardous constituents. Hazardous wastes are also those meeting the criteria defined in Article 11 or listed in Article 10 of Title 22 of the California Code of Regulations.

"Hazardous Constituents" are those constituents listed in Appendix VIII, Part 261 of 40 CFR.

"Solid Waste Management Unit" means any discernible unit at which solid wastes have been placed <u>at any time</u>, irrespective of whether the unit was intended for the management of solid hazardous waste. Such units include any area at a facility at which solid wastes have been routinely and systematically released.

"Release" means any spilling, leaking, pouring, emitting, emptying, discharging, injecting pumping, escaping, leaching, dumping or disposing of hazardous waste and/or hazardous constituents into the environment.

SOUTHERN CALIFORNIA
EDISON
EDISON INTERNATIONAL Company

December 31, 1996

Department of Toxic Substances Control
Tiered Permitting Program
400 P. Street, Fourth Floor
P. O. Box 806
Sacramento, Ca 95812-0806

SUBJECT: Phase I Environmental Assessment Checklist for Conditionally Authorized Facility
Southern California Edison; San Onofre Nuclear Generating Station
EPA ID# CAD000630921

Enclosed is the Phase I Environmental Assessment Checklist with all appropriate sections, signature and certification pages.

If you have any questions regarding the checklist, please call Brian Metz at (714) 368-6829.

Sincerely,

H. W. Newton
Manager, Site Support Services

Enclosure

P. O. Box 128
San Clemente, CA 92674-0128

cc: M. J. Johnson
K. C. Yhip
B. D. Metz
IDB - Waste

TIERED PERMITTING PHASE I ENVIRONMENTAL ASSESSMENT CHECKLIST

TION I: FACILITY INFORMATION

Instructions: Complete the following descriptive information about your facility. This information accurately describes the location of your facility and establishes mailing and phone contacts. If facility location and mailing address are identical, you may put "same" into facility mailing address spaces.

Type of Permit: Permit by Rule _____ Conditional Authorization XX

1. CURRENT FACILITY NAME: Southern California Edison Company
San Onofre Nuclear Generating Station

_ PAST NAMES (Attach additional pages if necessary):

2. EPA I.D. NUMBER: CAD000630921

3. NAME OF FACILITY OWNER (see definition of owner): Southern California Edison Company

4. NAME OF FACILITY OPERATOR: Southern California Edison Company

5. NAME OF PROPERTY OWNER: Camp Pendleton USMC

6. FACILITY LOCATION ADDRESS: San Onofre Nuclear Generating Station

STREET: 5000 Pacific Coast Highway

CITY: San Clemente

COUNTY: San Diego

STATE: California ZIP CODE: 92672

7. FACILITY MAILING ADDRESS (if different from FACILITY LOCATION ADDRESS):

STREET: P. O. Box 128

CITY: San Clemente

STATE: California ZIP CODE: 92674-0128

8. FACILITY TELEPHONE NUMBER: 714-368-3000

9. FACILITY FAX NUMBER: 714-368-8910

10. NAME OF FACILITY CONTACT PERSON: Brian D. Metz

11. TITLE OF FACILITY CONTACT PERSON: Supervisor, Environmental Services

12. PHONE NUMBER OF FACILITY CONTACT PERSON: 714-368-6829

13. ADDRESS OF FACILITY CONTACT PERSON: Southern California Edison - SONGS
Brian D. Metz

STREET: P. O. Box 128 (W-44)

CITY: San Clemente

TATE: California ZIP CODE: 92674-0128

TIERED PERMITTING PHASE I ENVIRONMENTAL ASSESSMENT CHECKLIST

TION II: FACILITY HISTORY

Instructions: Complete this section regarding facility history based on reasonably available knowledge of the facility. This section will determine if past operating practices and significant historical events that occurred at the facility indicate potential areas of contamination. Current and past employees who know about the facility's past operating practices can be an asset in completing this section of the checklist. Yes answers to these questions mean that careful attention must be paid to these areas and considerations when completing the facility walk-through inspection.

		YES	NO
1.	Has an environmental assessment and/or a site investigation report ever been completed for the facility? If this assessment meets the criteria for substituting for this checklist (see Instructions), use the Signature and Certification Page to record this exemption. You need not release confidential assessments. However, if these reports indicate existing or potential contamination, you must use the information relied on by the confidential report to help reach a conclusion in this assessment.		XX
2.	To your knowledge, have areas of the facility that contain hazardous materials ever been flooded?		XX
3.	To your knowledge, has the facility ever been damaged by an earthquake that could cause contamination?		XX
4.	To your knowledge, has the location for the facility ever been used for industrial purposes prior to its current use? If YES, then consider potential contamination from the type of industry that the location was formerly used for.		XX
5.	To your knowledge, has there been any disposing of hazardous chemicals or hazardous wastes in, on, or under the property?		XX
6.	To your knowledge, has the facility ever had electrical transformers, capacitors, or hydraulic equipment including, but not limited to elevators and auto lifts, at the facility which may have released PCBs or oil to the environment? (Not including small quantities of fluorescent light ballasts and capacitors if these materials were not disposed of or dismantled at the facility) If YES, was the equipment ever tested for the presence of PCBs?		XX
7.	To your knowledge, has testing of any groundwater wells on the property ever revealed possible contamination?		XX
8.	Do you have in your possession, or do you know of the existence of any photographs, geophysical reports, analytical test data, and/or air sampling data that indicates the possible presence of hazardous materials and/or waste in unwarranted or unexpected areas of the facility?		XX
9.	To your knowledge, has the facility ever had liquid/sludge containment area(s), surface impoundment(s), collection pond(s), and/or lagoon(s)?	XX	
10.	To your knowledge, have land-farming or bioremediation been used at the facility?		XX

TIERED PERMITTING PHASE I E ENTAL ASSESSMENT CHECKLIST

SECTION I. ILITY WALK-THROUGH INSPECTION - SPECIFIC AREAS

Instructions: List each portion of the facility where hazardous materials are present. The listing area is divided into functional divisions for convenience. Individual units may be grouped on the chart, but must be individually inspected. Carefully examine each of these areas during the walk-through inspection to determine the presence of releases or possible releases and record the results in the appropriate column, date and intial the entry. Complete a Release Information Data Sheet for each actual and possible release found. Using your best judgement, decide if any actual or suspected releases found require further investigation and record the results on the Release Information Data Sheet and in the appropriate column on this chart. If you need additional space, photocopy this sheet.

HAZARDOUS MATERIAL AREA		INSPECTED (Yes or No)	ACTUAL OR SUSPECTED RELEASE (Yes or No)	REQUIRES FURTHER INVESTIGATION (Yes or No)
LOADING/UNLOADING AREAS				
K-40 Loading / Unloading Warehouse Area	1250	Y 12/30/96	No	No
HAZARDOUS MATERIALS USE AREAS				
B-66 Painters Shop (inside)(bermed)	1320	Y 12/30/96	No	No
U2 Diesel Fire Pump Fuel Tank (bermed)	1322	Y 12/30/96	No	No
U2 FFCPD Day Tanks (ammonium hydroxide, H2SO4, NaOH)(bermed)	1324	Y 12/30/96	No	No
U2/3 Clean & Dirty Lube Oil Tanks (bermed)	1325	Y 12/30/96	No	No
HAZARDOUS WASTE GENERATION AREAS				
B-66 Painters Shop (outside)	1315	Y 12/30/96	No	No
Section II, #9, Evaporator Pond (no longer exists)	1515	Y 12/30/96	No	No
HAZARDOUS WASTE TREATMENT/STORAGE AREAS				
East Road Haz Mat Staging / Storage Area (bermed)	1300	Y 12/30/96	No	No
U2 Crane Bay Haz Mat Area; Section II, #18 (no longer exists)	1320	Y 12/30/96	No	No

TIERED PERMITTING PHASE I E ENTAL ASSESSMENT CHECKLIST

SECTION I :ILITY WALK-THROUGH INSPECTION - SPECIFIC AREAS

Instructions: List each portion of the facility where hazardous materials are present. The listing area is divided into functional divisions for convenience. Individual units may be grouped on the chart, but must be individually inspected. Carefully examine each of these areas during the walk-through inspection to determine the presence of releases or possible releases and record the results in the appropriate column, date and initial the entry. Complete a Release Information Data Sheet for each actual and possible release found. Using your best judgement, decide if any actual or suspected releases found require further investigation and record the results on the Release Information Data Sheet and in the appropriate column on this chart. If you need additional space, photocopy this sheet.

HAZARDOUS MATERIAL AREA		INSPECTED (Yes or No)	ACTUAL OR SUSPECTED RELEASE (Yes or No)	REQUIRES FURTHER INVESTIGATION (Yes or No)
LOADING/UNLOADING AREAS				
HAZARDOUS MATERIALS USE AREAS				
U2/3 Sodium Hypochlorite Tank (bermed)	1325	Y 12/30/96	No	No
U2 Caustic Tank, U2 H2SO4 Tank (bermed)	1327	Y 12/30/96	No	No
U2/3 Ammonia Tank	1326	Y 12/30/96	No	No
U2/3 Lube Oil Locker (bermed)	1328	Y 12/30/96	No	No
HAZARDOUS WASTE GENERATION AREAS				
Oily Waste Floatation Separator U3	1329	Y 12/30/96	No	No
HAZARDOUS WASTE TREATMENT/STORAGE AREAS				

TIERED PERMITTING PHASE I E' ENTAL ASSESSMENT CHECKLIST

SECTION I 'ILITY WALK-THROUGH INSPECTION - SPECIFIC AREAS

Instructions: List each portion of the facility where hazardous materials are present. The listing area is divided into functional divisions for convenience. Individual units may be grouped on the chart, but must be individually inspected. Carefully examine each of these areas during the walk-through inspection to determine the presence of releases or possible releases and record the results in the appropriate column, date and initial the entry. Complete a Release Information Data Sheet for each actual and possible release found. Using your best judgement, decide if any actual or suspected releases found require further investigation and record the results on the Release Information Data Sheet and in the appropriate column on this chart. If you need additional space, photocopy this sheet.

HAZARDOUS MATERIAL AREA		INSPECTED (Yes or No)	ACTUAL OR SUSPECTED RELEASE (Yes or No)	REQUIRES FURTHER INVESTIGATION (Yes or No)
LOADING/UNLOADING AREAS				
HAZARDOUS MATERIALS USE AREAS				
U3 Caustic Tank, U3 Acid Tank (Bermed)	1335	Y 12/30/96	No	No
U3 FFCPD Day Tanks (ammonium hydroxide, NaOH, H2SO4) (bermed)	1348	Y 12/30/96	No	No
HFMUD (buld H2SO4, NaOH; day tanks; H2SO4, NaOH, N2H4) (bermed)	1415	Y 12/30/96	No	No
U1 Reservoir	1500	Y 12/30/96	No	No
HAZARDOUS WASTE GENERATION AREAS				
K-10 Maintenance Shop	1350	Y 12/30/96	No	No
U2 Oily Waste Separator	1355	Y 12/30/96	No	No
SYF Maintenance Area	1455	Y 12/30/96	No	No
HAZARDOUS WASTE TREATMENT/STORAGE AREAS				
Truckbay Haz Mat Staging Storage Area (bermed)	1340	Y 12/30/96	No	No
SYF Mixed Waste Area (bermed)	1430	Y 12/30/96	No	No
SYF Batch Plant Mixed Waste / Haz Mat Area (bermed)	1436	Y 12/30/96	No	No

TIERED PERMITTING PHASE I ENVIRONMENTAL ASSESSMENT CHECKLIST

TION IV: FACILITY WALK-THROUGH INSPECTION - OTHER AREAS

..ructions: This section of the checklist requires the owner and/or operator of the facility to conduct a walk-through inspection of the those portions of the facility not addressed in Section III in order to identify possible environmental problems, environmental warning signs or potential exposure to people, animals, or plants. Some of the problems that may be discovered during this inspection include abandoned storage tanks, spill areas, surface impoundments, etc. Some of the environmental warning signs include stains, discolored vegetation, and/or unnatural terrain. During the inspection, were any of the following present:

		YES	NO
1.	Does the facility have vent pipes, fill pipes, and/or access routes that may indicate the presence of an underground storage tank?		XX
2.	Does the facility have stains and/or discolorations of the soil, flooring, drains and/or walls at the facility which may indicate a release to the environment that has not or is not being addressed under the oversight of an appropriate agency?		XX
3.	Does the facility have areas of soil at the facility that appear disturbed and which may indicate onsite disposal or land treatment of hazardous materials or remediation of releases without oversight by an appropriate agency?		XX
4.	Does the facility have areas at the facility where the terrain appears unnatural, such as unexplained mounds or depressions?		XX
5.	Does the facility have unusual smells or odors emanating from the soil, floor, drains, and/or walls at the facility?		XX
6.	Does the facility have dead, abnormal, or distressed-looking vegetation or conspicuous absence of vegetation at the facility that is not directly explainable by a deliberate action and/or lack of water at the site?		XX

7. Where does rain and/or washwater drain to at the facility? (circle all that apply) Note: slightly contaminated storm or washwater can seriously contaminate evaporation or settling areas (with no drainage) over a period of time.

(a) Storm Drain
(b) Sewer
(c) Drainage Ditch
(d) Open Land
(e) Areas of pooling, settling, or evaporation/U1 Reservoir
(f) Other combined discharge (NPDES Permit)

NONE REQUIRED

AREA OF CONCERN DATASHEET

Instructions: Complete the following questions in detail for EACH release or suspected release identified in Section III FACILITY WALK-THROUGH INSPECTION - SPECIFIC AREAS or SECTION IV FACILITY WALK-THROUGH INSPECTION - OTHER AREAS and any other known or suspected releases. Do not include areas that have been or are being remediated under the oversight of an appropriate agency. If answers to questions are not known, then state "unknown".

1. Facility name:

2. This sheet is being completed for a:

   Known release _____ Suspected release _____ .

3. How was this release or suspected release discovered?

   During the walk-through inspection? _____ Previously known release? _____

   What checklist question(s) are related to this release (section/question)_____

4. When did the release occur?

5. What was released and how much?

6. What caused the release?

7. Indicate the approximate area of the release (e.g. 3 feet in diameter, 5 feet X 4 feet.)

8. Was the release remediated? If YES, explain how. (Note: A datasheet need not be completed for releases remediated or being remediated under the oversight of an appropriate agency.

9. Were samples collected? If yes, what were the results?

10. List any environmental reports or studies performed on the area of concern and attach copies or summaries of the reports not submitted to the Department.

    Name of preparer:

    Title of preparer: Date:

TIERED PERMITTING PHASE I ENVIRONMENTAL ASSESSMENT CHECKLIST

SIGNATURE AND CERTIFICATION FOR PERMIT-BY-RULE AND CONDITIONAL AUTHORIZATION

Instructions: Carefully read the certification below. If you feel uncomfortable signing this certification, review the instructions and the information developed in the preparation of the checklist and correct any deficiencies you have found. Be sure that you check one of the boxes below to record your decision regarding further investigation. If you are claiming exemption from completing a Phase I Environmental Assessment, complete that section below.

Either the owner, operator, or independent professional engineer, geologist, or an environmental assessor who is registered in the State of California, shall certify to the following statement by signing on the appropriate lines below:

___ Yes, further investigation is needed to determine the existence, nature, and/or extent of contamination at the facility; or

XX No, further investigation is not necessary to determine the existence, nature, and/or extent of contamination at the facility.

___ I am exempt from completing the checklist and/or from resulting followup work. [Please state reason for exemption below and supply documentary evidence (see instructions)]. Explanation:

_____

_____

"Under penalty of perjury, I certify that I have personally examined and am familiar with the information submitted in this document and all attachments, and based on my inquiry of those individuals immediately responsible for obtaining it, the information is true, accurate, and complete to the best of my knowledge. Thus informed, I certify to my best judgement that the conclusion recorded above regarding further investigation or exemption from completion of the Phase I Environmental Assessment is correct.

Owner's Signature	Name, Title, and Company Name	Date
	H. W. Newton; Manager, Site Support Services So Cal Edison	12/31/96

Or:

Operator's Signature (If Owner is not Operator)	Name, Title, and Company Name	Date

Or: Certification by an independent professional engineer, geologist, or environmental assessor who is registered in the State of California. Certification by a registered professional is optional for Permit-By-Rule and Conditionally Authorized Generators. Sign and affix stamp.

Signature	Name, Title, Registration Number	Date
	Mary Jane Johnson Supervisor Environmental Protection REA-05135	12/31/96

Attachment 10-4

CORRESPONDENCE WITH DTSC

SOUTHERN CALIFORNIA
EDISON
An EDISON INTERNATIONAL Company

December 29, 1999

Mr. John Misleh
Department of Environmental Health
Hazardous Materials Division
P.O. Box 12961
San Diego, CA 92112-9261

SUBJECT: Closure Notification for Conditionally Exempt-Specified Wastestream, Units M6 and OCA-4 located at Southern California Edison, San Onofre Nuclear Generating Station.

Dear Mr. Misleh;

This is the closure notification for two Conditionally Exempt-Specified Wastestream, Tiered Permit Unit ID numbers M6 (Silver Recovery Unit - Medical), under EPA ID #CAD983629650 and OCA-4 (Silver Recovery Unit - CDM), under EPA ID #CAD000630921. Both units are for silver recovery treatment, which are exempt from Tiered Permitting pursuant to Senate Bill (SB) 2111.

If you should have any questions, please call Brian Metz at (949) 368-6829.

Sincerely,

H.W. Newton
Manager, Site Support Services

cc: Mike Dorsey (DEH)
MJJohnson
DJEnsminger
BDMetz
IDB-Hazmat
CDM

P. O. Box 128
San Clemente, CA 92674-0128

STA E OF CALIFORNIA—CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, *Governor*

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

400 P STREET, 4TH FLOOR
). BOX 806
AMENTO, CA 95812-0806
(916) 323-5871

December 5, 1995

EPA ID: CAD000630921

SO CAL EDISON CO/SAN ONOFRE NUC GEN STA
H W NEWTON
#1,2&3/PO BOX 128 (W-44)
SAN CLEMENTE, CA 92674

Initial Authorization: 12/15/93
Amendment Date: 11/16/95

For facility located at:
PACIFIC COAST HWY #2 & 3
SAN CLEMENTE, CA 92674

Dear Onsite Treatment Facility:

The Department of Toxic Substances Control (DTSC) has received your facility specific Amended notification (form DTSC 1772). Your notification is administratively complete, but has not been reviewed for technical adequacy. A technical review of your notification will be conducted when an inspection is performed. At any time, you may be inspected and will be subject to penalty if violations of laws or regulations are found.

The Department acknowledges receipt of your completed Amended notification for the treatment unit(s) listed on the last page of this letter. These units are authorized by California law without additional Department action. Your authorization to operate continues until you notify DTSC that you have stopped treating waste and have fully closed the unit(s). DTSC has revised its database records to reflect your status and has notified the Board of Equalization (BOE). You will be billed annual fees by BOE calculated on a calendar year basis for each year you operate and/or have not notified DTSC that the units have been closed.

If you have any questions regarding this letter, or have questions on operating requirements for your facility, please contact the nearest DTSC regional office, or this office at the letterhead address or telephone number.

Sincerely,

Ann M Carling for

Sengat Kais, Ph.D., Chief
Tiered Permitting Compliance Section
State Regulatory Program Division

cc: See next page.

Printed on Recycled Paper

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
400 P STREET, 4TH FLOOR
BOX 806
SACRAMENTO, CA 95812-0806

cc:

SONIA LOW
DTSC REGION 4 OFFICE
SURVEILLANCE & ENFORCEMENT BR.
245 WEST BROADWAY, SUITE 350
LONG BEACH, CA 90802

GARY STEPHANY
SAN DIEGO COUNTY
ENVIRONMENTAL HEALTH SERVICES
1255 IMPERIAL AVENUE, 4TH FLR
P.O. BOX 85261
SAN DIEGO, CA 92186

STATE BOARD OF EQUALIZATION
STEPHEN R. RUDD, ADMINISTRATOR
ENVIRONMENTAL FEES DIVISION
P.O. BOX 942879
SACRAMENTO, CA 94279-0001

Units authorized to operate at this location:

UNDER CONDITIONAL AUTHORIZATION:	OCA-6
UNDER CONDITIONAL EXEMPTION:	OCA-1
UNDER CONDITIONAL EXEMPTION:	OCA-2
UNDER CONDITIONAL EXEMPTION:	OCA-4
UNDER CONDITIONAL EXEMPTION:	U2-5
UNDER CONDITIONAL EXEMPTION:	U2-6

Printed on Recycled Paper

Southern California Edison Company

P. O. BOX 128

SAN CLEMENTE, CALIFORNIA 92674

H. W. NEWTON
MANAGER
SITE SUPPORT SERVICES

TELEPHONE
(714) 368-9940

November 6, 1995

Department of Toxic Substances Control
Onsite Hazardous Waste Treatment Unit
400 P Street
P. O. Box 806
Sacramento, CA 95812-0806

SUBJECT: Closure Notification for Conditionally Exempt-Specified Wastestream
Units # U1-3 and # U1-4
San Onofre Nuclear Generating Station EPA ID# CAD000630921

The two conditionally exempt-specified wastestream units # U1-3 and # U1-4 (neutralizing acidic or alkaline [base] material by a State Certified Laboratory) were closed according to the requirements pursuant to the Hazardous Waste Control Law.

The two units stopped treatment in early 1994. In August 1995, the laboratory recertification by Department of Health Services (DHS) took place. At that time, management chose not to recertify the Unit 1 labs. The 5 gallon containers used for the neutralization were removed in August 1995 and were taken to the other two onsite DHS approved laboratories (these are also tier permitted).

Attached is also a revised onsite hazardous waste treatment notification form, requested by the Department of Toxic Substances Control - Long Beach. If you have any questions, please call Brian Metz at (714) 368-6829 or MaryJane Johnson at (714) 368-6651.

Sincerely,

H. W. Newton
Manager, Site Support Services

ep951030.bdm
Enclosures
cc: Department of Toxic Substances Control
245 West Broadway, Suite 350
Long Beach, CA 90802

Southern California Edison Company

P. O. BOX 128

SAN CLEMENTE, CALIFORNIA 92674

H. W. NEWTON
MANAGER
SITE SUPPORT SERVICES

TELEPHONE
(714) 368-9940

March 16, 1995

Department of Toxic Substances Control
Program Data Management Section
Exemption Notification
400 "P" Street, 4th Floor, Room 4453
P.O. Box 806
Sacramento, California 95812-0806

SUBJECT: Exemption Notification of Treatment Units in the Tiered Permitting Program
San Onofre Nuclear Generating Station

REFERENCE: New Laws Exempt Wastestreams in the Tiered Permitting Program
from P. Rasmussen to Interested Parties, dated 2/17/95

Based on upon the aboved referenced letter it has been determined that Unit ID numbers U2-2 U2-3, U2-4, U3-2, U3-3, U3-4 and OCA-5 no longer require authorization. As your letter instructs, we have enclosed two copies of the Notification of Exemption of Treatment Unit Form for each of these units. If you should have any questions, please call Brian Metz of my staff at (714) 368-6829.

Sincerely,

H. W. NEWTON
Manager, Site Support Services

BDM95042.lsp

cc: Department of Toxic Substances Control
245 W. Broadway, Suite 350
Long Beach, CA 90802

STATE OF CALIFORNIA—CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, Governor

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
400 P STREET, 4TH FLOOR
P.O. BOX 806
SACRAMENTO, CA 95812-0806
(916) 323-5871

June 12, 1995

EPA ID: CAD000630921

SO CAL EDISON CO/SAN ONOFRE NUC GEN STA
H W NEWTON
#1,2&3/PO BOX 128 (W-44)
SAN CLEMENTE, CA 92674

For facility located at:

PACIFIC COAST HWY #2 & 3
SAN CLEMENTE, CA 92674-0128

Authorization Date: 12/15/93

Dear Conditionally Authorized and/or Conditionally Exempt Facility:

ACKNOWLEDGEMENT OF UNITS OPERATING UNDER CONDITIONAL AUTHORIZATION AND/OR CONDITIONAL EXEMPTION

The Department of Toxic Substances Control (DTSC) has received your facility specific notification (form DTSC 1772) and forms for Conditional Authorization and/or Conditional Exemption for Specified Wastestreams (form DTSC 1772B and/or 1772C). Your notifications are administratively complete, but have not been reviewed for technical adequacy. A technical review of your notifications will be conducted when an inspection is performed. At any time, you may be inspected and will be subject to penalty if violations of laws or regulations are found.

The Department acknowledges receipt of your completed notification for the treatment unit(s) listed on the last page of this letter. These units operating under Conditional Authorization or Conditional Exemption are authorized by California law without additional Department action, pursuant to Health and Safety Code sections 25200.3 and 25201.5. Your authorization to operate continues until you notify DTSC that you have stopped treating waste and have fully closed the unit(s). You will be charged annual fees calculated on a calendar year basis for each year you operate and have not notified DTSC that the units have been closed.

You must notify the DTSC 60 days before first treating hazardous wastes in any new unit. You must also notify the DTSC whenever any of the information you provided in these notifications changes. To revise information, mail a cover letter to the above address explaining the changes, attach only the pages of your notification package that have changed, and re-sign and date at the signature space on page 3 of form 1772.

Your status to operate under Conditional Authorization and/or Conditional Exemption is contingent upon the accuracy of information submitted by you in the notifications mentioned above, and your compliance with all applicable requirements in the Health and Safety Code. Any misrepresentation or any failure to fully disclose all relevant facts shall render your authorization to operate null and void.

You are also required to properly close any treatment unit. Additional guidance on closure will be issued and distributed to all authorized onsite facilities later this year.

Printed on Recycled Paper

If you have any questions regarding this letter, or have questions on operating requirements for your facility, please contact the nearest DTSC regional office, or this office at the letterhead address or phone number.

Sincerely,

Michael S. Horner, Chief
Onsite Hazardous Waste Treatment Unit
Permit Streamlining Branch
Hazardous Waste Management Program

Enclosure

cc: SONIA LOW
DTSC REGION 4 OFFICE
SURVEILLANCE & ENFORCEMENT BR.
245 WEST BROADWAY, SUITE 350
LONG BEACH, CA 90802

GARY STEPHANY
SAN DIEGO COUNTY
ENVIRONMENTAL HEALTH SERVICES
1255 IMPERIAL AVENUE, 4TH FLR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261

ENCLOSURE 1

Units authorized to operate at this location:

UNDER CONDITIONAL AUTHORIZATION:

OCA-6

UNDER CONDITIONAL EXEMPTION:

OCA-1	OCA-2	OCA-4	U1-3
U1-4	U2-5	U2-6	

STATE OF CALIFORNIA—ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, Governor

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
400 P Street, 4th Floor
P.O. Box 806
mento, CA 95812-0806

) 323-5871

01/19/94

EPA ID: CAD000630921

SO CAL EDISON CO/SAN ONOFRE NUC GEN STA
BRIAN METZ
#1,2&3 - PO BOX 128 (W-44)
SAN CLEMENTE, CA 92674

For facility located at:

PACIFIC COAST HWY #2 & 3
SAN CLEMENTE, CA 92674-0128

Authorization Date: 12/15/93

Dear Conditionally Authorized and/or Conditionally Exempt Facility:

ACKNOWLEDGEMENT OF UNITS OPERATING UNDER CONDITIONAL AUTHORIZATION AND/OR CONDITIONAL EXEMPTION

The Department of Toxic Substances Control (DTSC) has received your facility specific notification (form DTSC 1772) and forms for Conditional Authorization and/or Conditional Exemption for Specified Wastestreams (form DTSC 1772B and/or 1772C). Your notifications are administratively complete, but have not been reviewed for technical adequacy. A technical review of your notifications will be conducted when an inspection is performed. At any time, you may be inspected and will be subject to penalty if violations of laws or regulations are found.

The Department acknowledges receipt of your completed notification for the treatment unit(s) listed on the last page of this letter. These units operating under Conditional Authorization or Conditional Exemption are authorized by California law without additional Department action, pursuant to Health and Safety Code sections 25200.3 and 25201.5. Your authorization to operate continues until you notify DTSC that you have stopped treating waste and have fully closed the unit(s). You will be charged annual fees calculated on a calendar year basis for each year you operate and have not notified DTSC that the units have been closed.

You must notify the DTSC 60 days before first treating hazardous wastes in any new unit. You must also notify the DTSC whenever any of the information you provided in these notifications changes. To revise information, mail a cover letter to the above address explaining the changes, attach only the pages of your notification package that have changed, and re-sign and date at the signature space on page 3 of form 1772.

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You are also required to properly close any treatment unit. Additional guidance on closure will be issued and distributed to all authorized onsite facilities later this year.

recycled paper

If you have any questions regarding this letter, or have questions on operating requirements for your facility, please contact the nearest DTSC regional office, or this office at the letterhead address or phone number.

Sincerely,

Michael S. Horner, Chief
Onsite Hazardous Waste Treatment Unit
Permit Streamlining Branch
Hazardous Waste Management Program

Enclosure

cc: SONIA LOW
DTSC REGION 4 OFFICE
SURVEILLANCE & ENFORCEMENT BR.
245 WEST BROADWAY, SUITE 350
LONG BEACH, CA 90802

GARY STEPHANY
SAN DIEGO COUNTY
ENVIRONMENTAL HEALTH SERVICES
1255 IMPERIAL AVENUE, 4TH FLR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261

ENCLOSURE 1

Units authorized to operate at this location:

UNDER CONDITIONAL AUTHORIZATION:

OCA-6

UNDER CONDITIONAL EXEMPTION:

OCA-1	OCA-2	OCA-4	OCA-5
U1-3	U1-4	U2-2	U2-3
U2-4	U2-5	U2-6	U3-2
U3-3	U3-4		

STATE OF CALIFORNIA—ENVIRONMENTAL PROTECTION AGENCY PETE WILSON, *Governor*

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
400 P Street, 4th Floor
P. O. Box 806
Sacramento, CA 95812-0806

(916) 323-5871

12/15/93

EPA ID: CAD000630921

SO CAL EDISON CO/ SAN ONOFRE NUCLEAR
BRIAN METZ
GENERATING STATION
UNIT 1,2 & 3/PO BOX 128(W-44)
SAN CLEMENTE, CA 92674

For facility located at:

GENERATING STATION
PACIFIC COAST HWY #2 & 3
SAN CLEMENTE, CA 92674-0128

Authorization Date: 12/15/93

Dear Conditionally Authorized and/or Conditionally Exempt Facility:

ACKNOWLEDGEMENT OF UNITS OPERATING UNDER CONDITIONAL AUTHORIZATION AND/OR CONDITIONAL EXEMPTION

The Department of Toxic Substances Control (DTSC) has received your facility specific notification (form DTSC 1772) and forms for Conditional Authorization and/or Conditional Exemption for Specified Wastestreams (form DTSC 1772B and/or 1772C). Your notifications are administratively complete, but have not been reviewed for technical adequacy. A technical review of your notifications will be conducted when an inspection is performed. At any time, you may be inspected and will be subject to penalty if violations of laws or regulations are found.

The Department acknowledges receipt of your completed notification for the treatment unit(s) listed on the last page of this letter. These units operating under Conditional Authorization or Conditional Exemption are authorized by California law without additional Department action, pursuant to Health and Safety Code sections 25200.3 and 25201.5. Your authorization to operate continues until you notify DTSC that you have stopped treating waste and have fully closed the unit(s). You will be charged annual fees calculated on a calendar year basis for each year you operate and have not notified DTSC that the units have been closed.

You must notify the DTSC 60 days before first treating hazardous wastes in any new unit. You must also notify the DTSC whenever any of the information you provided in these notifications changes. To revise information, mail a cover letter to the above address explaining the changes, attach only the pages of your notification package that have changed, and re-sign and date at the signature space on page 3 of form 1772.

Your status to operate under Conditional Authorization and/or Conditional Exemption is contingent upon the accuracy of information submitted by you in the notifications mentioned above, and your compliance with all applicable requirements in the Health and Safety Code. Any misrepresentation or any failure to fully disclose all relevant facts shall render your authorization to operate null and void.

You are also required to properly close any treatment unit. Additional guidance on closure will be issued and distributed to all authorized onsite facilities later this year.

recycled paper

If you have any questions regarding this letter, or have questions on operating requirements for your facility, please contact the nearest DTSC regional office, or this office at the letterhead address or phone number.

Sincerely,

Michael S. Horner, Chief
Onsite Hazardous Waste Treatment Unit
Permit Streamlining Branch
Hazardous Waste Management Program

Enclosure

cc: SONIA LOW
DTSC REGION 4 OFFICE
SURVEILLANCE & ENFORCEMENT BR.
245 WEST BROADWAY, SUITE 350
LONG BEACH, CA 90802

GARY STEPHANY
SAN DIEGO COUNTY
ENVIRONMENTAL HEALTH SERVICES
1255 IMPERIAL AVENUE, 4TH FLR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261

ENCLOSURE 1

Units authorized to operate at this location:

UNDER CONDITIONAL AUTHORIZATION:

OCA-6

UNDER CONDITIONAL EXEMPTION:

OCA-1	OCA-2	OCA-3	OCA-4
OCA-5	U1-1	U1-2	U1-3
U1-4	U2-1	U2-2	U2-3
U2-4	U2-5	U2-6	U3-1
U3-2	U3-3	U3-4	

Southern California Edison Company

P. O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

October 15, 1993

H. W. NEWTON
MANAGER
SITE SUPPORT SERVICES

TELEPHONE
(714) 368-9940

Mike Horner
California Environmental Protection Agency
Department of Toxic Substances Control
P.O. Box 806
Sacramento, CA 95812-0806

SUBJECT: Tiered Permit

Dear Mr. Horner:

Ms. Gloria Estolano, County of San Diego, Department of Health Services requested that we provide you this correspondence regarding your department's and the county's recent inspection. The first issue was our request to withdraw several tiered permitting applications. Upon a re-evaluation of our influent for hazardous constituents, the following list of onsite treatment units that do not treat hazardous waste should be withdrawn:

EPA ID Number CAD983629650:

M5	Oil Separator, Garage
M7	CGI Lab
M8	EOF Lab

EPA ID Number CAD000630921:

U1-1	Oil Separator, Unit 1
U1-2	Oil Separator - Baker Tank
U2-1	Oil Separator, Primary SA2419MF125
U3-1	Oil Separator, Back-up SA2419MW454
OCA - 3	Oil Separator, AWS Machine Shop

The second issue was regarding the independent engineering tank assessment and integrity evaluation on the "sumps" that are listed in the permit. An extensive researching effort in archive files is presently underway. If the research determines that an independent evaluation is necessary, this evaluation will be performed.

Because of the complexities associated with this assessment, we will work with your department to establish a mutually agreed upon time frame for completion.

Please contact Brian Metz, of my staff, at (714) 368-6829, if you have any questions.

H. W. NEWTON
Manager, Site Support Services

BDM93227.lsp

cc: Gloria Estolano, County of San Diego, DHS
D. Kay
K. Yhip
M. J. Johnson
B. D. Metz
IDB - Waste
CDM

Attachment 10-4

CORRESPONDENCE WITH DTSC

SOUTHERN CALIFORNIA
EDISON
An EDISON INTERNATIONAL Company

December 29, 1999

Mr. John Misleh
Department of Environmental Health
Hazardous Materials Division
P.O. Box 12961
San Diego, CA 92112-9261

SUBJECT: Closure Notification for Conditionally Exempt-Specified Wastestream, Units M6 and OCA-4 located at Southern California Edison, San Onofre Nuclear Generating Station.

Dear Mr. Misleh;

This is the closure notification for two Conditionally Exempt-Specified Wastestream, Tiered Permit Unit ID numbers M6 (Silver Recovery Unit - Medical), under EPA ID #CAD983629650 and OCA-4 (Silver Recovery Unit - CDM), under EPA ID #CAD000630921. Both units are for silver recovery treatment, which are exempt from Tiered Permitting pursuant to Senate Bill (SB) 2111.

If you should have any questions, please call Brian Metz at (949) 368-6829.

Sincerely,

H.W. Newton
Manager, Site Support Services

cc: Mike Dorsey (DEH)
MJJohnson
DJEnsminger
BDMetz
IDB-Hazmat
CDM

P. O. Box 128
San Clemente, CA 92674-0128

STA E OF CALIFORNIA—CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, *Governor*

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

400 P STREET, 4TH FLOOR
O. BOX 806
AMENTO, CA 95812-0806
(916) 323-5871

December 5, 1995

EPA ID: CAD000630921

SO CAL EDISON CO/SAN ONOFRE NUC GEN STA
H W NEWTON
#1,2&3/PO BOX 128 (W-44)
SAN CLEMENTE, CA 92674

Initial Authorization: 12/15/93
Amendment Date: 11/16/95

For facility located at:
PACIFIC COAST HWY #2 & 3
SAN CLEMENTE, CA 92674

Dear Onsite Treatment Facility:

The Department of Toxic Substances Control (DTSC) has received your facility specific Amended notification (form DTSC 1772). Your notification is administratively complete, but has not been reviewed for technical adequacy. A technical review of your notification will be conducted when an inspection is performed. At any time, you may be inspected and will be subject to penalty if violations of laws or regulations are found.

The Department acknowledges receipt of your completed Amended notification for the treatment unit(s) listed on the last page of this letter. These units are authorized by California law without additional Department action. Your authorization to operate continues until you notify DTSC that you have stopped treating waste and have fully closed the unit(s). DTSC has revised its database records to reflect your status and has notified the Board of Equalization (BOE). You will be billed annual fees by BOE calculated on a calendar year basis for each year you operate and/or have not notified DTSC that the units have been closed.

If you have any questions regarding this letter, or have questions on operating requirements for your facility, please contact the nearest DTSC regional office, or this office at the letterhead address or telephone number.

Sincerely,

Ann M Carling for

Sangat Kais, Ph.D., Chief
Tiered Permitting Compliance Section
State Regulatory Program Division

cc: See next page.

Printed on Recycled Paper

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
400 P STREET, 4TH FLOOR
BOX 806
SACRAMENTO, CA 95812-0806

cc:

SONIA LOW
DTSC REGION 4 OFFICE
SURVEILLANCE & ENFORCEMENT BR.
245 WEST BROADWAY, SUITE 350
LONG BEACH, CA 90802

GARY STEPHANY
SAN DIEGO COUNTY
ENVIRONMENTAL HEALTH SERVICES
1255 IMPERIAL AVENUE, 4TH FLR
P.O. BOX 85261
SAN DIEGO, CA 92186

STATE BOARD OF EQUALIZATION
STEPHEN R. RUDD, ADMINISTRATOR
ENVIRONMENTAL FEES DIVISION
P.O. BOX 942879
SACRAMENTO, CA 94279-0001

Units authorized to operate at this location:

UNDER CONDITIONAL AUTHORIZATION:	OCA-6
UNDER CONDITIONAL EXEMPTION:	OCA-1
UNDER CONDITIONAL EXEMPTION:	OCA-2
UNDER CONDITIONAL EXEMPTION:	OCA-4
UNDER CONDITIONAL EXEMPTION:	U2-5
UNDER CONDITIONAL EXEMPTION:	U2-6

Printed on Recycled Paper

Southern California Edison Company

P. O. BOX 128

SAN CLEMENTE, CALIFORNIA 92674

H. W. NEWTON
MANAGER
SITE SUPPORT SERVICES

TELEPHONE
(714) 368-9940

November 6, 1995

Department of Toxic Substances Control
Onsite Hazardous Waste Treatment Unit
400 P Street
P. O. Box 806
Sacramento, CA 95812-0806

SUBJECT: Closure Notification for Conditionally Exempt-Specified Wastestream Units # U1-3 and # U1-4
San Onofre Nuclear Generating Station EPA ID# CAD000630921

The two conditionally exempt-specified wastestream units # U1-3 and # U1-4 (neutralizing acidic or alkaline [base] material by a State Certified Laboratory) were closed according to the requirements pursuant to the Hazardous Waste Control Law.

The two units stopped treatment in early 1994. In August 1995, the laboratory recertification by Department of Health Services (DHS) took place. At that time, management chose not to recertify the Unit 1 labs. The 5 gallon containers used for the neutralization were removed in August 1995 and were taken to the other two onsite DHS approved laboratories (these are also tier permitted).

Attached is also a revised onsite hazardous waste treatment notification form, requested by the Department of Toxic Substances Control - Long Beach. If you have any questions, please call Brian Metz at (714) 368-6829 or MaryJane Johnson at (714) 368-6651.

Sincerely,

H. W. Newton
Manager, Site Support Services

ep951030.bdm
Enclosures
cc: Department of Toxic Substances Control
245 West Broadway, Suite 350
Long Beach, CA 90802

Southern California Edison Company
P. O. BOX 128
SAN CLEMENTE, CALIFORNIA 92674

H. W. NEWTON
MANAGER
SITE SUPPORT SERVICES

TELEPHONE
(714) 368-9940

March 16, 1995

Department of Toxic Substances Control
Program Data Management Section
Exemption Notification
400 "P" Street, 4th Floor, Room 4453
P.O. Box 806
Sacramento, California 95812-0806

SUBJECT: Exemption Notification of Treatment Units in the Tiered Permitting Program
San Onofre Nuclear Generating Station

REFERENCE: New Laws Exempt Wastestreams in the Tiered Permitting Program
from P. Rasmussen to Interested Parties, dated 2/17/95

Based on upon the aboved referenced letter it has been determined that Unit ID numbers U2-2 U2-3, U2-4, U3-2, U3-3, U3-4 and OCA-5 no longer require authorization. As your letter instructs, we have enclosed two copies of the Notification of Exemption of Treatment Unit Form for each of these units. If you should have any questions, please call Brian Metz of my staff at (714) 368-6829.

Sincerely,

H. W. NEWTON
Manager, Site Support Services

BDM95042.lsp

cc: Department of Toxic Substances Control
245 W. Broadway, Suite 350
Long Beach, CA 90802

STATE OF CALIFORNIA—CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, *Governor*

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

400 P STREET, 4TH FLOOR
P.O. BOX 806
RAMENTO, CA 95812-0806
5) 323-5871

June 12, 1995

EPA ID: CAD000630921

SO CAL EDISON CO/SAN ONOFRE NUC GEN STA
H W NEWTON
#1,2&3/PO BOX 128 (W-44)
SAN CLEMENTE, CA 92674

For facility located at:

PACIFIC COAST HWY #2 & 3
SAN CLEMENTE, CA 92674-0128

Authorization Date: 12/15/93

Dear Conditionally Authorized and/or Conditionally Exempt Facility:

ACKNOWLEDGEMENT OF UNITS OPERATING UNDER CONDITIONAL AUTHORIZATION AND/OR CONDITIONAL EXEMPTION

The Department of Toxic Substances Control (DTSC) has received your facility specific notification (form DTSC 1772) and forms for Conditional Authorization and/or Conditional Exemption for Specified Wastestreams (form DTSC 1772B and/or 1772C). Your notifications are administratively complete, but have not been reviewed for technical adequacy. A technical review of your notifications will be conducted when an inspection is performed. At any time, you may be inspected and will be subject to penalty if violations of laws or regulations are found.

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You are also required to properly close any treatment unit. Additional guidance on closure will be issued and distributed to all authorized onsite facilities later this year.

Printed on Recycled Paper

If you have any questions regarding this letter, or have questions on operating requirements for your facility, please contact the nearest DTSC regional office, or this office at the letterhead address or phone number.

Sincerely,

Michael S. Horner, Chief
Onsite Hazardous Waste Treatment Unit
Permit Streamlining Branch
Hazardous Waste Management Program

Enclosure

cc: SONIA LOW
DTSC REGION 4 OFFICE
SURVEILLANCE & ENFORCEMENT BR.
245 WEST BROADWAY, SUITE 350
LONG BEACH, CA 90802

GARY STEPHANY
SAN DIEGO COUNTY
ENVIRONMENTAL HEALTH SERVICES
1255 IMPERIAL AVENUE, 4TH FLR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261

ENCLOSURE 1

Units authorized to operate at this location:

UNDER CONDITIONAL AUTHORIZATION:

OCA-6

UNDER CONDITIONAL EXEMPTION:

OCA-1	OCA-2	OCA-4	U1-3
U1-4	U2-5	U2-6	

STATE OF CALIFORNIA—ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, *Governor*

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
400 P Street, 4th Floor
P O. Box 806
mento, CA 95812-0806

) 323-5871

01/19/94

EPA ID: CAD000630921

SO CAL EDISON CO/SAN ONOFRE NUC GEN STA
BRIAN METZ
#1,2&3 - PO BOX 128 (W-44)
SAN CLEMENTE, CA 92674

For facility located at:

PACIFIC COAST HWY #2 & 3
SAN CLEMENTE, CA 92674-0128

Authorization Date: 12/15/93

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recycled paper

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Sincerely,

Michael S. Horner, Chief
Onsite Hazardous Waste Treatment Unit
Permit Streamlining Branch
Hazardous Waste Management Program

Enclosure

cc: SONIA LOW
DTSC REGION 4 OFFICE
SURVEILLANCE & ENFORCEMENT BR.
245 WEST BROADWAY, SUITE 350
LONG BEACH, CA 90802

GARY STEPHANY
SAN DIEGO COUNTY
ENVIRONMENTAL HEALTH SERVICES
1255 IMPERIAL AVENUE, 4TH FLR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261

ENCLOSURE 1

Units authorized to operate at this location:

UNDER CONDITIONAL AUTHORIZATION:

OCA-6

UNDER CONDITIONAL EXEMPTION:

OCA-1	OCA-2	OCA-4	OCA-5
U1-3	U1-4	U2-2	U2-3
U2-4	U2-5	U2-6	U3-2
U3-3	U3-4		

STATE OF CALIFORNIA—ENVIRONMENTAL PROTECTION AGENCY PETE WILSON, *Governor*

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
400 P Street, 4th Floor
P. O. Box 806
Sacramento, CA 95812-0806

(916) 323-5871

12/15/93

EPA ID: CAD000630921

SO CAL EDISON CO/ SAN ONOFRE NUCLEAR
BRIAN METZ
GENERATING STATION
UNIT 1,2 & 3/PO BOX 128(W-44)
SAN CLEMENTE, CA 92674

For facility located at:

GENERATING STATION
PACIFIC COAST HWY #2 & 3
SAN CLEMENTE, CA 92674-0128

Authorization Date: 12/15/93

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recycled paper

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Sincerely,

Michael S. Horner, Chief
Onsite Hazardous Waste Treatment Unit
Permit Streamlining Branch
Hazardous Waste Management Program

Enclosure

cc: SONIA LOW
DTSC REGION 4 OFFICE
SURVEILLANCE & ENFORCEMENT BR.
245 WEST BROADWAY, SUITE 350
LONG BEACH, CA 90802

GARY STEPHANY
SAN DIEGO COUNTY
ENVIRONMENTAL HEALTH SERVICES
1255 IMPERIAL AVENUE, 4TH FLR
P.O. BOX 85261
SAN DIEGO, CA 92186-5261

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UNDER CONDITIONAL AUTHORIZATION:

OCA-6

UNDER CONDITIONAL EXEMPTION:

OCA-1	**OCA-2**	**OCA-3**	**OCA-4**
OCA-5	**U1-1**	**U1-2**	**U1-3**
U1-4	**U2-1**	**U2-2**	**U2-3**
U2-4	**U2-5**	**U2-6**	**U3-1**
U3-2	**U3-3**	**U3-4**	

Southern California Edison Company

P. O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

October 15, 1993

H. W. NEWTON
MANAGER
SITE SUPPORT SERVICES

TELEPHONE
(714) 368-9940

Mike Horner
California Environmental Protection Agency
Department of Toxic Substances Control
P.O. Box 806
Sacramento, CA 95812-0806

SUBJECT: Tiered Permit

Dear Mr. Horner:

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M8	EOF Lab

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U1-1	Oil Separator, Unit 1
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OCA - 3	Oil Separator, AWS Machine Shop

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Please contact Brian Metz, of my staff, at (714) 368-6829, if you have any questions.

H. W. NEWTON
Manager, Site Support Services

BDM93227.lsp

cc: Gloria Estolano, County of San Diego, DHS
D. Kay
K. Yhip
M. J. Johnson
B. D. Metz
IDB - Waste
CDM

Section 11.0

DTSC PERMIT COMPLETENESS CHECKLIST

11.0 DTSC PERMIT COMPLETENESS CHECKLIST

Attachment 11-1 is a copy of DTSC's Permit Completeness Checklist. It is provided to assist the permit writer in locating the required information in this Part B Permit Application. Only the pertinent sections of the checklist are included.

Attachment 11-1

DTSC CHECKLIST

APPENDIX A

PERMIT COMPLETENESS CHECKLIST

THIS CHECKLISTIS TO BE USED TO ASSIST BOTH INDUSTRY AND THE REGULATORS TO PROVIDE CONSISTENT DOCUMENTATION IN OPERATION PLANS (PART "A" AND PART "B" APPLICATIONS)

WHEN PREPARING THE OPERATION PLAN THE FACILITY SHOULD USE THE CHECKLIST TO DETERMINE THAT ALL INFORMATION REQUIRED IS INCLUDED.

THE DEPARTMENT WILL REVIEW THE OPERATION PLAN IN DETAIL ONLY ONCE. AFTER THAT REVIEW, IF THE SUBMITTAL DOES NOT MEET STANDARDS, THE APPLICATION MAY BE DENIED.

TABLE OF CONTENTS

SECTION A: PART A GENERAL INFORMATION REQUIREMENTS

SECTION B: FACILITY DESCRIPTION

SECTION C: WASTE CHARACTERISTICS

SECTION D: PROCESS INFORMATION

SECTION F: PROCEDURES TO PREVENT HAZARDS

SECTION G: CONTINGENCY PLAN

SECTION H: PERSONNEL TRAINING

SECTION I: CLOSURE POST-CLOSURE FINANCIAL REQUIREMENTS

SECTION J: SOLID WASTE MANAGEMENT UNITS

SECTION K – O: NOT APPLICABLE

DTSC PERMIT COMPLETENESS CHECKLIST

Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	General Requirements	Applicant Certification Statement	All Facilities	Gen	All Part B information must be submitted and signed in accordance with California Code of Regulations, title 22, section 66270.11.	California Code of Regulations, title 22, section 66270.11		FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	General Requirements	Application Fees	All Facilities	Gen	Health and Safety Code section 25205.7 (d)(1) requires the payment of an applicant fee based upon the type and size of facility, type of application, and date the application was received by DTSC.	California Health & Safety Code section 25205.7(d)(1)		FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	General Requirements	Authorized Hazardous Waste Activity	All Facilities	Gen	The application must accurately describe existing and proposed hazardous waste activities.			FALSE	FALSE	FALSE	FALSE	FALSE	1.1, 1.2, 2.0, 4.2	CAD000630921
SONGS	General Requirements	Certification of Adequate Fire Water Volume	All Facilities	Gen	California Code of Regulations, title 22, section 66264.32 requires all facilities to have water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems.	California Code of Regulations, title 22, section 66264.32		FALSE	FALSE	FALSE	FALSE	FALSE	6.0	CAD000630921
SONGS	General Requirements	Coordination with Emergency Facilities and Agencies	All Facilities	Gen	California Code of Regulations, title 22, section 66264.37 requires arrangements with listed emergency response agencies regarding the facility layout, properties of hazardous waste handled at the facility and associated hazards, places where facility personnel work, entrances to roads, and possible evacuation routes.	California Code of Regulations, title 22, section 66264.37		FALSE	FALSE	FALSE	FALSE	FALSE	6.0	CAD000630921

DTSC PERMIT COMPLETENESS CHECKLIST

Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	General Requirements	County HWMP & Related Permits	All Facilities	Gen	To establish consistency between the county hazardous waste management plan, the current local land use permit or conditional use permit and the DTSC permit, a copy of the current local land use permit or conditional use permit is required. This document, as well as copies of the current storm water discharge permit, fire department hazardous materials discharge permit, and City of Richmond POTW discharge permit, should be included as an appendix to the revised application.			FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	General Requirements	Definition of Units	All Facilities	Gen	Health and Safety Code Section 25200 and California Code of Regulations, title 22, section 66270.32(b)(2) requires each permit issued by DTSC to contain terms and conditions necessary to protect human health and the environment. The goal of the permit application review process is to determine these terms and conditions and achieve three-way consistency between DTSC regulations, the permit application and supporting documents, and the resulting permit. A key element of this assessment is the definition of the hazardous waste management units subject to the terms and conditions of the permit. Health and Safety Code section25200.19(c)(1) limits the amount of time a waste can be outside an authorized unit to "..., except for that period of time that is necessary to safely and effectively move the waste from the transport vehicle to the authorized unit or from the authorized unit to the transport vehicle."	Health & Safety Code Section 25200, 25200.19 ; California Code of Regulations, title 22, section 66270.32(b)(2)		FALSE	FALSE	FALSE	FALSE	FALSE	1.0 General Information	CAD000630921

DTSC PERMIT COMPLETENESS CHECKLIST

Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	General Requirements	Disclosure Statement	All Facilities	Gen	Disclosure Statements, including fingerprint cards, are required for all permit applications submitted after January 1, 2003, when SB 489 (Statutes of 2002) became effective. See HSC 25112.5, 25200.4, and 25358.3. DTSC has a form, Number 1365, that can be downloaded from the DTSC public website. The form is to be completed by the applicant and sent to DTSC HQ. Fingerprints are required and are sent by HQ to DOJ for a criminal background check.	California Health & Safety Code section 25112.5, 25200.4, and 25358.3		FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	General Requirements	Facility Type and Size - Annual Facility Fee	All Facilities	Gen				FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	General Requirements	Financial Assurance Mechanism	All Facilities	Gen	All Northern California Permitting and Corrective Action Branch (NCPCAB) application cost estimates are forwarded to Mr. Ray Leclerc, NCPCAB Cost Estimate Coordinator, for review against statewide cost estimate standards. Following Mr. Leclerc's review, and provided the cost estimates are adequate, the results of the review and the application financial assurance documents are sent to Mr. Keith Kahara, Statewide Compliance Division (SCD), Financial Assurance Supervisor, for review by the SCD Financial Assurance Unit. The facility cost estimate must meet statewide standards and the financial instrument must meet all regulatory requirements.			FALSE	FALSE	FALSE	FALSE	FALSE	8.0	CAD000630921

DTSC PERMIT COMPLETENESS CHECKLIST

Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	General Requirements	Grant Deed or Lease	All Facilities	Gen	To establish the current owner of the facility real property, a copy of the most recent grant deed is required. Since the facility operator is different from the real property owner, a copy of the lease or other legal document establishing the right of the operator to operate a hazardous waste facility on the property is also required. If there is a chain of authorizing documents between the real property owner and the facility operator, all documents in the chain must be provided.			FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 2-2	CAD000630921
SONGS	*General Requirements*	*Onsite Containment of Fire & Hazardous Waste*	*All Facilities*	*Gen*	*California Code of Regulations, title 22, section 66264.31 requires facilities to be located, designed, constructed, maintained, and operated to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment. This includes the retention of all contaminants onsite during any unplanned sudden or non-sudden emergency event.*	*California Code of Regulations, title 22, section 66264.31*		*FALSE*	*FALSE*	*FALSE*	*FALSE*	*FALSE*		*CAD000630921*
SONGS	General Requirements	RCRA Facility Assessment	All Facilities	Gen	DTSC policy is to complete a RFA prior to issuance of a permit. In practice, it is important to complete the RFA prior to completion of the Technical Review in order to include the RFA findings in the Draft Permit. If Corrective Action is required, it must be included in the Draft Permit or covered under a separate Consent Agreement.			FALSE	FALSE	FALSE	FALSE	FALSE	10.0	CAD000630921

DTSC PERMIT COMPLETENESS CHECKLIST

Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	General Requirements	Registered Engineer and Geologist Certification	All Facilities	Gen	Technical data, such as design drawings and specifications and engineering studies, must be certified by an independent, qualified professional engineer registered in California. Geologic plans, specifications, reports or documents shall be prepared by or under the direction of, and shall be certified by, a geologist registered in California.			FALSE	FALSE	FALSE	FALSE	FALSE	4.0	CAD000630921
SONGS	General Requirements	Removal of Misleading Text	All Facilities	Gen	The application must be clear and concise and not contain any misleading text.			FALSE	FALSE	FALSE	FALSE	FALSE	All	CAD000630921
SONGS	General Requirements	Risk Assessment	All Facilities	Gen	California Code of Regulations, title 22, section 66264.31 requires facilities to be located, designed, constructed, maintained, and operated to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituent to air, soil, or surface water which could threaten human health or the environment.	California Code of Regulations, title 22, section 66264.31		FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	General Requirements	Secondary Containment System Certification	All Facilities	Gen	California Code of Regulations, title 22, section 66264.175(c) requires the submission of a written statement signed by an independent, qualified professional engineer, registered in California, that the containment system is suitable designed to achieve the performance requirements of section 66264.175.	California Code of Regulations, title 22, section 66264.175(c)		FALSE	FALSE	FALSE	FALSE	FALSE	4.0	CAD000630921

DTSC PERMIT COMPLETENESS CHECKLIST

Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	General Requirements	Seismic Assessment	All Facilities	Gen	California Code of Regulations, title 22, section 66264.31 requires facilities to be located, designed, constructed, maintained, and operated to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment. This includes a seismic assessment to determine facility performance during and following a maximum credible earthquake. The analysis must include an assessment of facility soil types, footing design, and such details as the connections between the building foundation and frame. This assessment must be included in the overall facility risk assessment.	California Code of Regulations, title 22, section 66264.31		FALSE	FALSE	FALSE	FALSE	FALSE	4.0	CAD000630921
SONGS	General Requirements	Survey Boundaries	All Facilities	Gen	The permit must reference a survey plat or other such document that shows the exact legal boundaries of the facility being permitted. The referenced document must be prepared by a qualified, professional Civil Engineer or Land Surveyor. If this document does not include the facility's assessor parcel number(s), a separate map or document showing the parcel number(s) is also required.			FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 10-2	CAD000630921

DTSC PERMIT COMPLETENESS CHECKLIST

Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	Section 1A. Disclosure Statement	1A-1	All Facilities	1A	The full name of the following: (A) The applicant. (B) Any officers, directors, or partners, if the applicant is a business concern. (C) All persons or any officers, partners, or any directors if there are no officers, of business concerns holding more than 5 percent of the equity in, or debt liability of the applicant, except that if the debt liability is held by a lending institution, the applicant shall only supply the name and address of the lending institution.	California Code of Regulations, title 22, section HSC 25112.5		FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	Section 1A. Disclosure Statement	1A-10	All Facilities	1A	A listing of all owners, officers, directors, trustees, and partners of the applicant who have owned, or been an officer, director, trustee, or partner of, any company that generated, transported, treated, stored, recycled, disposed of, or handled hazardous wastes or hazardous materials and which was the subject of any of the actions described in paragraphs (A-6) and A-8) for the five years preceding the filing of the statement.	California Code of Regulations, title 22, section HSC 25112.5		FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921

DTSC PERMIT COMPLETENESS CHECKLIST

Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	Section 1A. Disclosure Statement	1A-11	All Facilities	1A	A corporation, the stock of which is listed on a national securities exchange or on the National Market System of the NASDAQ Stock Market and registered under the Securities Exchange Act of 1934 (15 U.S.C. Sec. 78a et seq.), or a subsidiary of that corporation, may submit to the department copies of all periodic reports, including, but not limited to, those reports required by Section 78m of Title 15 of the United States Code and Part 229 (commencing with Section 229.10) of Chapter II of Title 17 of the Code of Federal Regulations that the corporation or subsidiary has filed with the Securities and Exchange Commission in the three years immediately preceding the submittal, if the corporation or subsidiary thereof has held a hazardous waste facility permit or operated a hazardous waste facility under interim status pursuant to Section 25200 or 25200.5 since January 1, 1984.	California Code of Regulations, title 22, section HSC 25112.5		FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	Section 1A. Disclosure Statement	1A-2	All Facilities	1A	Business name and address of the following: (A) The applicant. (B) Any officers, directors, or partners, if the applicant is a business concern. (C) All persons or any officers, partners, or any directors if there are no officers, of business concerns holding more than 5 percent of the equity in, or debt liability of the applicant, except that if the debt liability is held by a lending institution, the applicant shall only supply the name and address of the lending institution.	California Code of Regulations, title 22, section HSC 25112.5		FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921

DTSC PERMIT COMPLETENESS CHECKLIST

Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	Section 1A. Disclosure Statement	1A-3	All Facilities	1A	Social security number of the following: (A) The applicant. (B) Any officers, directors, or partners, if the applicant is a business concern. (C) All persons or any officers, partners, or any directors if there are no officers, of business concerns holding more than 5 percent of the equity in, or debt liability of the applicant, except that if the debt liability is held by a lending institution, the applicant shall only supply the name and address of the lending institution.	California Code of Regulations, title 22, section HSC 25112.5		FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	Section 1A. Disclosure Statement	1A-4	All Facilities	1A	Driver's license number of all of the following: (a) The applicant. (b) Any officers, directors, or partners, if the applicant is a business concern. (c) All persons or any officers, partners, or any directors if there are no officers, of business concerns holding more than 5 percent of the equity in, or debt liability of the applicant, except that if the debt liability is held by a lending institution, the applicant shall only supply the name and address of the lending institution.	California Code of Regulations, title 22, section HSC 25112.5		FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	Section 1A. Disclosure Statement	1A-5	All Facilities	1A	Fingerprint cards for the following persons listed on the disclosure statement: (1) The sole proprietor. (2) The partners. (3) Ay officers or directors of the applicant company as required by the department.	California Code of Regulations, title 22, section HSC 25112.5		FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921

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Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	Section 1A. Disclosure Statement	1A-6	All Facilities	1A	A description of any local, state, or federal licenses, permits, or registrations for the generation, transportation, treatment, storage, recycling, disposal, or handling of hazardous waste or hazardous materials applied for, or possessed by the applicant, or by the applicant under any previous name or names, in the five years preceding the filing of the statement, or, if the applicant is a business concern, by the officers, directors, or partners of the business concern, including the name and address of the issuing agency.	California Code of Regulations, title 22, section HSC 25112.5		FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	Section 1A. Disclosure Statement	1A-7	All Facilities	1A	A listing and explanation of any final orders or license revocations or suspensions issued or initiated by any local, state, or federal authority, in the five years immediately preceding the filing of the statement, or any civil or criminal prosecutions filed in the five years immediately preceding, or pending at the time of, the filing of the statement, with any remedial actions or resolutions if applicable, relating to the generation, transportation, treatment, storage, recycling, disposal, or handling of hazardous waste or hazardous materials by the applicant, or by the applicant under any previous name or names, or, if the applicant is a business concern, by any officer, director, or partner of the business concern.	California Code of Regulations, title 22, section HSC 25112.5		FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921

DTSC PERMIT COMPLETENESS CHECKLIST

Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	Section 1A. Disclosure Statement	1A-8	All Facilities	1A	A listing of any agencies outside of the state that regulate, or had regulated, the applicant's, or the applicant's under any previous name or names, generation, transportation, treatment, storage, recycling, disposal, or handling of hazardous waste or hazardous materials in the five years preceding the filing of the disclosure statement.	California Code of Regulations, title 22, section HSC 25112.5		FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	Section 1A. Disclosure Statement	1A-9	All Facilities	1A	A listing and explanation of any federal or state conviction, judgment, or settlement, in the five years immediately preceding the filing of the statement, with any remedial actions or resolutions if applicable, relating to the generation, transportation, treatment, storage, recycling, disposal, or handling of hazardous waste or hazardous materials by the applicant, or by the applicant under any previous name or names, or if the applicant is a business concern, by any officer, director, or partner of the business concern.	California Code of Regulations, title 22, section HSC 25112.5		FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	Section A. Part A General Information Requirements	A-1	All Facilities	A	Description of Activities Conducted which Require Facility to Obtain a Permit under the Resource Conservation and Recovery Act (RCRA), and Brief Description of Nature of the Business	California Code of Regulations, title 22, section 66270.13(a), (m)	270.13(a),(m)	FALSE	FALSE	FALSE	FALSE	FALSE	Introduction 1.1 1.2	CAD000630921
SONGS	Section A. Part A General Information Requirements	A-2	All Facilities	A	Name, Mailing Address, and Location of Facility for which the Application is Submitted, including a Topographic Map	California Code of Regulations, title 22, section 66270.13(b), (l)	270.13(b),(l)	FALSE	FALSE	FALSE	FALSE	FALSE	1.1, 1.2, 1.3	CAD000630921
SONGS	Section A. Part A General Information Requirements	A-3	All Facilities	A	Up to Four Standard Industrial Classification Codes which Best Reflect the Products or Services Provided by the Facility	California Code of Regulations, title 22, section 66270.13(c)	270.13(c)	FALSE	FALSE	FALSE	FALSE	FALSE	1.3	CAD000630921

DTSC PERMIT COMPLETENESS CHECKLIST

Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	Section A. Part A General Information Requirements	A-4	All Facilities	A	Operator/Owner's Name, Address, Telephone Number, and Ownership Status. Ownership status must include status as federal, state, private, public, or other entity.	California Code of Regulations, title 22, section 66270.13(d), (e)	270.13(d),(e)	FALSE	FALSE	FALSE	FALSE	FALSE	Introduction 1.3	CAD000630921
SONGS	Section A. Part A General Information Requirements	A-5	All Facilities	A	Facility is New, Existing, or Located on Indian Lands. Description must include information on whether this is a first or revised application with date of last signed permit application.	California Code of Regulations, title 22, section 66270.13(f), (g)	270.13(f),(g)	FALSE	FALSE	FALSE	FALSE	FALSE	Introduction	CAD000630921
SONGS	Section A. Part A General Information Requirements	A-6	All Facilities	A	Description of Processes to be Used for Treating, Storing, and Disposing of Hazardous Waste. Description must include design capacity for these items.	California Code of Regulations, title 22, section 66270.13(i)	270.13(i)	FALSE	FALSE	FALSE	FALSE	FALSE	1.2, .4.0, 4.1	CAD000630921
SONGS	Section A. Part A General Information Requirements	A-7	All Facilities	A	Specification of the Hazardous Wastes Listed or Designated Under CCR, chapter 11. Specifications must include estimate on quantity of waste to be treated, stored, or disposed of.	California Code of Regulations, title 22, section 66270.13(j)	270.13(j)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 1-3 Attachment 3-2	CAD000630921
SONGS	Section A. Part A General Information Requirements	A-8	All Facilities	A	Listing of all Permits or Construction Approvals Received or Applied for. Permits include the following programs: Hazardous Waste Management under RCRA; Underground Injection Control under the Solid Waste Disposal Act; Prevention of Significant Deterioration, Nonattainment Program, and National Emissions Standards for Hazardous Pollutants under the Clean Air Act; ocean dumping permits under the Marine Protection Research and Sanctuaries Act; dredge and fill permits under Section 404 of the Clean Water Act; or other relevant environmental permits including state permits.	California Code of Regulations, title 22, section 66270.13(k)	270.13(k)	FALSE	FALSE	FALSE	FALSE	FALSE	1.7	CAD000630921
SONGS	Section B. Facility Description	B-1	All Facilities	B	General Description	California Code of Regulations, title 22, section 66270.14(b)(1)	270.14(b)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	2.1	CAD000630921

DTSC PERMIT COMPLETENESS CHECKLIST

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SONGS	Section B. Facility Description	B-2	All Facilities	B	Topographic Map. Show a distance of 1,000 feet around the unit at a scale of 1 inch to not more than 200 feet (multiple maps may be submitted at this scale), and should be similar to Part A topographic map. All drawings, maps, and aerial photographs must be legible and include a scale reference. Aerial photographs must include a date reference. Part A application requirements require a topographic map, extending to at least one mile beyond the property boundary, which shows legal boundaries of the facility, drinking water wells located within one-quarter mile of the facility, and other information listed in the Part A instructions. California Code of Regulations, title 22, section 66270.14(b)(18) requires a topographic map in the Part B portion of the application as well. The Part B map must show a distance of up to 2000 feet around the facility at a scale of one inch equal to not more than 200 feet, the legal boundaries of the facility, and other listed information.	California Code of Regulations, title 22, section 66270.14(b)(18)	270.14	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 2-3 Attachment 1-1	CAD000630921
SONGS	Section B. Facility Description	B-2a	All Facilities	B	General Requirements	California Code of Regulations, title 22, section 66270.14	270.14(b)(19)	FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	Section B. Facility Description	B-2a(1)	All Facilities	B	Scale and Date. Other scales may be used if justified.	California Code of Regulations, title 22, section 66270.14(b)(18)(A)	270.14(b)(19)(i)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 2-3	CAD000630921
SONGS	Section B. Facility Description	B-2a(10)	All Facilities	B	Buildings and Other Structures. 66270.14(b)(19)(x) for example list.	California Code of Regulations, title 22, section 66270.14(b)(18)(J)	270.14(b)(19)(x)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 1-1 Attachment 2-3	CAD000630921
SONGS	Section B. Facility Description	B-2a(11)	All Facilities	B	Drainage and Flood Control Barriers.	California Code of Regulations, title 22, section 66270.14(b)(18)(K)	270.14(b)(19)(xi)	FALSE	FALSE	FALSE	FALSE	FALSE	2.3.3	CAD000630921

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SONGS	Section B. Facility Description	B-2a(12)	All Facilities	B	Location of the Operational Unit(s) and Decontamination Areas.	California Code of Regulations, title 22, section 66270.14(b)(18)(L)	270.14(b)(19)(xii)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 1-2	CAD000630921
SONGS	Section B. Facility Description	B-2a(13)	All Facilities	B	Location of Solid Waste Management Units.	California Code of Regulations, title 22, section 66270.14(d)(1)(A)	270.14(d)(1)(i)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 10-2	CAD000630921
SONGS	Section B. Facility Description	B-2a(2)	All Facilities	B	The 100-Year Flood Plain Area.	California Code of Regulations, title 22, section 66270.14(b)(18)(B)	270.14(b)(19)(ii)	FALSE	FALSE	FALSE	FALSE	FALSE	2.33	CAD000630921
SONGS	Section B. Facility Description	B-2a(3)	All Facilities	B	Surface Waters.	California Code of Regulations, title 22, section 66270.14(b)(18)(C)	270.14(b)(19)(iii)	FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	Section B. Facility Description	B-2a(4)	All Facilities	B	Surrounding Land Use.	California Code of Regulations, title 22, section 66270.14(b)(18)(D)	270.14(b)(19)(iv)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 2-1 2.1	CAD000630921
SONGS	Section B. Facility Description	B-2a(5)	All Facilities	B	Wind Rose.	California Code of Regulations, title 22, section 66270.14(b)(18)(E)	270.14(b)(19)(v)	FALSE	FALSE	FALSE	FALSE	FALSE	2.3.4	CAD000630921
SONGS	Section B. Facility Description	B-2a(6)	All Facilities	B	Map Orientation.	California Code of Regulations, title 22, section 66270.14(b)(18)(F)	270.14(b)(19)(vi)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 1-1 Attachment 2-3	CAD000630921
SONGS	Section B. Facility Description	B-2a(7)	All Facilities	B	Legal Boundaries.	California Code of Regulations, title 22, section 66270.14(b)(18)(G)	270.14(b)(19)(vii)	FALSE	FALSE	FALSE	FALSE	FALSE	2.1.2 Attachment 1-2	CAD000630921
SONGS	Section B. Facility Description	B-2a(8)	All Facilities	B	Access Control.	California Code of Regulations, title 22, section 66270.14(b)(18)(H)	270.14(b)(19)(viii)	FALSE	FALSE	FALSE	FALSE	FALSE	2.1.3	CAD000630921
SONGS	Section B. Facility Description	B-2a(9)	Facilities With GW Injection and Withdraw Wells	B	Injection and Withdrawal Wells (On Site and Off Site)	California Code of Regulations, title 22, section 66270.14(b)(18)(I)	270.14(b)(19)(ix)	FALSE	FALSE	FALSE	FALSE	FALSE	Fig. 1-3	CAD000630921

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SONGS	Section B. Facility Description	B-2b	All Facilities	B	Additional Information on the Topographic Map for Land Disposal Facilities	California Code of Regulations, title 22, section 66270.14(c)(3)	270.14(c)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-2b(1)	All Facilities	B	Uppermost Aquifer and Hydraulically Connected Aquifers Beneath Facility Property	California Code of Regulations, title 22, section 66270.14(c)(2)	270.14(c)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-2b(2)	All Facilities	B	Groundwater Flow Direction	California Code of Regulations, title 22, section 66270.14(c)(2)	270.14(c)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-2b(3)	All Facilities	B	Waste Management Areas	California Code of Regulations, title 22, section 66270.14(c)(3)	270.14(c)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-2b(4)	All Facilities	B	Property Boundaries	California Code of Regulations, title 22, section 66270.14(c)(3)	270.14(c)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-2b(5)	All Facilities	B	Point of Compliance Location. Point of compliance is defined in 66264.95.	California Code of Regulations, title 22, section 66270.14(c)(3); 66264.95	270.14(c)(3); 264.95	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-2b(6)	All Facilities	B	Location of Groundwater Monitoring Wells	California Code of Regulations, title 22, section 66270.14(c)(3); 66264.97	270.14(c)(3); 264.97	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-2b(7)	All Facilities	B	Extent of any Groundwater Contaminant Plume	California Code of Regulations, title 22, section 66270.14(c)(4)(A)	270.14(c)(4)(i)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-3	All Facilities	B	Facility Location Information. Complete Items 3a.1, 3a.2, and 3a.3 for new facilities or facilities applying for substantial (Class 3) modification. Complete Items 3b.1, 3b.2, 3b(1), 3b(1)(a).1, 3b(1)(a).2, 3b(1)(a).3, 3b(1)(a).4, 3b(1)(a).5, 3b(1)(a).6, and 3b(1)(a).7 for facilities located in a 100 year flood plain.	California Code of Regulations, title 22, section 66270.14(b)(11); 66264.18	270.14(b)(11); 264.18	FALSE	FALSE	FALSE	FALSE	FALSE	2.1.1	CAD000630921

DTSC PERMIT COMPLETENESS CHECKLIST

Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	Section B. Facility Description	B-3a	New or Substantial Modification Facilities	B	Seismic Requirements. Seismic requirements applicable only to new facilities.	California Code of Regulations, title 22, section 66270.14(b)(11)(A); 66264.18(a)	270.14(b)(11)(i), (ii); 264.18(a)	FALSE	FALSE	FALSE	FALSE	FALSE	2.3.2	CAD000630921
SONGS	Section B. Facility Description	B-3a(1)	All Facilities	B	Political Jurisdiction in which Facility is Proposed to be Located	California Code of Regulations, title 22, section 66270.14(b)(11)(A)	270.14(b)(11)(i)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-3a(2)	New Facilities	B	New Facility must be Located at Least 200 feet from a Fault which has had Displacement in Holocene Time	California Code of Regulations, title 22, section 66270.14(b)(11)(A); 66264.18(a)	270.14(b)(11)(ii); 264.18(a)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-3b	All Facilities	B	Flood Plain Requirements.	California Code of Regulations, title 22, section 66270.14(b)(11)(C), (D); 66264.18(b)	270.14(b)(11)(iii), (iv); 264.18(b)	FALSE	FALSE	FALSE	FALSE	FALSE	2.3.3	CAD000630921
SONGS	Section B. Facility Description	B-3b(1)	All Facilities	B	Copy of Federal Insurance Administration or other Flood Map. Reference source used to determine whether facility is located in 100-year flood plain.	California Code of Regulations, title 22, section 66270.14(b)(11)(C)	270.14(b)(11)(iii)	FALSE	FALSE	FALSE	FALSE	FALSE	2.3.3	CAD000630921
SONGS	Section B. Facility Description	B-3b(2)	Facilities in a 100-Yeal Flood Plain	B	Demonstration that Facility is Designed, Constructed, Operated, and Maintained to Prevent Washout, or Detailed Description of Procedures to be Followed to Remove Hazardous Waste to Safety before Facility is Flooded. Flood plain requirements are applicable if facility is located in 100-year flood plain.	California Code of Regulations, title 22, section 66270.14(b)(11)(D); 66264.18(b)	270.14(b)(11)(iv); 264.18(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-3b(2)(a)	Facilities in a 100-Yeal Flood Plain	B	Engineering Analysis to Indicate the Various Hydrodynamic and Hydrostatic Forces Expected to Result from the 100-Year Flood Plain. Flood plain requirements are applicable if facility is located in 100-year flood plain.	California Code of Regulations, title 22, section 66270.14(b)(11)(D); 66264.18(b)	270.14(b)(11)(iv); 264.18(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-3b(2)(a).1	Facilities in a 100-Yeal Flood Plain	B	Demonstration that no Adverse Effects will Result from Failure to Remove Waste by Providing: Flood plain requirements applicable if facility is located in 100-year flood plain.	California Code of Regulations, title 22, section 66270.14(b)(11)(D); 66264.18(b)(1)	270.14(b)(11)(iv); 264.18(b)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	Section B. Facility Description	B-3b(2)(a).2	Facilities in a 100-Yeal Flood Plain	B	Volume and Physical and Chemical Characteristics of the Waste in the Facility. Flood plain requirements are applicable if facility is located in 100-year flood plain.	California Code of Regulations, title 22, section 66264.18(b)(1)	270.14(b)(11)(iv); 264.18(b)(1)(ii)(A)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-3b(2)(a).3	Facilities in a 100-Yeal Flood Plain	B	Concentration of Hazardous Constituents that Would Potentially Affect Surface Waters as a Result of Washout. Flood plain requirements are applicable if facility is located in 100-year flood plain.	California Code of Regulations, title 22, section 66264.18(b)	270.14(b)(11)(iv); 264.18(b)(ii)(B)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-3b(2)(a).4	Facilities in a 100-Yeal Flood Plain	B	Impact of such Concentration on Current or Potential uses of, and Water Quality Standards Established for, the Affected Surface Waters. Flood plain requirements are applicable if facility is located in 100-year flood plain.	California Code of Regulations, title 22, section 66264.18(b)	270.14(b)(11)(iv); 264.18(b)(ii)(C)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-3b(2)(a).5	Facilities in a 100-Yeal Flood Plain	B	Impact of Hazardous Constituents on the Sediments of Affected Surface Waters, or the Soils of the 100-Year Flood Plain, that could Result from Washout. Flood plain requirements are applicable if facility is located in 100-year flood plain.	California Code of Regulations, title 22, section 66264.18(b)	270.14(b)(11)(iv); 264.18(b)(ii)(D)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-3b(2)(a).6	Facilities in a 100-Yeal Flood Plain	B	Plan and Schedule for Future Compliance. Flood plain requirements are applicable if facility is located in 100-year flood plain and not in compliance with 66264.18(b).	California Code of Regulations, title 22, section 66270.14(b)(11)(E)	270.14(b)(11)(v)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-4	All Facilities	B	Traffic Patterns. Show turns across traffic lanes and stacking lanes, if appropriate.	California Code of Regulations, title 22, section 66270.14(b)(10)	270.14(b)(10)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 2-4	CAD000630921
SONGS	Section B. Facility Description	B-4a	All Facilities	B	Estimate of Number and Types of Vehicles around the Facility.	California Code of Regulations, title 22, section 66270.14(b)(10)	270.14(b)(10)	FALSE	FALSE	FALSE	FALSE	FALSE	2.4.2	CAD000630921

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SONGS	Section B. Facility Description	B-4b	All Facilities	B	Traffic Control Signs and Signals	California Code of Regulations, title 22, section 66270.14(b)(10)	270.14(b)(10)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section B. Facility Description	B-4c	All Facilities	B	Road Surface Composition and Load-Bearing Capacity	California Code of Regulations, title 22, section 66270.14(b)(10)	270.14(b)(10)	FALSE	FALSE	FALSE	FALSE	FALSE	2.4.1	CAD000630921
SONGS	Section C. Waste Characteristics	C-1	All Facilities	C	Chemical and Physical Analyses. Data generated by testing the waste, published data on the waste, or data gathered from similar processes may be used.	California Code of Regulations, title 22, section 66270.14(b)(2); 66264.13(a)	270.14(b)(2); 264.13(a)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 3-1	CAD000630921
SONGS	Section C. Waste Characteristics	C-1a	Facilities Handling Containers	C	Containerized Waste. Demonstrate that waste is compatible with container construction materials and the location is in compliance with the buffer zone requirements. California Code of Regulations, title 22, section 66264.176 requires containers holding ignitable or reactive waste to be located at least 15 meters (50 feet) from the facility's property line. Health and Safety Code section 25200.19 allows DTSC to set permit conditions and limitations concerning the receipt, unloading, shipment, or loading of ignitable or reactive waste within this 50 foot interior radius.	California Code of Regulations, title 22, section 66270.15; 66264.172; 66264.176	270.15(b)(1); 264.172	FALSE	FALSE	FALSE	FALSE	FALSE	3.3	CAD000630921
SONGS	Section C. Waste Characteristics	C-1b	Facilities with Tanks	C	Waste in Tank Systems. A written assessment by an independent engineer is required to demonstrate that tank construction materials are compatible with waste stored in tank.	California Code of Regulations, title 22, section 66270.16(a); 66264.190(a); 66264.192(c)(2)	270.16(a); 264.190(a); 264.191(b)(2); 264.192(a)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-1c	Facilities with Waste Piles	C	Waste in Piles.	California Code of Regulations, title 22, section 66270.18(a); 66264.250(c)(1), (4)	270.18(a); 264.250(c)(1), (4)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	Section C. Waste Characteristics	C-1d	Facilities with Landfills	C	Landfilled Wastes. Demonstrate that sorbet materials are non-biodegradable.	California Code of Regulations, title 22, section 66270.21(a); 66264.314	270.21(a) 264.13(c)(3); 264.314	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-1e	Facilities with Incineration Units	C	Wastes Incinerated and Wastes used in Performance Tests.	California Code of Regulations, title 22, section 66270.19(c); 66270.62(b); 66264.341	270.19(c); 270.62(b); 264.341	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-1f	Facilities with Land Treatment Units	C	Wastes to be Land Treated. If food-chain crops will be grown in or on treatment zone, identify hazardous constituents reasonably expected to be in or derived from waste.	California Code of Regulations, title 22, section 66270.20(b)(4); 66264.271(a)(1), (2); 66264.272; Chapter 11 Appendix VIII	270.20(b)(4); 264.271(a)(1), (2); 264.272; 264.276; Part 261 Appendix VIII	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-1g	Facilities with Miscellaneous Treatment Units	C	Wastes in Miscellaneous Treatment Units. Demonstrate the effectiveness of the treatment.	California Code of Regulations, title 22, section 66270.23(d)	270.23(d)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-1h	Facilities with Boilers or Industrial Furnaces	C	Wastes in Boilers and Industrial Furnaces	California Code of Regulations, title 22, section 66270.66(c); 66266.102(b)	270.66(c); 266.102(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-1i	Facilities with Drip Pads	C	Wastes on Drip Pads. Waste Analysis Plan should be provided in a table format that clearly shows the fingerprint and Waste Profile analyses that will be conducted for each waste stream, the waste management units that will be managing wastes, any applicable concentration limits, sampling methods, etc.	California Code of Regulations, title 22, section 66270.14(b)(3); 66264.13(b),(c)	270.26; 264.570	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-2	All Facilities	C	Waste Analysis Plan. Waste Analysis Plan should be provided in a table format that clearly shows the fingerprint and Waste Profile analyses that will be conducted for each waste stream, the waste management units that will be managing wastes, any applicable concentration limits, sampling methods, etc.	California Code of Regulations, title 22, section 66270.14(b)(3); 66264.13(b), (c)	270.14(b)(3); 264.13(b),(c)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 3-1	CAD000630921

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Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	Section C. Waste Characteristics	C-2a	All Facilities	C	Parameters and Rationale.	California Code of Regulations, title 22, section 66270.14(b)(3); 66264.13(b)(1)	270.14(b)(3); 264.13(b)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 3-1	CAD000630921
SONGS	Section C. Waste Characteristics	C-2b	All Facilities	C	Test Methods.	California Code of Regulations, title 22, section 66270.14(b)(3); 66264.13(b)(2)	270.14(b)(3); 264.13(b)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 3-1	CAD000630921
SONGS	Section C. Waste Characteristics	C-2c	All Facilities	C	Sampling Methods	California Code of Regulations, title 22, section 66270.14(b)(3); 66264.13(b)(3)	270.14(b)(3); 264.13(b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 3-1	CAD000630921
SONGS	Section C. Waste Characteristics	C-2d	All Facilities	C	Frequency of Analyses	California Code of Regulations, title 22, section 66270.14(b)(3); 66264.13(b)(4)	270.14(b)(3); 264.13(b)(4)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 3-1	CAD000630921
SONGS	Section C. Waste Characteristics	C-2e	Facilities Receiving Off-site Waste	C	Additional Requirements for Wastes Generated Off Site. Describe statistical method used to determine a representative sample of incoming waste.	California Code of Regulations, title 22, section 66270.14(b)(3); 66264.13(b)(5), (c); 66264.73(b)	270.14(b)(3); 264.13 (b)(5), (c); 264.73(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-2f	Facilities Handling Ignitable, Reactive, or Incompatible Wastes	C	Additional Requirements for Ignitable, Reactive, or Incompatible Wastes	California Code of Regulations, title 22, section 66270.14(b)(3); 66264.13(b)(6); 66264.17	270.14(b)(3); 264.13(b)(6); 264.17	FALSE	FALSE	FALSE	FALSE	FALSE	3.3	CAD000630921
SONGS	Section C. Waste Characteristics	C-2g	Facilities with Boilers or Industrial Furnaces	C	Additional Requirements Pertaining to BIF Facilities	California Code of Regulations, title 22, section 66270.22; 66266.102(e)(6)(B)3.,(e)(6)(C)	270.22; 266.102(e)(6)(ii) (C),(e)(6)(iii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-3	Facilities Handling Waste Subject to Land Disposal Restriction	C	Waste Analysis Requirements Pertaining to Land Disposal Restrictions	California Code of Regulations, title 22, section 66270.14(b)(3); 66264.13; 264.73; Chapter 18	270.14(b)(3); 264.13; 264.73; Part 268	FALSE	FALSE	FALSE	FALSE	FALSE	3.4	CAD000630921
SONGS	Section C. Waste Characteristics	C-3a	Facilities Handling Waste Subject to Land Disposal Restriction	C	Waste Analysis	California Code of Regulations, title 22, section 66270.14(a); 66264.13(a)(1); 66268.1; 66268.9; 66268.32 - 66268.37; 66268.41 - 66268.43	270.14(a); 264.13(a)(1); 268.1; 268.7; 268.9; 268.32 - 268.37; 268.41 268.43	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 3-1	CAD000630921

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Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	Section C. Waste Characteristics	C-3a(1)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Spent Solvent and Dioxin Wastes	California Code of Regulations, title 22, section 66270.14(a); 66264.13(a)(1); 66268.30; 66268.31	270.14(a); 264.13(a)(1); 268.2(f)(1); 268.7; 268.30; 268.31	FALSE	FALSE	FALSE	FALSE	FALSE	3.4	CAD000630921
SONGS	Section C. Waste Characteristics	C-3a(10)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Dilution and Aggregation of Wastes	California Code of Regulations, title 22, section 66270.14(a); 66268.3	270.14(a); 268.3	FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	Section C. Waste Characteristics	C-3a(2)	Facilities Handling Waste Subject to Land Disposal Restriction	C	California List Wastes	California Code of Regulations, title 22, section 66270.14(a); 66264.13(a)(1); 66268.32; 66268.42(a)	270.14(a); 264.13(a)(1); 268.7; 268.32; 268.42(a); RCRA Section 3004(d)	FALSE	FALSE	FALSE	FALSE	FALSE	3.4	CAD000630921
SONGS	Section C. Waste Characteristics	C-3a(3)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Listed Wastes	California Code of Regulations, title 22, section 66270.14(a); 66264.13(a)(1); 66268.33 - 66268.36; 66268.41 - 66268.43	270.14(a); 264.13(a)(1); 268.7; 268.33 - 268.36; 268.41 268.43	FALSE	FALSE	FALSE	FALSE	FALSE	3.4	CAD000630921
SONGS	Section C. Waste Characteristics	C-3a(4)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Characteristic Wastes. Characteristic D008 lead nonwastewater and D004 arsenic nonwastewater may use EP toxicity test to determine compliance with treatment standards.	California Code of Regulations, title 22, section 66270.14(a); 66264.13(a)(1); 66268.9; 66268.37; Chapter 18, Appendix I, VIII	270.14(a); 264.13(a)(1); 268.7, 268.9; 268.37; Part 268 Appendix I, IX	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 3-1	CAD000630921
SONGS	Section C. Waste Characteristics	C-3a(5)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Radioactive Mixed Waste. Hazardous debris containing radioactive waste must comply with treatment standards specified in 66268.45.	California Code of Regulations, title 22, section 66270.14(a); 66264.13(a); 66268.35(c),(d); 66268.36(d); 66268.42(d)	270.14(a); 264.13(a); 268.7; 268.35(c),(d); 268.36(d); 268.42(d)	FALSE	FALSE	FALSE	FALSE	FALSE	3.5	CAD000630921
SONGS	Section C. Waste Characteristics	C-3a(6)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Leachates. Leachate that originates from newly identified waste is not coded as F039 waste, but is labeled with newly listed waste code from which it is derived.	California Code of Regulations, title 22, section 66270.14(a); 66264.13(a); 66268.35(a)	270.14(a); 264.13(a); 268.35(a)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-3a(7)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Lab Packs. Lab packs containing California list polychlorinated biphenyls (PCB) or dioxins must be treated according to special incineration requirements detailed in 268.42(a).	California Code of Regulations, title 22, section 66270.14(a); 66264.13(a); 66268.42(c); Chapter 18 Appendix IV	270.14(a); 264.13(a); 268.7(a)(7),(8); 268.42(c); Part 268 Appendix IV	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	Section C. Waste Characteristics	C-3a(8)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Contaminated Debris	California Code of Regulations, title 22, section 66270.13(n); 66268.9; 66268.36; 66268.45	270.13(n); 268.2(g); 268.7; 268.9; 268.36; 268.45	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-3a(9)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Waste Mixtures and Wastes with Overlapping Requirements. Waste that carries more than one characteristic or listed waste code must be treated to the most stringent treatment requirement for each hazardous waste constituent of concern.	California Code of Regulations, title 22, section 66270.14(a); 66264.13(a)(1); 66268.9; 66268.41; 66268.43; 66268.45(a)	270.14(a); 264.13(a)(1); 268.7; 268.9; 268.41; 268.43; 268.45(a)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 3-1	CAD000630921
SONGS	Section C. Waste Characteristics	C-3b	Facilities Handling Waste Subject to Land Disposal Restriction	C	Notification, Certification, and Recordkeeping Requirements	California Code of Regulations, title 22, section 66270.14(a); 66264.13; 66264.73; 66268.7; 66268.9	270.14(a); 264.13; 264.73; 268.7; 268.9(d)	FALSE	FALSE	FALSE	FALSE	FALSE	3.4 9.0	CAD000630921
SONGS	Section C. Waste Characteristics	C-3b(1)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Retention of Generator Notices and Certifications	California Code of Regulations, title 22, section 66270.14(a); 66264.13; 66268.7(a)	270.14(a); 264.13; 268.7(a)	FALSE	FALSE	FALSE	FALSE	FALSE	3.4	CAD000630921
SONGS	Section C. Waste Characteristics	C-3b(2)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Notification and Certification Requirements for Treatment Facilities	California Code of Regulations, title 22, section 66270.14(a); 66264.13; 66268.7(b)	270.14(a); 264.13; 268.7(b)	FALSE	FALSE	FALSE	FALSE	FALSE	3.4	CAD000630921
SONGS	Section C. Waste Characteristics	C-3b(3)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Notification and Certification Requirements for Land Disposal Facilities	California Code of Regulations, title 22, section 66270.14(a); 66264.13; 66268.7(c)(1)	270.14(a); 264.13; 268.7(c)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	3.4	CAD000630921
SONGS	Section C. Waste Characteristics	C-3b(4)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Wastes Shipped to Subtitle C Facilities	California Code of Regulations, title 22, section 66270.14(a); 66264.13; 66268.7(a),(b)(6)	270.14(a); 264.13; 268.7(a),(b)(6)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 3-1	CAD000630921
SONGS	Section C. Waste Characteristics	C-3b(5)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Wastes Shipped to Subtitle D Facilities	California Code of Regulations, title 22, section 66270.14(a); 66264.13; 66268.7(d); 66268.9(d)	270.14(a); 264.13; 268.7(d); 268.9(d)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 3-1	CAD000630921
SONGS	Section C. Waste Characteristics	C-3b(6)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Recyclable Materials	California Code of Regulations, title 22, section 66270.14(a); 66264.13; 66268.7(b)(7	270.14(a); 264.13; 268.7(b)(7)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 3-1	CAD000630921

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Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	Section C. Waste Characteristics	C-3b(7)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Recordkeeping. Recycling facilities must keep records of name and location of each entity receiving hazardous waste-derived product.	California Code of Regulations, title 22, section 66270.14(a); 66264.13; 264.73; 66268.7(a)(5),(a)(6),(a)(7), (d)	270.14(a); 264.13; 264.73; 268.7(a)(5),(a)(6),(a)(7), (d)	FALSE	FALSE	FALSE	FALSE	FALSE	9.0	CAD000630921
SONGS	Section C. Waste Characteristics	C-3c	Facilities Handling Waste Subject to Land Disposal Restriction	C	Requirement Pertaining to the Storage of Restricted Wastes	California Code of Regulations, title 22, section 66270.14(a); 66264.73; 66268.50	270.14(a); 264.73; 268.50	FALSE	FALSE	FALSE	FALSE	FALSE	3.4	CAD000630921
SONGS	Section C. Waste Characteristics	C-3c(1)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Restricted Wastes Stored in Containers	California Code of Regulations, title 22, section 66270.14(a); 66264.73; 66268.50(a)(2)(A)	270.14(a); 264.73; 268.50(a)(2)(i)	FALSE	FALSE	FALSE	FALSE	FALSE	3.4	CAD000630921
SONGS	Section C. Waste Characteristics	C-3c(2)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Restricted Wastes Stored in Tanks	California Code of Regulations, title 22, section 66270.14(a); 66264.73; 66268.50(a)(2)(B)	270.14(a); 264.73; 268.50(a)(2)(ii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-3c(3)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Storage of Liquid PCB Wastes	California Code of Regulations, title 22, section 66270.14(a); 66264.73; 66268.50(f)	270.14(a); 264.73; 268.50(f)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-3d	Facilities Handling Waste Subject to Land Disposal Restriction	C	Exemptions, Extensions, and Variances to Land Disposal Restrictions			FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-3d(1)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Case-by-Case Extensions to an Effective Date	California Code of Regulations, title 22, section 66270.14(b)(20); 66268.5	270.14(b)(21); 268.5	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-3d(2)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Exemption from Prohibition	California Code of Regulations, title 22, section 66270.14(b)(20); 66268.6	270.14(b)(21); 268.6	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-3d(3)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Variance from a Treatment Standard	California Code of Regulations, title 22, section 66270.14(a); 66264.73; 66268.7; 66268.44	270.14(a); 264.73; 268.7; 268.44	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section C. Waste Characteristics	C-3d(4)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Requirements for Surface Impoundments Exempted from Land Disposal Restrictions	California Code of Regulations, title 22, section 66270.14(a)	270.14(a); 264.13(b)(7); 268.4; 268.14	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-3d(4)(a)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Exemption for Newly Identified or Listed Wastes	California Code of Regulations, title 22, section 66270.14(a); 66264.13	270.14(a); 264.13; 268.14	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-3d(4)(b)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Treatment of Wastes	California Code of Regulations, title 22, section 66270.14(a); 66264.13	270.14(a); 264.13; 268.4(a)(1),(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-3d(4)(c)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Sampling and Testing	California Code of Regulations, title 22, section 66270.14(a); 66264.13	270.14(a); 264.13(b)(6); 268.4(a)(2)(i),(iv)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-3d(4)(d)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Annual Removal of Residues	California Code of Regulations, title 22, section 66270.14(a); 66264.13	270.14(a); 264.13(b)(7)(iii); 268.4(a)(2)(ii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section C. Waste Characteristics	C-3d(4)(e)	Facilities Handling Waste Subject to Land Disposal Restriction	C	Design Requi rements	California Code of Regulations, title 22, section 66270.14(a); 66264.13	270.14(a); 264.13; 268.4(a)(3),(4)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section D. Process Information - Containers	D-1	Facilities Handling Containers	D-1	Containers. Applicability	California Code of Regulations, title 22, section 66270.15; 66264.170	270.15; 264.170	FALSE	FALSE	FALSE	FALSE	FALSE	4.3	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10	Facilities Handling Containment Building	D-10	Containment Buildings.	California Code of Regulations, title 22, section 66270.14(a), (b) 66264.1100 - 66264.1102	270.14(a),(b) 264.1100 - 264.1102	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10a	Facilities Handling Containment Building	D-10	Containment Building Description.	California Code of Regulations, title 22, section 66270.14(a), (b) 66264.1100(a); 66264.1101(a)	270.14(a),(b) 264.1100(a); 264.1101(a)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 4-1 Attachment 4-2	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10a(1)	Facilities Handling Containment Building	D-10	Construction. Provide description of unit, include dimensions and materials of construction.	California Code of Regulations, title 22, section 66270.14(a), (b) 66264.1100(a); 66264.1101(a)	270.14(a),(b) 264.1100(a); 264.1101(a)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 4-1 Attachment 4-2	CAD000630921

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SONGS	Section D. Process Information - Containment Building Description	D-10a(2)	Facilities Handling Containment Building	D-10	Strength Requirements. Provide results of calculations defining maximum loads or stresses that will be placed on containment building system.	California Code of Regulations, title 22, section 66270.14(a), (b) 66264.1100(a); 66264.1101(a)	270.14(a),(b) 264.1100(a); 264.1101(a)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 4-1 Attachment 4-2 4.1	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10a(3)	Facilities Handling Containment Building	D-10	Design Requirements for Units Not Managing Liquids.	California Code of Regulations, title 22, section 66270.14(a), (b) 66264.1100(b); 66264.1101(d)	270.14(a),(b) 264.1100(b); 264.1101(d)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 4-1 Attachment 4-2 4.2	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10a(3)(a)	Facilities Handling Containment Building	D-10	Primary Barrier. Provide detailed description of primary barrier, and demonstrate that it is sufficiently durable to withstand movement of personnel, waste, and handling equipment within unit.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1100(a),(b); 66264.1101(a)(4)	270.14(a),(b) 264.1100(a),(b); 264.1101(a)(4)	FALSE	FALSE	FALSE	FALSE	FALSE	4.1	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10a(4)	Facilities Handling Containment Building	D-10	Design Requirements for Units Managing Liquids.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1100(c); 66264.1101(a)(4),(b)	270.14(a),(b) 264.1100(c); 264.1101(a)(4),(b)	FALSE	FALSE	FALSE	FALSE	FALSE	4.1	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10a(4)(a)	Facilities Handling Containment Building	D-10	Primary Barrier. Describe how primary barrier is designed and constructed to prevent migration of hazardous constituents into barrier.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1100(c)(1); 66264.1101(b)(1)	270.14(a),(b) 264.1100(c)(1); 264.1101(b)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	4.1	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10a(4)(b)	Facilities Handling Containment Building	D-10	Liquid Collection System. Describe in detail liquid collection system that must be designed and constructed of materials to minimize accumulation of liquid on primary barrier.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1100(c)(2); 66264.1101(b)(3)	270.14(a),(b) 264.1100(c)(2); 264.1101(b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	4.2	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10a(4)(c)	Facilities Handling Containment Building	D-10	Secondary Containment System.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1100(c)(3)	270.14(a),(b) 264.1100(c)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 4-1 Attachment 4-2 4.2	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10a(4)(c)(i)	Facilities Handling Containment Building	D-10	Leak Detection System. Describe design and operating features of leak detection system.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1100(c)(3); 66264.1101(a),(b)(3)	270.14(a),(b) 264.1100(c)(3); 264.1101(a),(b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	4.1 Attachment 3-1	CAD000630921

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SONGS	Section D. Process Information - Containment Building Description	D-10a(4)(c)(ii)	Facilities Handling Containment Building	D-10	Secondary Barrier. Describe how secondary barrier is designed and constructed to prevent migration of hazardous constituents into barrier.	California Code of Regulations, title 22, section 66270.14(a),(b); 66264.1101(b)(3)	270.14(a),(b); 264.1100(b)(3); 264.1101(b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	4.2	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10a(4)(d)	Facilities Handling Containment Building	D-10	Temporary Variance from Secondary Containment Requirements.	California Code of Regulations, title 22, section 66270.14(a),(b)	270.14(a),(b) 264.1101(b)(4)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10a(4)(e)	Facilities Handling Containment Building	D-10	Waiver of Secondary Containment Requirements.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1101(e)	270.14(a),(b) 264.1101(e)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10a(5)	Facilities Handling Containment Building	D-10	Design of Units Managing Both Liquids and Nonliquids in the Same Unit. Identify areas of containment building that are constructed both with and without secondary containment, if applicable.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1101(d)	270.14(a),(b) 264.1101(d)	FALSE	FALSE	FALSE	FALSE	FALSE	4.1	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10a(6)	Facilities Handling Containment Building	D-10	Compatibility of Structure with Wastes. Demonstrate that all surfaces in contact with hazardous waste, collected liquids, or leachate must be chemically compatible with those waste.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1101(a)(2),(b)(3)(C)	270.14(a),(b) 264.1101(a)(2),(b)(3)(iii)	FALSE	FALSE	FALSE	FALSE	FALSE	4.1	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10a(7)	Facilities Handling Containment Building	D-10	Fugitive Dust Emissions.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1100(d); 66264.1101(c)(1)(D); Part 60 Appendix A	270.14(a),(b) 264.1100(d); 264.1101(c)(1)(iv); Part 60 Appendix A	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10a(8)	Facilities Handling Containment Building	D-10	Structural Integrity Requirements.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1101(a)(2)	270.14(a),(b) 264.1101(a)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 4-1 Attachment 4-2 4.1	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10a(9)	Facilities Handling Containment Building	D-10	Certification of Design.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1101(c)(2)	270.14(a),(b) 264.1101(c)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 4-1 Attachment 4-2	CAD000630921

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SONGS	Section D. Process Information - Containment Building Description	D-10b	Facilities Handling Containment Building	D-10	Containment Building Operations.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1101(c)	270.14(a),(b) 264.1101(c)	FALSE	FALSE	FALSE	FALSE	FALSE	4.1	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10b(1)	Facilities Handling Containment Building	D-10	Primary Barrier Integrity.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1101(b)(2)(B), (c)(1)(A)	270.14(a),(b) 264.1101(b)(2)(ii), (c)(1)(i)	FALSE	FALSE	FALSE	FALSE	FALSE	4.1	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10b(2)	Facilities Handling Containment Building	D-10	Volume of Waste. Describe how owner/operator will maintain level of stored and/or treated hazardous waste within containment walls of unit so that height of any containment wall is not exceeded.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1101(c)(1)(B)	270.14(a),(b) 264.1101(c)(1)(ii)	FALSE	FALSE	FALSE	FALSE	FALSE	4.1 4.4	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10b(3)	Facilities Handling Containment Building	D-10	Tracking of Waste Out of Unit.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1100(e); 66264.1101(c)(1)(C)	270.14(a),(b) 264.1100(e); 264.1101(c)(1)(iii)	FALSE	FALSE	FALSE	FALSE	FALSE	4.2	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10b(4)	Facilities Handling Containment Building	D-10	Liquids Removal. Describe sumps and liquid removal methods for liquids collection and leak detection systems. Indicate fate of collected liquids and leachates, which are considered hazardous waste.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1101(b)(2)(B), (b)(3)	270.14(a),(b) 264.1101(b)(2)(ii), (b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	4.1	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10b(5)	Facilities Handling Containment Building	D-10	Management of Incompatible Wastes. Indicate whether incompatible waste or treatment reagents will be placed in the unit or its secondary containment system.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1101(a)(3)	270.14(a),(b) 264.1101(a)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	4.1	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10b(6)	Facilities Handling Containment Building	D-10	Management of Liquids and Nonliquids in the Same Unit. For containment buildings that contain areas both with and without secondary containment, describe measures to prevent release of liquids or wet materials into areas without secondary containment.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1101(d)(2), (3)	270.14(a),(b) 264.1101(d)(2),(3)	FALSE	FALSE	FALSE	FALSE	FALSE	4.2 4.4	CAD000630921

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SONGS	Section D. Process Information - Containment Building Description	D-10b(7)	Facilities Handling Containment Building	D-10	Treatment of Wastes. If treatment of waste is conducted in containment building, describe how treatment will be conducted to prevent release of liquids, wet materials, or liquid aerosols to other portions of building.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1101(b)(3)(B)	270.14(a),(b) 264.1101(b)(3)(ii)	FALSE	FALSE	FALSE	FALSE	FALSE	4.2.2	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10b(8)	Facilities Handling Containment Building	D-10	Equipment Decontamination. Identify area used to decontaminate equipment and collect and manage any rinsate from decontamination. Identify fate of decontamination residues.	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1101(c)(1)(C)	270.14(a),(b) 264.1101(c)(1)(iii)	FALSE	FALSE	FALSE	FALSE	FALSE	4.2	CAD000630921
SONGS	Section D. Process Information - Containment Building Description	D-10c	Facilities Handling Containment Building	D-10	Containment Buildings as Tank Secondary Containment. Indicate whether containment building is intended to serve as a secondary containment system for a tank placed in the building. The unit must meet the requirements of 66264.193(b), 66264.193(c)(1), 66264.193(c)(2), and 264.193(d)(1).	California Code of Regulations, title 22, section 66270.14(a),(b) 66264.1101(b)(3)(C)	270.14(a),(b) 264.1101(b)(3)(iii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section D. Process Information - Drip Pads	D-11	Facilities Handling Drip Pads	D-11	Drip Pads.	California Code of Regulations, title 22, section 66270.26; 66264.570 - .575	270.26; 264.570 - .575	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section D. Process Information - Drip Pads	D-11a	Facilities Handling Drip Pads	D-11	Drip Pad Description. Drip pad requirements	California Code of Regulations, title 22, section 66270.26(b); 66264.573(a)	270.26(c); 264.573(a)-(f)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section D. Process Information - Drip Pads	D-11a(1)	Facilities Handling Drip Pads	D-11	Construction. Provide a description of the unit including dimensions and materials of construction. Drip pads must: be constructed of nonearthen materials; be sloped to free-drain treated wood drippage, rain and other waters or wastes to the associated collection system; and, have a curb or berm around the perimeter.	California Code of Regulations, title 22, section 66270.26(b); 66264.573(a)(1) - (4); 66264.573(b)(1) - (3)	270.26(c); 264.573(a)(1) - (4);264.573(b)(1) - (3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section D. Process Information - Drip Pads	D-11a(1)(a)	Facilities Handling Drip Pads	D-11	Existing Drip Pads. Existing drip pads must have a hydraulic conductivity of less than or equal to 1x10-7 centimeters per second. Provide a copy of the most recent written assessment of the drip pad. This assessment must be reviewed and certified by an independent, qualified registered professional engineer (PE). The assessment must be reviewed, updated and recertified annually.	California Code of Regulations, title 22, section 66270.26(b); 66264.571; 66264.573(a)(4)	270.26(c); 264.571; 264.573(a)(4)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section D. Process Information - Drip Pads	D-11a(1)(b)	Facilities Handling Drip Pads	D-11	New Drip Pads. New drip pads must have a synthetic liner installed below the pad. The liner must be constructed of materials that will prevent waste from being absorbed into the liner. A leakage detection system and a leakage collection system are also required	California Code of Regulations, title 22, section 66270.26(b); 66264.572; 66264.573(b)	270.26(c)(2) and (3); 264.572; 264.573(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section D. Process Information - Drip Pads	D-11b	Facilities Handling Drip Pads	D-11	Preventive Maintenance. Drip pads must be maintained to remain free of cracks, gaps, corrosion, etc., that could cause a release of hazardous waste.	California Code of Regulations, title 22, section 66270.26(b)(4); 66264.573(c)	270.26(c)(4); 264.573(c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section D. Process Information - Drip Pads	D-11b(1)	Facilities Handling Drip Pads	D-11	Prevent Runon and Runoff. The drip pad and associated collection system must be operated to prevent runoff. Unless protected by a structure, the runon and runoff control systems must have the capacity to prevent flow onto the drip pad from a 24-hour, 25-year storm. All collection systems must be emptied as soon as possible after storms to maintain design capacity.	California Code of Regulations, title 22, section 66270.26(b)(5)-(7); 66264.573(d), (e), (f) and (l); 66270.26(b)(12)	270.26(c)(5)(7) and (12); 264.573(d), (e), (f) and (l)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section D. Process Information - Drip Pads	D-11b(2)	Facilities Handling Drip Pads	D-11	Certification. Provide certification from a qualified, registered PE stating the drip pad meets the requirements of section 66264.573.	California Code of Regulations, title 22, section 66270.26(b)(15); 66264.573(g)	270.26(c)(15); 264.573(g)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section D. Process Information - Drip Pads	D-11b(3)	Facilities Handling Drip Pads	D-11	Maintaining Collection System. Provide plan for removal of drippage and accumulated precipitation from collection system as necessary to prevent overflow.	California Code of Regulations, title 22, section 66270.26(b)(8); 66264.573(h)	270.26(c)(8); 264.573(h)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section D. Process Information - Drip Pads	D-11b(4)	Facilities Handling Drip Pads	D-11	Cleaning Drip Pad Surface. Drip pad surface must be cleaned appropriately to allow weekly inspection of the entire surface and to minimize tracking of hazardous waste or hazardous waste constituents off the drip pad.	California Code of Regulations, title 22, section 66270.26(b)(9); 66264.573(i),(j)	270.26(c)(9); 264.573(i),(j)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section D. Process Information - Drip Pads	D-11b(5)	Facilities Handling Drip Pads	D-11	Recordkeeping. Maintain records sufficient to document that all treated wood is held on the pad following treatment in accordance with the requirements of this section.	California Code of Regulations, title 22, section 66270.26(b)(11); 66264.573(k)	270.26(c)(11); 264.573(k)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section D. Process Information - Containers	D-1a	Facilities Handling Containers	D-1	Containers with Free Liquids. Containers storing waste with free liquids must meet secondary containment requirements of 66264.175(b).	California Code of Regulations, title 22, section 66270.15; 66264.175(a),(b)	270.15; 264.175(a),(b)	FALSE	FALSE	FALSE	FALSE	FALSE	4.1 4.3	CAD000630921
SONGS	Section D. Process Information - Containers	D-1a(1)	Facilities Handling Containers	D-1	Description of Containers. Specify numbers of containers, sizes, and specifications.	California Code of Regulations, title 22, section 66270.15(a)(3); 66270.14(b)(1); 66264.171,172	270.15(a)(3); 264.171,172	FALSE	FALSE	FALSE	FALSE	FALSE	4.1	CAD000630921
SONGS	Section D. Process Information - Containers	D-1a(2)	Facilities Handling Containers	D-1	Container Management Practices. Containers must be kept closed and must not be handled in any manner which could cause them to rupture or leak. Specify aisle space and stacking height.	California Code of Regulations, title 22, section 66264.171; 66264.173; 66270.15(b), (c)	264.173	FALSE	FALSE	FALSE	FALSE	FALSE	4.2 4.4	CAD000630921
SONGS	Section D. Process Information - Containers	D-1a(3)	Facilities Handling Containers	D-1	Secondary Containment System Design and Operation. Provide detailed design and profile drawings showing container storage areas.	California Code of Regulations, title 22, section 66270.15(a)(1); 66264.175(a)-(d)	270.15(a)(1); 264.175(a)-(d)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 4-1 Attachment 4-2	CAD000630921
SONGS	Section D. Process Information - Containers	D-1a(3)(a)	Facilities Handling Containers	D-1	Requirement for the Base or Liner to Contain Liquids. Demonstrate that base is impervious to waste stored and precipitation.	California Code of Regulations, title 22, section 66264.175(b)(1)	264.175(b)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	4.1	CAD000630921

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SONGS	Section D. Process Information - Containers	D-1a(3)(b)	Facilities Handling Containers	D-1	Containment System Drainage. Containment system must be designed and operated to remove liquids resulting from leaks, spills, or precipitation.	California Code of Regulations, title 22, section 66270.15(a)(2); 66264.175(b)(2)	270.15(a)(2); 264.175(b)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	4.1	CAD000630921
SONGS	Section D. Process Information - Containers	D-1a(3)(c)	Facilities Handling Containers	D-1	Containment System Capacity. Containment system must have capacity to hold 10 percent of container volume or volume of the largest container, whichever is greater.	California Code of Regulations, title 22, section 66270.15(a)(3); 66264.175(b)(3)	270.15(a)(3); 264.175(b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	4.1	CAD000630921
SONGS	Section D. Process Information - Containers	D-1a(3)(d)	Facilities Handling Containers	D-1	Control of Run-on. Run-on from storm water must be prevented unless containment system has sufficient excess capacity.	California Code of Regulations, title 22, section 66270.15(a)(4); 66264.175(b)(4)	270.15(a)(4); 264.175(b)(4)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 4-1 Attachment 4-2	CAD000630921
SONGS	Section D. Process Information - Containers	D-1a(3)(e)	Facilities Handling Containers	D-1	Removal of Liquids from Containment System. Accumulated liquids must be removed in timely manner to prevent containment system from overflowing.	California Code of Regulations, title 22, section 66270.15(a)(5); 66264.175(b)(5)	270.15(a)(5); 264.175(b)(5)	FALSE	FALSE	FALSE	FALSE	FALSE	4.3	CAD000630921
SONGS	Section D. Process Information - Containers	D-1b	Facilities Handling Containers	D-1	Containers without Free Liquids	California Code of Regulations, title 22, section 66264.175(d) and (e)	270.15(b); 264.175(c) and (d)	FALSE	FALSE	FALSE	FALSE	FALSE	4.3	CAD000630921
SONGS	Section D. Process Information - Containers	D-1b(1)	Facilities Handling Containers	D-1	Test for Free Liquids. Documentation that waste does not contain free liquids must be provided by test results or other information.	California Code of Regulations, title 22, section 66270.15	270.15(b)(1	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 3-1	CAD000630921
SONGS	Section D. Process Information - Containers	D-1b(2)	Facilities Handling Containers	D-1	Description of Containers (without free liquid). Describe numbers, sizes, and specifications of containers.	California Code of Regulations, title 22, section 66264.171; 66264.172	264.171; 264.172	FALSE	FALSE	FALSE	FALSE	FALSE	4.1	CAD000630921
SONGS	Section D. Process Information - Containers	D-1b(3)	Facilities Handling Containers	D-1	Container Management Practices (without fee liquid). Same comment as D-1a(2).	California Code of Regulations, title 22, section 66270.14(a); 66264.173	264.173	FALSE	FALSE	FALSE	FALSE	FALSE	4.2 4.4	CAD000630921
SONGS	Section D. Process Information - Containers	D-1b(4)	Facilities Handling Containers	D-1	Container Storage Area Drainage (w/o free liquid). Same comment as D-1a(3)(b).	California Code of Regulations, title 22, section 66264.175(b)	270.15(b)(2); 264.175(c)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	4.1	CAD000630921

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SONGS	CEQA	Environmental Information Form	All Facilities	CEQA	California Code of Regulations, title 22, section 66270.14(e) requires the submission of environmental information necessary for DTSC to complete a CEQA Initial Study for the project.	California Code of Regulations, title 22, section 66270.14(e)		FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-1	All Facilities	F	Waiver. Owner/operator must prevent unknowing entry, and minimize unauthorized entry of persons or livestock unless can demonstrate:	California Code of Regulations, title 22, section 66270.14(b)(4); 66264.14	270.14(b)(4); 264.14	FALSE	FALSE	FALSE	FALSE	FALSE	5.1	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-1a	All Facilities	F	Injury to Intruder. Assure physical contact with waste, structure, or equipment will not injure unknowing intruder.	California Code of Regulations, title 22, section 66270.14(b)(4); 66264.14(a)(1)	270.14(b)(4); 264.14	FALSE	FALSE	FALSE	FALSE	FALSE	5.1	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-1a(1)	All Facilities	F	Violation Caused by Intruder. Assure disturbance of waste or equipment by unauthorized intruder will not cause a violation.	California Code of Regulations, title 22, section 66270.14(b)(4); 66264.14(a)(2)	270.14(b)(4); 264.14	FALSE	FALSE	FALSE	FALSE	FALSE	5.1	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-1b	All Facilities	F	Security Procedures and Equipment. Unless waiver is granted, facility must have surveillance system or a barrier to entry.	California Code of Regulations, title 22, section 66270.14(b)(4); 66264.14	270.14(b)(4); 264.14	FALSE	FALSE	FALSE	FALSE	FALSE	5.1 2.1.3	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-1b(1)	All Facilities	F	24-Hour Surveillance System. Monitor/camera, guards, or personnel must continuously monitor or control access to active parts of facility.	California Code of Regulations, title 22, section 66270.14(b)(4); 66264.14(b)(1)	270.14(b)(4); 264.14	FALSE	FALSE	FALSE	FALSE	FALSE	5.1 2.1.3	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-1b(2)	All Facilities	F	Barrier. This item required if 24-hour surveillance system is not feasible. Describe artificial or natural barrier.	California Code of Regulations, title 22, section 66270.14(b)(4); 66264.14(b)(2)(A)	270.14(b)(4); 264.14	FALSE	FALSE	FALSE	FALSE	FALSE	5.1 2.1.3	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-1b(2)(a)	All Facilities	F	Means to Control Entry. This item required if 24-hour surveillance system is not feasible.	California Code of Regulations, title 22, section 66270.14(b)(4); 66264.14(b)(2)(B)	270.14(b)(4); 264.14	FALSE	FALSE	FALSE	FALSE	FALSE	5.1 2.1.3	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-1b(3)	All Facilities	F	Warning Signs. Signs in English must be posted at each entrance, and be legible from 25 feet.	California Code of Regulations, title 22, section 66270.14(b)(4); 66264.14	270.14(b)(4); 264.14	FALSE	FALSE	FALSE	FALSE	FALSE	5.1 2.1.3	CAD000630921

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SONGS	Section F. Procedures to Prevent Hazards	F-2	All Facilities	F	Inspection Schedule. Inspection is required for monitoring equipment, safety emergency equipment, communication and alarm systems, decontamination equipment, security devices, and operating and structural equipment.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.15	270.14(b)(5); 264.15	FALSE	FALSE	FALSE	FALSE	FALSE	5.2 Attachment 5-1	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2a	All Facilities	F	General Inspection Requirements	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.15(a),(b); 66264.33	270.14(b)(5); 264.15(a),(b); 264.33	FALSE	FALSE	FALSE	FALSE	FALSE	5.3	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2a(1)	All Facilities	F	Types of Problems. Inspection checklist must identify types of problem.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.15(b)(3)	270.14(b)(5); 264.15(b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	5.2	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2a(2)	All Facilities	F	Frequency of Inspections. Based on rate of deterioration of equipment and probability of environmental or human health incident.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.15(b)(4)	270.14(b)(5); 264.15(b)(4)	FALSE	FALSE	FALSE	FALSE	FALSE	5.2 Att. 5-1	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2a(3)	All Facilities	F	Schedule of Remedial Action. Owner/operator must immediately remedy any deterioration or malfunction of equipment or structures to ensure problem does not lead to environmental or human health hazard.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.15(c)	270.14(b)(5); 264.15(c)	FALSE	FALSE	FALSE	FALSE	FALSE	5.3	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2a(4)	All Facilities	F	Inspection Log. Provide example log or summary.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.15(d)	270.14(b)(5); 264.15(d)	FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b	All Facilities	F	Specific Process Inspection Requirements	California Code of Regulations, title 22, section 66270.14(b)(5)	270.14(b)(5)	FALSE	FALSE	FALSE	FALSE	FALSE	5.3	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(1)	Facilities Handling Containers	F	Container Inspection. Inspect at least weekly.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.174	270.14(b)(5); 264.174	FALSE	FALSE	FALSE	FALSE	FALSE	5.2	CAD000630921

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SONGS	Section F. Procedures to Prevent Hazards	F-2b(10)	Facilities with Containment Buildings	F	Containment Building Inspection. Demonstrate owner/operator will inspect and document at least weekly, monitoring equipment, leak detection equipment, containment building, and surrounding areas for waste releases.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.1101(c)(3), (4)	270.14(b)(5); 264.1101(c)(3), (4)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(11)	Facilities with Drip Pads	F	Drip Pad Inspection. Demonstrate that the drip pad owner/operator will inspect and document at least weekly and after storms, the leak detection and collection equipment, the drip pad surface, and the run-on and runoff control systems for evidence of deterioration, malfunction, improper operation, or leakage of hazardous waste.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.574	270.14(b)(5); 264.574	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(2)	Facilities with Tanks	F	Tank System Inspection. Owner/operator must develop schedule and inspect at least once daily.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.195(a)	270.14(b)(5); 264.195	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(2)(a)	Facilities with Tanks	F	Tank System External Corrosion and Releases. Owner/operator must inspect that aboveground portion and check for corrosion.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.195(b)(1)	270.14(b)(5); 264.195(b)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(2)(b)	Facilities with Tanks	F	Tank System Construction Materials and Surrounding Area. Observe construction materials and area around external portion for signs of release of hazardous waste.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.195(b)(3)	270.14(b)(5); 264.195(b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(2)(c)	Facilities with Tanks	F	Tank System Overfilling Control Equipment. Develop and follow schedule for inspection of overfill controls.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.195(a)	270.14(b)(5); 264.195(a)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(2)(d)	Facilities with Tanks	F	Tank System Monitoring and Leak Detection Equipment. Analyze data gathered from monitoring equipment to ensure tank is operating according to design.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.195(b)(2)	270.14(b)(5); 264.195(b)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section F. Procedures to Prevent Hazards	F-2b(2)(e)	Facilities with Tanks	F	Tank System Cathodic Protection. Inspect according to schedule.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.195(c)	270.14(b)(5); 264.195(c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(3)	Facilities with Waste Piles	F	Waste Pile Inspection. Describe how waste pile will be inspected weekly and after storms.	California Code of Regulations, title 22, section 66270.14(b)(5); 66270.18(d); 66264.254(b)	270.14(b)(5); 270.18(d); 264.254(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(3)(a)	Facilities with Waste Piles	F	Run-on and Runoff Control System. Inspections should identify deterioration, malfunction, or improper operation of control system.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.254(b)(1)	270.14(b)(5); 264.254(b)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(3)(b)	Facilities with Waste Piles	F	Wind Dispersal System. Facility should inspect proper function of wind dispersal system.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.254(b)(2)	270.14(b)(5); 264.254(b)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(3)(c)	Facilities with Waste Piles	F	Leachate Collection and Removal System. Determine whether there is leachate present in functioning double liner system.	California Code of Regulations, title 22, section 66270.14(b)(5); 66270.18 (d); 66264.254(b)(3), (c)	270.14(b)(5); 270.18 (d); 264.254(b)(3), (c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(4)	Facilities with Surface Impoundments	F	Surface Impoundment Inspection. Describe how each surface impoundment will be inspected to meet requirements of monitoring and inspection and waiver requirement.	California Code of Regulations, title 22, section 66270.14(b)(5); 66270.17(c); 66264.226(b), (c)	270.14(b)(5); 270.17(c); 264.226(b), (c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(4)(a)	Facilities with Surface Impoundments	F	Condition Assessment. Describe how surface impoundment will be inspected weekly and after storms.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.226(b)	270.14(b)(5); 264.226(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(4)(a)(1)	Facilities with Surface Impoundments	F	Overtopping Control System. Inspect for deteriorating, malfunction, or improper operation of control system.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.226(b)(1)	270.14(b)(5); 264.226(b)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(4)(a)(2)	Facilities with Surface Impoundments	F	Impoundment Contents. Inspect for sudden drop in level of impoundment contents.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.226(b)(2)	270.14(b)(5); 264.226(b)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section F. Procedures to Prevent Hazards	F-2b(4)(a)(3)	Facilities with Surface Impoundments	F	Dikes and Containment Devices. Inspect for severe erosion in containment devices.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.226(b)(3)	270.14(b)(5); 264.226(b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(4)(b)	Facilities with Surface Impoundments	F	Structural Integrity. Specify procedure for assessing integrity of surface impoundments.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.226(c)	270.14(b)(5); 264.226(c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(4)(c)	Facilities with Surface Impoundments	F	Leak Detection System. Describe how double liner system and leak detection system will be inspected.	California Code of Regulations, title 22, section 66270.14(b)(5); 66270.17(c); 66264.226(d)	270.14(b)(5); 270.17(c); 264.226(d)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(5)	Facilities with Incineration Units	F	Incinerator and Associated Equipment. Describe procedures for daily visual inspection of incinerator and associated equipment.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.347(b)	270.14(b)(5); 264.347(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(5)(a)	Facilities with Incineration Units	F	Incinerator Waste Feed Cutoff System and Alarms. Describe procedure and frequency of testing emergency waste feed cutoff system.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.347(c)	270.14(b)(5); 264.347(c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(6)	Facilities with Landfills	F	Landfill Inspection. For operating landfill, describe how it will be inspected weekly and after storms.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.303(b)	270.14(b)(5); 264.303(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(6)(a)	Facilities with Landfills	F	Run-on and Runoff Control System. Deterioration, malfunction, or improper operation of run-on and runoff control system.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.303(b)(1)	270.14(b)(5); 264.303(b)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(6)(b)	Facilities with Landfills	F	Wind Dispersal Control System. Proper functioning of wind dispersal control systems, where present.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.303(b)(2)	270.14(b)(5); 264.303(b)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(6)(c)	Facilities with Landfills	F	Leachate Collection and Removal System. In properly functioning double liner system, is there a presence of leachate? Leak detection required under 66264.301(c) or 66264.301(d) must record amount of leakage from each system weekly.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.303(b)(3), (c)	270.14(b)(5); 264.303(b)(3), (c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section F. Procedures to Prevent Hazards	F-2b(7)	Facilities with Land Treatment Units	F	Land Treatment Facility Inspection. Describe how land treatment facility will be inspected weekly and after storms.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.273(g)	270.14(b)(5); 264.273(g)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(7)(a)	Facilities with Land Treatment Units	F	Run-on and Runoff Control System	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.273(g)(1)	270.14(b)(5); 264.273(g)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(7)(b)	Facilities with Land Treatment Units	F	Wind Dispersal Control System	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.273(g)(2)	270.14(b)(5); 264.273(g)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(8)	Facilities with Miscellaneous Units	F	Miscellaneous Unit Inspections. Provide inspection program that ensures compliance with standards in 66264.601 and 66270.23.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.602	270.14(b)(5); 264.602	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-2b(9)	Facilities with Boilers or Industrial Furnaces	F	Boilers and Industrial Furnaces (BIF) Inspection. Demonstrate that BIF will be visually inspected daily, automatic waste feed cutoff inspected at least weekly, and direct transfer area at least once an hour when waste is being transferred.	California Code of Regulations, title 22, section 66270.14(b)(5); 66264.15; 66266.102(a)(2)(B),(e)(8); 66266.111(e)(3)	270.14(b)(5); 264.15; 266.102(a)(2)(ii),(e)(8); 266.111(e)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-3	All Facilities	F	Waiver or Documentation of Preparedness and Prevention Requirements. Facility must submit justification for any waiver to requirements of this section.	California Code of Regulations, title 22, section 66270.14(b)(6); 66264.32(a) - (d)	270.14(b)(6); 264.32(a) - (d)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-3a	All Facilities	F	Equipment Requirements	California Code of Regulations, title 22, section 66270.14(b); 66264.32	270.14(b); 264.32	FALSE	FALSE	FALSE	FALSE	FALSE	5.4	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-3a(1)	All Facilities	F	Internal Communication. Describe internal communication or alarm system used to provide immediate emergency instruction to personnel.	California Code of Regulations, title 22, section 66270.14(b); 66264.32(a)	270.14(b); 264.32(a)	FALSE	FALSE	FALSE	FALSE	FALSE	5.4.3 5.4.5	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-3a(2)	All Facilities	F	External Communication. Describe device for summoning emergency assistance from local police, fire, or state/local emergency response.	California Code of Regulations, title 22, section 66270.14(b); 66264.32(b)	270.14(b); 264.32(b)	FALSE	FALSE	FALSE	FALSE	FALSE	5.4.3	CAD000630921

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SONGS	Section F. Procedures to Prevent Hazards	F-3a(3)	All Facilities	F	Emergency Equipment. Demonstrate that portable fire extinguishers, fire control equipment, spill control equipment, and decontamination equipment are available.	California Code of Regulations, title 22, section 66270.14(b); 66264.32(c)	270.14(b); 264.32(c)	FALSE	FALSE	FALSE	FALSE	FALSE	5.4	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-3a(4)	All Facilities	F	Water and Fire Control. Demonstrate facility has adequate fire control systems, water volume and pressure, foaming equipment, automatic sprinklers, etc.	California Code of Regulations, title 22, section 66270.14(b); 66264.32(d)	270.14(b); 264.32(d)	FALSE	FALSE	FALSE	FALSE	FALSE	5.4.3	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-3a(5)	All Facilities	F	Testing and Maintenance of Equipment. Demonstrate communication, alarm, fire control equipment, spill control equipment, and decontamination equipment are tested and maintained.	California Code of Regulations, title 22, section 66270.14(b); 66264.33	270.14(b); 264.33	FALSE	FALSE	FALSE	FALSE	FALSE	5.4.4	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-3a(6)	All Facilities	F	Access to Communication or Alarm System. When waste is being hauled, all personnel must have access to internal alarm or communication device.	California Code of Regulations, title 22, section 66270.14(b); 66264.34	270.14(b); 264.34	FALSE	FALSE	FALSE	FALSE	FALSE	5.4.5	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-3b	Facilities Handling Containers	F	Aisle Space Requirement Aisle Space Requirement. Aisle space is required for unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment in case of emergency.	California Code of Regulations, title 22, section 66270.14(b); 66264.35	270.14(b); 264.35	FALSE	FALSE	FALSE	FALSE	FALSE	5.4.6	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-3c	Facilities Handling Containers	F	Documentation of Arrangements with: Owner/operator must make arrangements, as appropriate, with type of waste and hazard potential, for the potential need for services.	California Code of Regulations, title 22, section 66270.14(b); 66264.37	270.14(b); 264.37	FALSE	FALSE	FALSE	FALSE	FALSE	6.5.2	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-3c(1)	Facilities Handling Containers	F	Police/Fire Department. Arrange to familiarize local fire department and police with facility.	California Code of Regulations, title 22, section 66270.14(b); 66264.37(a)(1)	270.14(b); 264.37(a)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	6.5.2	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-3c(2)	Facilities Handling Containers	F	Emergency Response Teams	California Code of Regulations, title 22, section 66270.14(b); 66264.37(a)(2), (a)(3)	270.14(b); 264.37(a)(2), (a)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	6.5.2	CAD000630921

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SONGS	Section F. Procedures to Prevent Hazards	F-3c(3)	Facilities Handling Containers	F	Local Hospitals. Arrange to familiarize local hospital with properties of hazardous waste and possible types of injury or illness to expect.	California Code of Regulations, title 22, section 66270.14(b); 66264.37(a)(4)	270.14(b); 264.37(a)(4)	FALSE	FALSE	FALSE	FALSE	FALSE	6.5.2	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-3c(4)	Facilities Handling Containers	F	Document Agreement Refusal. Document refusal to enter into a coordination agreement.	California Code of Regulations, title 22, section 66270.14(b); 66264.37(b)	270.14(b); 264.37(b)	FALSE	FALSE	FALSE	FALSE	FALSE	6.5.2	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-4	Facilities Handling Containers	F	Prevention Procedures, Structures, and Equipment	California Code of Regulations, title 22, section 66270.14	270.14	FALSE	FALSE	FALSE	FALSE	FALSE	5.5	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-4a	Facilities Handling Containers	F	Unloading Procedures. Describe procedure used to prevent hazards in unloading operations. Identify possible loading and unloading hazards, and document steps taken to minimize or eliminate possibility of these hazards.	California Code of Regulations, title 22, section 66270.14(b)(8)(A)	270.14(b)(8)(i)	FALSE	FALSE	FALSE	FALSE	FALSE	5.5.1	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-4b	Facilities Handling Containers	F	Runoff. Describe procedure used to prevent runoff from hazardous waste handling areas.	California Code of Regulations, title 22, section 66270.14(b)(8)(B)	270.14(b)(8)(ii)	FALSE	FALSE	FALSE	FALSE	FALSE	5.5.2	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-4c	Facilities Handling Containers	F	Water Supplies. Describe procedure, structures, equipment used to prevent contamination of water supply.	California Code of Regulations, title 22, section 66270.14(b)(8)(C)	270.14(b)(8)(iii)	FALSE	FALSE	FALSE	FALSE	FALSE	6.5.3	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-4d	Facilities Handling Containers	F	Equipment and Power Failure. Describe procedure used to mitigate the effects of equipment failure and power outages.	California Code of Regulations, title 22, section 66270.14(b)(8)(D)	270.14(b)(8)(iv)	FALSE	FALSE	FALSE	FALSE	FALSE	6.5.4	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-4e	Facilities Handling Containers	F	Personnel Protection Procedures. Describe procedure, structures, equipment used to prevent contamination of personnel to hazardous waste.	California Code of Regulations, title 22, section 66270.14(b)(8)(E)	270.14(b)(8)(v)	FALSE	FALSE	FALSE	FALSE	FALSE	6.5.5	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-4f	Facilities Handling Containers	F	Procedures to Minimize Releases to the Atmosphere. Describe procedure, structures, equipment used to prevent hazardous waste releases to the atmosphere.	California Code of Regulations, title 22, section 66270.14(b)(8)(F)	270.14(b)(8)(vi)	FALSE	FALSE	FALSE	FALSE	FALSE	6.5.6	CAD000630921

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SONGS	Section F. Procedures to Prevent Hazards	F-5	Facilities Handling Containers	F	Prevention of Reaction of Ignitable, Reactive, and Incompatible Waste	California Code of Regulations, title 22, section 66270.14(b)(9)	270.14(b)(9)	FALSE	FALSE	FALSE	FALSE	FALSE	5.6	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-5a	Facilities Handling Containers	F	Precautions to Prevent Ignition or Reaction of Ignitable or Reactive Wastes. Waste must be protected from sources of ignition or reaction. Describe precautions taken by facility to prevent actual ignition, including sources of spontaneous ignition and radiant heat. Owner/operator must designate safe areas for smoking and open flames. Post signs where hazard exists.	California Code of Regulations, title 22, section 66270.14(b)(9); 66264.17(a),(b)	270.14(b)(9); 264.17(a),(b)	FALSE	FALSE	FALSE	FALSE	FALSE	5.6	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-5b	Facilities Handling Containers	F	General Precautions for Handling Ignitable or Reactive Waste and Mixing of Incompatible Waste. Describe precautions taken by facility to prevent reactions that generate heat, produce flammable byproducts, cause risk of fire or explosion, threaten structural integrity, or pose threat to human life or the environment.	California Code of Regulations, title 22, section 66270.14(b)(9); 66264.17(a)	270.14(b)(9); 264.17(a)	FALSE	FALSE	FALSE	FALSE	FALSE	5.6	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-5b(1)	Facilities Handling Containers	F	Documentation of Adequacy of Procedures. Published literature, trial test, waste analyses, or similar processes may be used.	California Code of Regulations, title 22, section 66270.14(b); 66264.17(c)	270.14(b); 264.17(c)	FALSE	FALSE	FALSE	FALSE	FALSE	5.7	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-5c	Facilities Handling Containers	F	Management of Ignitable or Reactive Wastes in Containers. Demonstrate that ignitable containers are at least 15 meters from facility property line.	California Code of Regulations, title 22, section 66270.15(b); 66264.176	270.15(c); 264.176	FALSE	FALSE	FALSE	FALSE	FALSE	5.6	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-5d	Facilities Handling Containers	F	Management of Incompatible Wastes in Containers. Describe procedures that ensure incompatible wastes and materials are not placed in same container.	California Code of Regulations, title 22, section 66270.15(c); 66264.177	270.15(d); 264.177	FALSE	FALSE	FALSE	FALSE	FALSE	5.7.2	CAD000630921

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SONGS	Section F. Procedures to Prevent Hazards	F-5e	Facilities with Tanks	F	Management of Ignitable or Reactive Wastes in Tank Systems. Describe operation procedures and how facility treats waste so it is no longer ignitable or how facility stores ignitable or reactive waste.	California Code of Regulations, title 22, section 66270.16(j); 66264.198	270.16(j); 264.198	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-5f	Facilities with Tanks	F	Management of Incompatible Wastes in Tank Systems. Demonstrate that incompatible waste and materials are not stored in same tank.	California Code of Regulations, title 22, section 66270.16(j); 66264.199	270.16(j); 264.199	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-5g	Facilities with Waste Piles	F	Management of Ignitable or Reactive Wastes Placed in Waste Piles. If waste is reactive or ignitable, describe how handling process will render waste pile nonreactive and/or nonignitable.	California Code of Regulations, title 22, section 66270.18(g); 66264.256	270.18(g); 264.256	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-5h	Facilities with Waste Piles	F	Management of Incompatible Wastes Placed in Waste Piles. Document how hazardous waste piles of incompatible materials are separated to render them nonreactive.	California Code of Regulations, title 22, section 66270.18(h); 66264.257	270.18(h); 264.257	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-5i	Facilities with Surface Impoundments	F	Management of Ignitable or Reactive Wastes in Surface Impoundments. If waste is reactive or ignitable, describe how handling process will render surface impoundments nonreactive and/or nonignitable.	California Code of Regulations, title 22, section 66270.17(h); 66264.229	270.17(h); 264.229	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-5j	Facilities with Surface Impoundments	F	Management of Incompatible Wastes in Surface Impoundments. Document how hazardous surface impoundments of incompatible materials are separated to render them nonreactive.	California Code of Regulations, title 22, section 66270.17(h); 66264.230	270.17(h); 264.230	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-5k	Facilities with Landfills	F	Management of Ignitable or Reactive Wastes Placed in Landfills. If waste is reactive or ignitable, describe how handling process will prevent reaction or ignition to landfills.	California Code of Regulations, title 22, section 66270.21(f); 66264.312	270.21(f); 264.312	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-5l	Facilities with Landfills	F	Management of Incompatible Wastes Placed in Landfills. Document how hazardous landfills of incompatible materials are separated to render them nonreactive.	California Code of Regulations, title 22, section 66270.21(g); 66264.313	270.21(g); 264.313	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section F. Procedures to Prevent Hazards	F-5m	Facilities with Land Treatment Units	F	Management of Ignitable or Reactive Wastes Placed in Land Treatment Units. If waste is reactive or ignitable, describe how handling process will render land treatment units nonreactive and/or nonignitable.	California Code of Regulations, title 22, section 66270.20(g); 66264.281	270.20(g); 264.281	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-5n	Facilities with Land Treatment Units	F	Management of Incompatible Wastes Placed in Land Treatment Units. Document how land treatment unit piles of incompatible materials are separated to render them nonreactive.	California Code of Regulations, title 22, section 66270.20(h); 66264.282	270.20(h); 264.282	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section F. Procedures to Prevent Hazards	F-5o	Facilities with Containment Buildings	F	Management of Incompatible Wastes Placed in Containment Buildings. Subsections include design, primary and secondary containment, barriers to prevent migration, leak detection, and facility logs.	California Code of Regulations, title 22, section 66270.14(a); 66264.1101(a)(3)	270.14(a); 264.1101(a)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-1	All Facilities	G	Contingency Plan	California Code of Regulations, title 22, section 66270.14(b)(7)	270.14(b)(7)	FALSE	FALSE	FALSE	FALSE	FALSE	6.0	CAD000630921
SONGS	Section G. Contingency Plan	G-2	All Facilities	G	Emergency Coordinators. There must at least be one primary emergency coordinator available at all times.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.52(d); 66264.55	270.14(b)(7); 264.52(d); 264.55	FALSE	FALSE	FALSE	FALSE	FALSE	6.1	CAD000630921
SONGS	Section G. Contingency Plan	G-3	All Facilities	G	Implementation. Emergency coordinator to determine that facility has had a release, fire, or explosion that could threaten human health or the environment outside facility.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.52(a); 66264.56(d)	270.14(b)(7); 264.52(a); 264.56(d)	FALSE	FALSE	FALSE	FALSE	FALSE	6.2	CAD000630921
SONGS	Section G. Contingency Plan	G-4	All Facilities	G	Emergency Actions	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.56	270.14(b)(7); 264.56	FALSE	FALSE	FALSE	FALSE	FALSE	6.2	CAD000630921
SONGS	Section G. Contingency Plan	G-4a	All Facilities	G	Notification. Describe the method for immediate notification of facility personnel and necessary state and local agencies.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.56(a)	270.14(b)(7); 264.56(a)	FALSE	FALSE	FALSE	FALSE	FALSE	6.2.1	CAD000630921

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SONGS	Section G. Contingency Plan	G-4b	All Facilities	G	Identification of Hazardous Materials. Observation, records or manifest, or chemical analysis may be used by emergency coordinator.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.56(b)	270.14(b)(7); 264.56(b)	FALSE	FALSE	FALSE	FALSE	FALSE	6.2.2	CAD000630921
SONGS	Section G. Contingency Plan	G-4c	All Facilities	G	Assessment. Direct and indirect effects must be considered.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.56(c),(d)	270.14(b)(7); 264.56(c),(d)	FALSE	FALSE	FALSE	FALSE	FALSE	6.2.3	CAD000630921
SONGS	Section G. Contingency Plan	G-4d	All Facilities	G	Control Procedures. Contingency plan must describe actions facility personnel must take in response to fires, explosions, or any unplanned release of hazardous waste to air, soil, or surface water.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.52(a)	270.14(b)(7); 264.52(a)	FALSE	FALSE	FALSE	FALSE	FALSE	6.2.4	CAD000630921
SONGS	Section G. Contingency Plan	G-4e	All Facilities	G	Prevention of Recurrence of Spread of Fires, Explosions, or Releases. Measures must include stopping processes and operations, collecting and containing release of waste, and removing or isolating containers.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.56(e)	270.14(b)(7); 264.56(e)	FALSE	FALSE	FALSE	FALSE	FALSE	6.2.4	CAD000630921
SONGS	Section G. Contingency Plan	G-4e(1)	All Facilities	G	Monitor for Leaks, Pressure Buildup, Gas Generation or Ruptures of Released Material. This item applies if facility stops operations.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.56(f)	270.14(b)(7); 264.56(f)	FALSE	FALSE	FALSE	FALSE	FALSE	6.2.5	CAD000630921
SONGS	Section G. Contingency Plan	G-4f	All Facilities	G	Storage, Treatment, and Disposal of Released Material. After emergency, emergency coordinator must provide for treating, storing, and disposing of recovered waste.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.56(g)	270.14(b)(7); 264.56(g)	FALSE	FALSE	FALSE	FALSE	FALSE	6.2.6	CAD000630921
SONGS	Section G. Contingency Plan	G-4g	All Facilities	G	Incompatible Waste. Until cleanup is complete, assure that incompatible waste is not stored together.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.56(h)(1)	270.14(b)(7); 264.56(h)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	6.2.7	CAD000630921
SONGS	Section G. Contingency Plan	G-4h	All Facilities	G	Post-Emergency Equipment Management. Decontamination is required for emergency equipment.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.56(h)(2)	270.14(b)(7); 264.56(h)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	6.2.8	CAD000630921

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SONGS	Section G. Contingency Plan	G-4h(1)	All Facilities	G	Notification of Federal, State and Local Authorities before Resuming Operations. Federal or state authorities must be notified within 15 days of occurrence.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.56(i)	270.14(b)(7); 264.56(i)	FALSE	FALSE	FALSE	FALSE	FALSE	6.2.9	CAD000630921
SONGS	Section G. Contingency Plan	G-4i	Facilities Handling Containers	G	Container Spills and Leakage. Specify procedures to be used when responding to container spills and leakage.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.52; 66264.71	270.14(b)(7); 264.52; 264.71	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 6-1	CAD000630921
SONGS	Section G. Contingency Plan	G-4j	Facilities with Tanks	G	Tank Spills and Leakage. For a tank or containment system from which there has been a leak or spill:			FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4j(1)	Facilities with Tanks	G	Stopping Waste Addition. Document that the owner/operator will immediately stop the flow of hazardous waste.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.196	270.14(b)(7); 264.196(a)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4j(2)	Facilities with Tanks	G	Removing Waste. Owner/operator will, within 24 hours after leak detected, remove waste and allow inspection and repair of the tank system to be performed.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.196	270.14(b)(7); 264.196(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4j(3)	Facilities with Tanks	G	Containment of Visible Releases. Specify that a visual inspection of a release will be conducted, demonstrate further mitigation of leak will be prevented, and visible contamination will be removed and disposed of properly.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.196	270.14(b)(7); 264.196(c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4j(4)	Facilities with Tanks	G	Notification Reports. Demonstrate that any release to the environment will be reported to regional administrator within 24 hours of detection.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.196	270.14(b)(7); 264.196(d)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4j(5)	Facilities with Tanks	G	Provisions of Secondary Containment, Repair, or Closure. Provision of secondary containment repair, otherwise closure is required.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.196	270.14(b)(7); 264.196(e)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section G. Contingency Plan	G-4k	Facilities with Surface Impoundments	G	Surface Impoundment Spills and Leakage. Surface impoundments must be removed from service when:	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.227	270.14(b)(7); 264.227	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4k(1)	Facilities with Surface Impoundments	G	Emergency Repairs. Describe procedures for removing surface impoundments from service.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.227	270.14(b)(7); 264.227	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4k(1)(a)	Facilities with Surface Impoundments	G	Stopping Waste Addition. Procedures for stopping waste addition to the impoundment.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.227(b)(1)	270.14(b)(7); 264.227(b)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4k(1)(b)	Facilities with Surface Impoundments	G	Containing Leaks. Procedures for containing leak.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.227(b)(2)	270.14(b)(7); 264.227(b)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4k(1)(c)	Facilities with Surface Impoundments	G	Stopping Leaks. Procedures for stopping leak.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.227(b)(3)	270.14(b)(7); 264.227(b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4k(1)(d)	Facilities with Surface Impoundments	G	Preventing Catastrophic Failure. Procedures to stop or prevent catastrophic failure.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.227(b)(4)	270.14(b)(7); 264.227(b)(4)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4k(1)(e)	Facilities with Surface Impoundments	G	Emptying the Impoundment. Procedures for emptying impoundment, if necessary.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.227(b)(5)	270.14(b)(7); 264.227(b)(5)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4k(2)	Facilities with Surface Impoundments	G	Certification. Procedures for recertifying a dike's structural integrity if impoundment is removed from service due to actual or imminent failure.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.226 (c); 66264.227(d)(1)	270.14(b)(7); 264.226 (c); 264.227(d)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4k(3)	Facilities with Surface Impoundments	G	Repairs as a Result of Sudden Drop. Procedures to follow if impoundment is removed from service due to sudden drop in liquid level of the following:	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.227(d)(2)	270.14(b)(7); 264.227(d)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section G. Contingency Plan	G-4k(3)(a)	Facilities with Surface Impoundments	G	Existing Portions of Surface Impoundment. Installation of liner for any existing portion of impoundment.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.227(d)(2)(A)	270.14(b)(7); 264.227(d)(2)(i)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4k(3)(b)	Facilities with Surface Impoundments	G	Other Portions of the Surface Impoundment. Certification by qualified engineer for other than existing portions of the impoundment.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.227(d)(2)(B)	270.14(b)(7); 264.227(d)(2)(ii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4l	Facilities with Containment Buildings	G	Containment Building Leaks. Through active life of building if owner/operator detects condition that could lead to release of hazardous waste.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.1101(c)(3)	270.14(b)(7); 264.1101(c)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4l(1)	Facilities with Containment Buildings	G	Repair of Containment Building. Within 7 days of detection, owner/operator must contact regional administrator. Enter record of discovery, remove contaminated portion of building from service, determine repair steps, and establish schedule for repair.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.1101(c)(3)	270.14(b)(7); 264.1101(c)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4l(2)	Facilities with Containment Buildings	G	Certification Following Repair. Upon completion of repairs owner/operator must notify regional administrator.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.1101(c)(3)	270.14(b)(7); 264.1101(c)(3)(iii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4m	Facilities with Drip Pads	G	Drip Pad Spills and Leakage. Throughout the active life of the drip pad, if a condition is detected that may have or has caused a release of hazardous waste, it must be repaired within a reasonably prompt period of time.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.573(m)	270.14(b)(7); 264.573(m)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4m(1)	Facilities with Drip Pads	G	Stopping Waste Addition. Upon detection of leakage in the leak detection system, immediately remove the affected portion of the drip pad from service.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.573(m)(1)(B)	270.14(b)(7); 264.573(m)(1)(ii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section G. Contingency Plan	G-4m(2)	Facilities with Drip Pads	G	Determine Appropriate Cleanup and Repair. Establish a schedule for accomplishing the repairs.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.573(m)(1)(C)	270.14(b)(7); 264.573(m)(1)(iii)	FALSE	FALSE	FALSE	FALSE	FALSE	**Enter location in Application**	CAD000630921

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SONGS	Section G. Contingency Plan	G-4m(3)	Facilities with Drip Pads	G	Notification. Within 24 hours after discovery of the condition, notify the Regional Administrator or state director. Within 10 working days, provide written notice and a description of the repairs to be made to the drip pad.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.573(m)(1)(D)	270.14(b)(7); 264.573(m)(1)(iv)	FALSE	FALSE	FALSE	FALSE	FALSE	**Enter location in Application**	CAD000630921
SONGS	Section G. Contingency Plan	G-4m(4)	Facilities with Drip Pads	G	Certification. Upon completing all repairs and clean up, provide certification signed by an independent, qualified registered PE.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.573(m)(3)	270.14(b)(7); 264.573(m)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	**Enter location in Application**	CAD000630921
SONGS	Section G. Contingency Plan	G-5	All Facilities	G	Emergency Equipment	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.52(e)	270.14(b)(7); 264.52(e)	FALSE	FALSE	FALSE	FALSE	FALSE	6.4	CAD000630921
SONGS	Section G. Contingency Plan	G-6	All Facilities	G	Arrangements with Local Authorities. Police and fire departments, hospitals, and emergency response teams must be notified by owner/operator. Document refusal to enter into a coordination agreement.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.37; 66264.52(c)	270.14(b)(7); 264.37; 264.52(c)	FALSE	FALSE	FALSE	FALSE	FALSE	6.5	CAD000630921
SONGS	Section G. Contingency Plan	G-7	All Facilities	G	Evacuation Plan for Facility Personnel. Evacuation plans must include evacuation signals and primary and alternate evacuation routes.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.52(f)	270.14(b)(7); 264.52(f)	FALSE	FALSE	FALSE	FALSE	FALSE	6.3	CAD000630921
SONGS	Section G. Contingency Plan	G-8	All Facilities	G	Required Report Procedures for Recordkeeping and Reporting to Federal Authority. Owner/operator must note on operation record the time, date and details of incidents which require implementation of contingency plan.	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.56(j)	270.14(b)(7); 264.56(j)	FALSE	FALSE	FALSE	FALSE	FALSE	6.2.11	CAD000630921
SONGS	Section G. Contingency Plan	G-9	All Facilities	G	Location and Distribution of Contingency Plan. Copy of contingency plan must be maintained at facility and submitted to	California Code of Regulations, title 22, section 66270.14(b)(7); 66264.53	270.14(b)(7); 264.53	FALSE	FALSE	FALSE	FALSE	FALSE	6.5.2	CAD000630921

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SONGS	Section H. Personnel Training	H-1	All Facilities	H	Outline of Introductory and Continuing Training Programs. Facility personnel must successfully complete classroom or on-the-job training which will allow them to responsibly perform in their positions.	California Code of Regulations, title 22, section 66270.14(b)(12); 66264.16(a)(1)	270.14(b)(12); 264.16(a)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	7.1	CAD000630921
SONGS	Section H. Personnel Training	H-1a	All Facilities	H	Job Title/Job Description. Owner or operator must maintain records of job titles, names of employees, job descriptions, and types and amounts of training given to employees.	California Code of Regulations, title 22, section 66270.14(b)(12); 66264.16(d)1), (d)(2)	270.14(b)(12); 264.16(d)1),(d)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	7.1	CAD000630921
SONGS	Section H. Personnel Training	H-1b	All Facilities	H	Description of How Training will be Designed to Meet Actual Job Tasks. Training must be conducted by a qualified person; there must also be an annual review of the training.	California Code of Regulations, title 22, section 66270.14(b)(12); 66264.16(c), (d)(3)	270.14(b)(12); 264.16(c),(d)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	7.1	CAD000630921
SONGS	Section H. Personnel Training	H-1c	All Facilities	H	Training Director. Program must be directed by person trained in hazardous waste procedures.	California Code of Regulations, title 22, section 66270.14(b)(12); 66264.16(a)(2)	270.14(b)(12); 264.16(a)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	7.3	CAD000630921
SONGS	Section H. Personnel Training	H-1d	All Facilities	H	Relevance of Training to Job Position. Training must include instruction on hazardous waste procedures relevant to each employee's position.	California Code of Regulations, title 22, section 66270.14(b)(12); 66264.16(a)(2)	270.14(b)(12); 264.16(a)(2)	FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	Section H. Personnel Training	H-1e	All Facilities	H	Training for Emergency Response. Personnel must minimally be familiar with emergency procedures, emergency equipment, and emergency systems.	California Code of Regulations, title 22, section 66270.14(b)(12); 66264.16(a)(3)	270.14(b)(12); 264.16(a)(3)	FALSE	FALSE	FALSE	FALSE	FALSE		CAD000630921
SONGS	Section H. Personnel Training	H-2	All Facilities	H	Maintenance of Training Records/Copy of Personnel Training Documents. Training records on current personnel must be kept until closure of facility. Training must be completed within 6 months after date of employment.	California Code of Regulations, title 22, section 66270.14(b)(12); 66264.16(b),(d) (4),(e)	270.14(b)(12); 264.16(b),(d)(4),(e)	FALSE	FALSE	FALSE	FALSE	FALSE	7.2	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1	Closure and Postclosure	I	Closure Plans	California Code of Regulations, title 22, section 66270.14(b)(13)	270.14(b)(13)	FALSE	FALSE	FALSE	FALSE	FALSE	8.0	CAD000630921

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SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1a	Closure and Postclosure	I	Closure Performance Standard. Describe how closure: minimizes the need for further maintenance; controls, minimizes, or eliminates the post-closure escape of hazardous waste, hazardous constituents, leachate, contaminated run-off, or hazardous waste decomposition products to the ground or surface waters or to the atmosphere; and complies with the closure requirements of Chapter 14, Article 7 and unit-specific closure requirements.	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.111	270.14(b)(13); 264.111	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 8-1	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1b	Closure and Postclosure	I	Time and Activities Required for Partial Closure and Final Closure Activities. Describe the time and all activities required for: partial closure, if applicable; final closure; and maximum extent of operation that will be active during life of facility.	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.112(b)(1) through 66264.112(b)(7)	270.14(b)(13); 264.112(b)(1) through 264.112(b)(7)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 8-1	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1c	Closure and Postclosure	I	Maximum Waste Inventory	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.112(b)(3)	270.14(b)(13); 264.112(b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 8-1	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1d	Closure and Postclosure	I	Schedule for Closure	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.112(b)(6)	270.14(b)(13); 264.112(b)(6)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 8-1	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1d(1)	Closure and Postclosure	I	Time Allowed for Closure	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.112(b)(2); 66264.113(a) and (b)	270.14(b)(13); 264.112(b)(2); 264.113(a) and (b)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 8-1	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1d(1)(a)	Closure and Postclosure	I	Extension for Closure Time	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.113(a) and (b)	270.14(b)(13); 264.113(a) and (b)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 8-1	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e	Closure and Postclosure	I	Closure Procedures	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.112; 66264.114	270.14(b)(13); 264.112; 264.114	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 8-1	CAD000630921

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SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(1)	Closure and Postclosure	I	Inventory Removal. Discuss methods for removing, transporting, treating, storing, or disposing of all hazardous wastes and identify the type(s) of off-site hazardous waste management units to be used.	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.112(b)(3)	270.14(b)(13); 264.112(b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 8-1	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(10)	Closure and Postclosure	I	Closure of Land Treatment Facilities	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.280(a); 66270.20(f)	270.14(b)(13); 264.280(a); 270.20(f)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(10)(a)	Closure and Postclosure	I	Continuance of Treatment	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.280(a)(1) through (7)	270.14(b)(13); 264.280(a)(1) through (7)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(10)(b)	Closure and Postclosure	I	Vegetative Cover	California Code of Regulations, title 22, section 66270.14(b)(13); 66270.20(f); 66264.280(a)(8)	270.14(b)(13); 270.20(f); 264.280(a)(8)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(11)	Closure and Postclosure	I	Closure of Miscellaneous Units	California Code of Regulations, title 22, section 66270.14(b)(13); 66270.23(a)(2); 66264.601	270.14(b)(13); 270.23(a)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(12)	Closure and Postclosure	I	Closure of Boilers and Industrial Furnaces. Describe how, at closure, all hazardous waste and hazardous waste residues (including, but not limited to, ash, scrubber waters, and scrubber sludges) will be removed from the BIF unit, associated ductwork, piping, air pollution control equipment, sumps and any other structures or operating equipment such as pumps, valves, etc., that have come into contact with hazardous wastes. Alternatively, describe how the BIF and associated equipment will be dismantled and disposed of. If any wastes, waste residues, contaminated components, subsoils, structures or equipment remain after closure, provide plans for closing the BIF unit as a landfill and provide a post-closure care plan.	California Code of Regulations, title 22, section 66270.14(b)(13); 66266.102(a)(2)(G)	270.14(b)(13); 266.102(a)(2)(viii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(13)	Closure and Postclosure	I	Closure of Containment Buildings. Show that at closure all hazardous waste, hazardous waste residues, contaminated containment system, contaminated subsoils, and all structures and equipment contaminated with waste and leachate will be removed. If any wastes, waste residues, contaminated components, subsoils, structures or equipment remain after closure, provide plans for closing the containment building as a landfill and provide a post-closure care plan.	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.1102	270.14(b)(13); 264.1102	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(2)	Closure and Postclosure	I	Disposal or Decontamination of Equipment, Structure, and Soils. Provide a detailed description of the steps needed to decontaminate or dispose of all facility equipment and structures.	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.112(b)(4); 66264.114	270.14(b)(13); 264.112(b)(4); 264.114	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 8-1	CAD000630921

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SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(3)	Closure and Postclosure	I	Closure of Disposal Units/Contingent Closures	California Code of Regulations, title 22, section 66270.14(b)(13)	270.14(b)(13)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(3)(a)	Closure and Postclosure	I	Disposal Impoundments	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.228(a)(2)	270.14(b)(13); 264.228(a)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(3)(a)(i)	Closure and Postclosure	I	Elimination of Liquids	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.228(a)(2)(A)	270.14(b)(13)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(3)(a)(ii)	Closure and Postclosure	I	Waste Stabilization	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.228(a)(2)(B)	270.14(b)(13); 264.228(a)(2)(ii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(3)(b)	Closure and Postclosure	I	Cover Design	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.228(a)(2)(C); 66264.310 (a)	270.14(b)(13); 264.228(a)(2)(iii); 264.310(a)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(3)(c)	Closure and Postclosure	I	Minimization of Liquid Migration. Draft RCRA Guidance Document entitled Landfill (Design--Liner Systems and Final Cover (1982), suggests the following design for landfill cover systems (from top to bottom): a vegetated top cover, with a minimum of 24 inches of topsoil; a middle drainage layer (at least one foot thick with a saturated conductivity of not less than 1 x 10-3 cm/sec) overlain by a geotextile filter fabric or graded granular filter; and a low permeability bottom layer consisting of two components: an upper component of at least a 20 mil synthetic membrane protected above and below by at least six inches of bedding material, a lower component of at least 24 inches of low permeability (maximum hydraulic conductivity of 1 x 10-7 cm/sec) soil emplaced in lifts not exceeding six inches. For cover designs different than EPA-recommended designs, provide engineering calculations showing the proposed cover will provide long-term minimization of	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.228(a)(2)(C)1; 66264.310(a)(1)	270.14(b)(13); 264.228(a)(2)(iii)(A); 264.310(a)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(3)(d)	Closure and Postclosure	I	Maintenance Needs	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.228(a)(2)(C)2; 66264.310(a)(2)	270.14(b)(13); 264.228(a)(2)(iii)(B); 264.310(a)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(3)(e)	Closure and Postclosure	I	Drainage and Erosion. The following information should be provided: data demonstrating that the proposed final slopes will not cause significant cover erosion; description of drainage materials and their permeability; engineering calculations demonstrating free drainage of precipitation off of and out of the cover; and estimation of the potential for drainage-layer clogging.	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.228(a)(2)(C)3; 66264.310(a)(3)	270.14(b)(13); 264.228(a)(2)(iii)(C); 264.310(a)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(3)(f)	Closure and Postclosure	I	Settlement and Subsidence. Include the following information: potential foundation compression; potential soil liner compression; and potential waste consolidation and compression resulting from waste dewatering, biological oxidation and chemical conversion of solids to liquids.	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.228(a)(2)(C)4; 66264.310(a)(4)	270.14(b)(13); 264.228(a)(2)(iii)(D); 264.310(a)(4)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(3)(g)	Closure and Postclosure	I	Cover Permeability	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.228(a)(2)(C)5; 66264.310(a)(6)	270.14(b)(13); 264.228(a)(2)(iii)(E); 264.310(a)(5)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(3)(h)	Closure and Postclosure	I	Freeze/Thaw Effects. Identity the average depth of frost penetration and describe the effects of freeze/thaw cycles on the cover.	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.310(a)	270.14(b)(13); 264.228(a)(2)(iii); 264.310(a)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(4)	Closure and Postclosure	I	Closure of Containers. Address the following: hazardous waste removal and disposal; container decontamination and disposal; site decontamination and disposal including linings, soil, and washes; maximum inventory.	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.178; 66264.112(b)(3)	270.14(b)(13); 264.178; 264.112(b)(3); 270.14(b)(13	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 8-1	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(5)	Closure and Postclosure	I	Closure of Tanks. The description should address the following: waste removal from tanks and equipment; decontamination of all components; verification of decontamination; disposal of wastes and residues; and maximum inventory.	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.197	270.14(b)(13); 264.197; 264.112(b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(6)	Closure and Postclosure	I	Closure of Waste Piles. The description must address the following: procedure and criteria for determining whether or not decontamination has been successful; and sampling and analytical techniques.	California Code of Regulations, title 22, section 66270.14(b)(13); 66270.18(h); 66264.258	270.14(b)(13); 270.18(h); 264.258	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(7)	Closure and Postclosure	I	Closure of Surface Impoundments. Surface impoundments without liners or with liners that do not meet the requirements must also provide contingent plans for closure in place and a contingent post-closure plan, except for impoundments requesting a liner exemption in accordance with D-4b.	California Code of Regulations, title 22, section 66270.14(b)(13); 66270.17(f); 66264.228(a)(1),(2), and (b)	270.14(b)(13); 270.17(f); 264.228(a)(1),(2), and (b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(8)	Closure and Postclosure	I	Closure of Incinerators. Describe how, at closure, all hazardous waste and hazardous waste residues (including, but not limited to, ash, scrubber waters, and scrubber sludges) will be removed from the incinerator, associated ductwork, piping, air pollution control equipment, sumps, and any other structures or operating equipment such as pumps, valves, etc., that have come into contact with the hazardous waste. Alternatively, describe how the incinerator and associated units and equipment will be dismantled and disposed of as a hazardous waste.	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.351	270.14(b)(13); 264.351	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-1e(9)	Closure and Postclosure	I	Closure of Landfills. Provide detailed plans and engineering report that describes the final cover components in detail. Cover installation and construction quality assurance procedures should be thoroughly described.	California Code of Regulations, title 22, section 66270.14(b)(13); 66270.21(e); 66264.310(a)	270.14(b)(13); 270.21(e); 264.310(a)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-2	Closure and Postclosure	I	Post-Closure Plans	California Code of Regulations, title 22, section 66270.14(b)(13)	270.14(b)(13)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-2a	Closure and Postclosure	I	Inspection Plan. Rationale for determining the length of time between inspections should be provided.	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.118(a); 66264.197(b); 66264.197(c)(2); 66264.226(d)(2); 66264.228(b); 66264.228(c)(1)(B); 66264.258(b); 66264.258 (c)(1)(B); 66264.303(c); 66264.310(b)	270.14(b)(13); 264.118(a); 264.197(b); 264.197(c)(2); 264.226(d)(2); 264.228(b); 264.228(c)(1)(ii); 264.258(b); 264.258 (c)(1)(ii); 264.303(c); 264.310(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-2b	Closure and Postclosure	I	Monitoring Plan.	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.118(b)(1); 66264.197(b); 66264.197(c)(2); 66264.226(d)(2); 66264.228(b); 66264.228(c)(1)(B); 66264.258(b); 66264.258 (c)(1)(B); 66264.303(c); 66264.310(b)	270.14(b)(13); 264.118(b)(1); 264.197(b); 264.197(c)(2); 264.226(d)(2); 264.228(b); 264.228(c)(1)(ii); 264.258(b); 264.258 (c)(1)(ii); 264.303(c); 264.310(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-2c	Closure and Postclosure	I	Maintenance Plan. Describe the preventative and corrective maintenance procedures, equipment procedures, equipment requirements and material needs.	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.118(b)(2); 66264.197(b); 66264.197(c)(2); 66264.228(b); 66264.228(c)(1)(B); 66264.258(b); 66264.258(c)(1)(B); 66264.310(b)	270.14(b)(13); 264.118(b)(2); 264.197(b); 264.197(c)(2); 264.228(b); 264.228(c)(1)(ii); 264.258(b); 264.258(c)(1)(ii); 264.310(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-2d	Closure and Postclosure	I	Land Treatment. Describe the operation, inspection, and maintenance programs to be used at the closed facility.	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.280(c)	270.14(b)(13); 264.280(c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-2e	Closure and Postclosure	I	Post-Closure Care for Miscellaneous Units	California Code of Regulations, title 22, section 66270.14(b)(13); 66270.23(a)(3); 66264.603	270.14(b)(13); 270.23(a)(3); 264.603	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-2f	Closure and Postclosure	I	Post-Closure Security. Demonstrate that for property where hazardous wastes remain after partial or final closure, post-closure use must never be allowed to disturb the integrity of the final cover, liner(s), or any other components of the containment system, or the function of the facility's monitoring system.	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.117(b) and (c)	270.14(b)(13); 264.117(b) and (c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-2g	Closure and Postclosure	I	Post-Closure Contact	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.118(b)(3)	270.14(b)(13); 264.118(b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-3	Closure and Postclosure	I	Notices Required for Disposal Facilities	California Code of Regulations, title 22, section 66270.14(b)(13)	270.14(b)(13)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-3a	Closure and Postclosure	I	Certification of Closure	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.115; 66264.280(b)	270.14(b)(13); 264.115; 264.280	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 8-1	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-3b	Closure and Postclosure	I	Survey Plat	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.116	270.14(b)(13); 264.116	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 8-1	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-3c	Closure and Postclosure	I	Post-Closure Certification	California Code of Regulations, title 22, section 66270.14(b)(13); 66264.120	270.14(b)(13); 264.120	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 8-1	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-3d	Closure and Postclosure	I	Post-Closure Notices	California Code of Regulations, title 22, section 66270.14(b)(13); 66270.14(b)(14); 66264.119	270.14(b)(13); 270.14(b)(14); 264.119	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 8-1	CAD000630921

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SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-4	Closure and Postclosure	I	Closure Cost Estimate. Estimate must equal final cost estimate. Estimate must be based on third party closing facility and may use on-site disposal if capacity will exist over life of facility. Estimate must be adjusted for annual inflation as stated in 66264.142(b). Estimates may not assume zero cost for hazardous waste handling, and may not incorporate salvage value, facility structures/equipment, land, or other facility assets as offsets.	California Code of Regulations, title 22, section 66270.14(b)(15); 66264.142	270.14(b)(15); 264.142	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 8-1	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-5	Closure and Postclosure	I	Financial Assurance for Closure	California Code of Regulations, title 22, section 66270.14(b)(15); 66264.143	270.14(b)(15); 264.143; 264.151	FALSE	FALSE	FALSE	FALSE	FALSE	Attachment 8-2	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-5a	Closure and Postclosure	I	Closure Trust Fund. Provide copy of fund agreement.	California Code of Regulations, title 22, section 66270.14(b)(15); 66264.143(a)	270.14(b)(15); 264.143(a); 264.151(a)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-5b	Closure and Postclosure	I	Surety Bond	California Code of Regulations, title 22, section 66270.14(b)(15); 66264.143(b), (c)	270.14(b)(15); 264.143(b), (c); 264.151 (b), (c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-5b(1)	Closure and Postclosure	I	Surety Bond Guaranteeing Payment into a Closure Trust Fund. Must provide bond or standby trust agreement. Bond must guarantee owner/operator will fund standby trust fund or provide financial assurance equal to penal sum.	California Code of Regulations, title 22, section 66270.14(b)(15); 66264.143(b)	270.14(b)(15); 264.143(b); 264.151(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-5b(2)	Closure and Postclosure	I	Surety Bond Guaranteeing Performance of Closure	California Code of Regulations, title 22, section 66270.14(b)(15); 66264.143(c)	270.14(b)(15); 264.143(c); 264.151(c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-5c	Closure and Postclosure	I	Closure Letter of Credit. Requires letter of credit for 1 year equal to amount of closure.	California Code of Regulations, title 22, section 66270.14(b)(15); 66264.143(d)	270.14(b)(15); 264.143(d); 264.151(d)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-5d	Closure and Postclosure	I	Closure Insurance	California Code of Regulations, title 22, section 66270.14(b)(15); 66264.143(e)	270.14(b)(15); 264.143(e); 264.151(e)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-5e	Closure and Postclosure	I	Financial Test and Corporate Guarantee for Closure. Signed letter by owner/operator or chief financial officer as specified in 66264.151(f),(h) of applicant financial statement. If a parent corporation is guaranteeing closure care, corporate guarantee must accompany.	California Code of Regulations, title 22, section 66270.14(b)(15); 66264.143(f)	270.14(b)(15); 264.143(f); 264.151(f),(h)	FALSE	FALSE	FALSE	FALSE	FALSE	8.2 Attachment 8-2	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-5f	Closure and Postclosure	I	Alternative Financial Mechanism. Financial assurance instruments must meet requirements stated in 66264.143 (a), (b), (c), (d) or (e) that include trust funds, surety bonds, letter of credit, and insurance, respectively.	California Code of Regulations, title 22, section 66270.14(b)(15); 66264.143(g)	270.14(b)(15); 264.143(g)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-5g	Closure and Postclosure	I	Use of Multiple Financial Mechanism for Multiple Facilities. Provide financial assurance mechanism showing amount of funds assured.	California Code of Regulations, title 22, section 66270.14(b)(15); 66264.143(h), (i)	270.14(b)(15); 264.143(h)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-6	Closure and Postclosure	I	Post-Closure Cost Estimate. Estimate must be based on third party closing facility and may use on-site disposal if capacity will exist over life of facility. Estimate must be adjusted for annual inflation as stated in 66264.142(b).	California Code of Regulations, title 22, section 66270.14(b)(16); 66264.144	270.14(b)(16); 264.144	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-7	Closure and Postclosure	I	Financial Assurance Mechanism for Post Closure Care	California Code of Regulations, title 22, section 66270.14(b)(16); 66264.145	270.14(b)(16); 264.145; 264.151	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-7a	Closure and Postclosure	I	Post-Closure Trust Fund	California Code of Regulations, title 22, section 66270.14(b)(16); 66264.145(a)	270.14(b)(16); 264.145(a); 264.151(a)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-7b	Closure and Postclosure	I	Surety Bond. 66264.145(b),(c) spells out requests for owner/ operator for adjusting estimates, inflation, and reporting to regional administrator.	California Code of Regulations, title 22, section 66270.14(b)(16); 66264.145(b),(c)	270.14(b)(16); 264.145(b),(c); 264.151(b),(c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-7b(1)	Closure and Postclosure	I	Surety Bond Guaranteeing Payment into a Post-Closure Trust Fund. Must provide bond or standby trust agreement before beginning final closure of the facility. Bond must guarantee owner/operator will fund a standby trust fund or provide financial assurance equal to penal sum.	California Code of Regulations, title 22, section 66270.14(b)(16); 66264.145(b)	270.14(b)(16); 264.145(b); 264.151(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-7b(2)	Closure and Postclosure	I	Surety Bond Guaranteeing Performance of Post- Closure	California Code of Regulations, title 22, section 66270.14(b)(16); 66264.145(c)	270.14(b)(16); 264.145(c); 264.151(c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-7c	Closure and Postclosure	I	Post-Closure Letter of Credit. Requires letter of credit for 1 year equal to amount of post-closure cost.	California Code of Regulations, title 22, section 66270.14(b)(16); 66264.145(d)	270.14(b)(16); 264.145(d); 264.151(d)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-7d	Closure and Postclosure	I	Post-Closure Insurance	California Code of Regulations, title 22, section 66270.14(b)(16); 66264.145(e); 66264.151(e)	270.14(b)(16); 264.145(e); 264.151(e)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-7e	Closure and Postclosure	I	Financial Test and Corporate Guarantee for Post-Closure Care	California Code of Regulations, title 22, section 66270.14(b)(16); 66264.145(f)	270.14(b)(16); 264.145(f); 264.151(f),(h)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-7f	Closure and Postclosure	I	Alternative Financial Mechanism for Postclosure Care. Provide copy of financial assurance mechanisms. Combined financial assurance must be at least equal to post-closure cost estimate.	California Code of Regulations, title 22, section 66270.14(b)(16); 66264.145(g)	270.14(b)(16); 264.145(g)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-7g	Closure and Postclosure	I	Use of Multiple Financial Mechanism per facility. Provide copy of financial assurance mechanisms for more than one facility. Amount must be no less than sum of funds that would be available if separate mechanism had been established and maintained for each facility. NOTE: Use subsection 66264.145(i) for a financial mechanism for multiple facilities for postclosure care.	California Code of Regulations, title 22, section 66270.14(b)(16); 66264.145(h)	270.14(b)(16); 264.145(h)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-8	Closure and Postclosure	I	Liability Requirements	California Code of Regulations, title 22, section 66270.14(b)(17); 66264.147	270.14(b)(17); 264.147	FALSE	FALSE	FALSE	FALSE	FALSE	8.3	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-8a	Closure and Postclosure	I	Coverage for Sudden Accidental Occurrences. Coverage must be maintained for sudden accidental occurrences in the amount of $1 million per occurrence with an annual agreement of at least $2 million.	California Code of Regulations, title 22, section 66270.14(b)(17); 66264.147(a)	270.14(b)(17); 264.147(a)	FALSE	FALSE	FALSE	FALSE	FALSE	8.3 Attachment 8-2	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-8a(1)	Closure and Postclosure	I	Endorsement of Certification	California Code of Regulations, title 22, section 66270.14(b)(17); 66264.147(a)(1)	270.14(b)(17); 264.147(a)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-8a(2)	Closure and Postclosure	I	Financial Test and Corporate Guarantee for Liability Coverage	California Code of Regulations, title 22, section 66270.14(b)(17); 66264.147(a)(2),(f),(g)	270.14(b)(17); 264.147(a)(2),(f),(g); 264.151(f),(g)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-8a(3)	Closure and Postclosure	I	Use of Multiple Financial Mechanism. Submit items demonstrating liability coverage specified in I-8a(1) and I-8a(2). Amount of coverage must total at least minimum amount required by 66264.147(a).	California Code of Regulations, title 22, section 66270.14(b)(17); 66264.147(a)(3)	270.14(b)(17); 264.147(a)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-8b	Closure and Postclosure	I	Coverage for Nonsudden Accidental Occurrences. For high risk storage facilities, surface impoundments, land disposal, land treatment facilities, liability coverage must be maintained in the amount of at least $3 million per occurrence. Annual aggregate at least $6 million.	California Code of Regulations, title 22, section 66270.14(b)(17); 66264.147(b)	270.14(b)(17); 264.147(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-8b(1)	Closure and Postclosure	I	Endorsement or Certification. Submit signed duplicate original of Hazardous Waste Facility Liability Endorsement.	California Code of Regulations, title 22, section 66270.14(b)(17); 66264.147(b)(1)	270.14(b)(17); 264.147(b)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-8b(2)	Closure and Postclosure	I	Financial Test or Corporate Guarantee for Liability Coverage	California Code of Regulations, title 22, section 66270.14(b)(17); 66264.147(b)(2)	270.14(b)(17); 264.147(b)(2); 264.151(f),(g)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-8b(3)	Closure and Postclosure	I	Use of Multiple Insurance Mechanism. Submit items demonstrating liability coverage specified in I-8a(1) and I-8a(2). Amount of coverage must total at least minimum amount required by 66264.147(b).	California Code of Regulations, title 22, section 66270.14(b)(17); 66264.147(b)(3)	270.14(b)(17); 264.147(b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-8c	Closure and Postclosure	I	Requests for Variance. Request for adjusted level of required liability must be supported by information which demonstrates 66264.147(a) or (b) are not consistent with degree and duration of risk associated with treatment, storage, or disposal at facility or group of facilities.	California Code of Regulations, title 22, section 66270.14(b)(17); 66264.147(c)	270.14(b)(17); 264.147(c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-9	Closure and Postclosure	I	Use of State Required Mechanisms	California Code of Regulations, title 22, section 66270.14(b)(18)	270.14(b)(18)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-9a	Closure and Postclosure	I	Use of State Required Mechanisms. When state has regulations equivalent or greater liability requirements for financial assurance for closure post-closure submit copy of state-required financial mechanism.	California Code of Regulations, title 22, section 66270.14(b)(18); 66264.149	270.14(b)(18); 264.149	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section I. Closure & Postclosure Financial Assurance Requirements	I-9b	Closure and Postclosure	I	State Assumption of Responsibility. If state assumes legal responsibility for compliance with closure, post-closure, or liability requirements there must be a letter submitted from state specifying assumption of responsibilities and amounts of liability. coverage assured by state....	California Code of Regulations, title 22, section 66270.14(b)(18)	270.14(b)(18); 264.150	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section J. Solid Waste Management Units	J-1	Facilities with Solid Waste Management Units	J	Characterize the Solid Waste Management Unit (SWMU). Describe methodology used to determine that no existing or former SWMUs exist at facility if applicable.	California Code of Regulations, title 22, section 66270.14(d)(1)	270.14(d)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	10.0 Attachment 10-1 Attachment 10-3	CAD000630921
SONGS	Section J. Solid Waste Management Units	J-2	Facilities with Solid Waste Management Units	J	Releases. Provide following information concerning releases: date of release; type, quantity, and nature of release; groundwater monitoring and other analytical data; physical evidence of stressed vegetation; historical evidence of releases; any state, local, or federal enforcement action that may address releases; any public citizen complaints that indicate a release; and any other information showing the migration of the release. Describe methodology used to determine that releases from SWMUs are not present.	California Code of Regulations, title 22, section 66270.14(d)(2)	270.14(d)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	10.1 Attachment 10-3	CAD000630921
SONGS	Section K. Other Federal Laws	K-1	Facilities with Other Federal Laws	K	Other Federal Laws. Demonstrate compliance with requirements of applicable Federal laws such as the Wild and Scenic Rivers Act, National Historic Preservation Act of 1966, Endangered Species Act, Coastal Zone Management Act, and Fish and Wildlife Coordination Act.	California Code of Regulations, title 22, section 66270.14(b)(19), 66270.3	270.14(b)(20), 270.3	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section L. Part B Certification	L-1	All Facilities	L	Part B Certification	California Code of Regulations, title 22, section 66270.11	270.11	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-1	All Facilities	M	Definition of Process Vent. A process vent is any open-ended pipe or stack that is vented to atmosphere either directly, through a vacuum-producing system, or through a tank.	California Code of Regulations, title 22, section 66260.10; 66270.14(a); 66264.1030	270.14(a); 264.1030; 264.1031	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-2	All Facilities	M	Applicability—Process Vents Associated with the Following Six Operations that Manage Hazardous Waste with Organic Concentrations of at Least 10 Parts per Million by Weight if these Operations are Conducted in; a Unit Subject to the Permitting Requirements of 270; a Unit (including a Hazardous Waste Recycling Unit) that is Not Exempt from Permitting Under 262.34(a) and is Located at a Hazardous Waste Management Facility Otherwise Subject to Permitting Requirements; and a Unit that is Exempt from Permitting Under 262.34(a). Concentrations should be determined by a time-weighted average annually or when waste or process changes.	California Code of Regulations, title 22, section 66260.10; 66270.14(a); 66264.1030(b)	270.14(a); 264.1030(b); 264.1031	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-2a	All Facilities	M	Distillation—a Batch or Continuous Operation Which Separates One or More Feed Stream(s) into Two or More Exit Streams, Each Exit Stream Having Component Concentrations Different from Those in the Feed Stream(s). Include process description.	California Code of Regulations, title 22, section 66260.10; 66270.24(b)(3); 66264.1030(b)	270.24(b)(3); 264.1030(b); 264.1031	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-2b	All Facilities	M	Fractionation—a Distillation Operation or Method Used to Separate a Mixture of Several Volatile Components of Different Boiling Points in Successive Stages. Include process description.	California Code of Regulations, title 22, section 66260.10; 66270.24(b)(3); 66264.1030(b)	270.24(b)(3); 264.1030(b); 264.1031	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-2c	All Facilities	M	Thin-Film Evaporation—a Distillation Operation that Employs a Heating Surface Consisting of a Large Diameter Tube that May be Either Straight or Tapered, Horizontal or Vertical. Include process description.	California Code of Regulations, title 22, section 66260.10; 66270.24(b)(3); 66264.1030(b)	270.24(b)(3); 264.1030(b); 264.1031	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-2d	All Facilities	M	Solvent Extraction—an Operation or Method of Separation in Which a Solid or Solution Contacts a Liquid Solvent (The Two Being Mutually Insoluble) to Preferentially Dissolve and Transfer One or More Components into the Solvent. Include process description.	California Code of Regulations, title 22, section 66260.10; 66270.24(b)(3); 66264.1030(b)	270.24(b)(3); 264.1030(b); 264.1031	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-2e	All Facilities	M	Air Stripping—a Desorption Operation Employed to Transfer One or More Volatile Components from a Liquid Mixture into a Gas (Air) Either with or Without the Application of Heat to the Liquid. Include process description.	California Code of Regulations, title 22, section 66260.10; 66270.24(b)(3); 66264.1030(b)	270.24(b)(3); 264.1030(b); 264.1031	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-2f	All Facilities	M	Stream Stripping—a Distillation Operation in Which Vaporization of the Volatile Constituents of a Liquid Mixture Takes Place by the Introduction of Steam Directly into the Charge. Include process description.	California Code of Regulations, title 22, section 66260.10; 66270.24(b)(3); 66264.1030(b)	270.24(b)(3); 264.1030(b); 264.1031	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-3	All Facilities	M	Reduce Total Organic Emission below 1.4 Kilogram per Hour (3 Pounds per Hour) and 2.8 Million Grams per Year (3.1 Tons per Year), or Engineering calculations or performance tests may be used to determine vent emissions and emissions reductions or total organic compound concentrations achieved by add-on control devices.	California Code of Regulations, title 22, section 66270.24(b); 66264.1032(a) (1),(c)	270.24(b); 264.1032(a) (1),(c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-3a	All Facilities	M	Reduce Total Organic Emissions of 95 Percent by Weight with the Use of a Control Device. Engineering calculations or performance tests may be used to determine vent emissions and emissions reductions or total organic compound concentrations achieved by add-on control devices.	California Code of Regulations, title 22, section 66270.24(b); 66264.1032(a) (2),(b)	270.24(b); 264.1032(a) (2),(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-3b	All Facilities	M	Reduce Emissions for Various Control Devices with Closed-vent Systems under the Following Operational Conditions: Closed-vent systems are optional devices, but shall comply with regulations if they are used.	California Code of Regulations, title 22, section 66270.24(b); 66264.1032(a - b); 66264.1033 (b - j)	270.24(b); 264.1032(a - b); 264.1033 (b - j)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-3b(1)	All Facilities	M	Control Device Involving Vapor Recovery (Condenser or Adsorber) Shall Recover at Least 95 Percent by Weight of the Organic Vapors. A less than 95 percent recovery is permissible if control devices meet emission limits set in 66264.1032(a)(1).	California Code of Regulations, title 22, section 66270.24(b); 66264.1032(a) (1),(b)	270.24(b); 264.1032(a) (1),(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-3b(2)	All Facilities	M	Enclosed Combustion Device (A Vapor Incinerator, Boiler, or Process Heater) Shall Recover at Least 95 Percent by Weight of Organic Emissions. The device shall achieve 20 parts per million by weight or 1/2 second residence time at 760 ⍰C.	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(c)	270.24(d); 264.1033(c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-3b(3)	All Facilities	M	A Flare Shall Operate under the Following Four Conditions: (1) No Visible Emissions, (2) a Flame Present at all Times, (3) an Acceptable Net Heating Value, and (4) Appropriate Exit Velocity.	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(d)	270.24(d); 264.1033(d)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-4	All Facilities	M	Inspection Readings Shall Be Conducted at Least Daily. Vent Stream Flow Information Shall be Provided at Least Hourly.	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(f) (1),(3)	270.24(d); 264.1033(f) (1),(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-4a	All Facilities	M	Continuous Monitoring for the Following Control Devices:	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(f)(2)	270.24(d); 264.1033(f)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-4a(1)	All Facilities	M	Thermal Vapor Incinerator (One Temperature Sensor). Sensor shall have accuracy of ± 1 percent ⍰C or ± 0.5 ⍰C, whichever is greater.	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(f)(2)(A)	270.24(d); 264.1033(f)(2)(i)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-4a(2)	All Facilities	M	Sensor shall have accuracy of ± 1 percent ⍰C or ± 0.5 ⍰C, whichever is greater.	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(f)(2)(A)	270.24(d); 264.1033(f)(2)(i)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-4a(3)	All Facilities	M	Flare (Heat Sensing Device)	California Code of Regulations, title 22, section 66264.1033(f)(2)(C)	264.1033(f)(2)(iii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-4a(4)	All Facilities	M	Boiler or Process Heater with Heater Input Capacity Equal or Greater than 44 Megawatts (Recorder Which Indicates Good Combustion Practices)	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(f)(2)(E)	270.24(d); 264.1033(f)(2)(v)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-4a(5)	All Facilities	M	Condenser (Device with Recorder to Measure the Concentration of Organic Compounds in the Condenser Exhaust Vent Stream or Temperature Monitoring Device Equipped with Recorder to Measure Temperature in the Condenser Exhaust Vent Stream). Sensor shall have accuracy of ± 1 percent ⍰C or ± 0.5 ⍰C, whichever is greater.	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(f)(2)(F)	270.24(d); 264.1033(f)(2)(vi)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-4a(6)	All Facilities	M	Carbon Adsoprtion System (Device to Measure Organic Vapors or a Recorder that Verifies Predetermined Regeneration Cycle).	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(f)(2)(G)	270.24(d); 264.1033(f)(2)(vii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-4b	All Facilities	M	Alternate Monitoring of Control Device. Describe measurement of applicable monitoring parameters.	California Code of Regulations, title 22, section 66270.24(c); 66264.1033(i)	270.24(c); 264.1033(i)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-4c	All Facilities	M	Inspection of the Following Control Devices:	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(g - h)	270.24(d); 264.1033(g - h)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-4c(1)	All Facilities	M	Regenerable Carbon Adsorption System. Carbon replacement schedule must be acceptable.	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(g)	270.24(d); 264.1033(g)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-4c(2)	All Facilities	M	Nonregenerable Carbon Adsoprtion System. Carbon shall be replaced when breakthrough is observed or on an acceptable schedule.	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(h)	270.24(d); 264.1033(h)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-5	All Facilities	M	Basic Design and Operation.			FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-5a	All Facilities	M	The Closed-Vent System Shall be Designed to Operate According to Either of the Following:	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(k)	270.24(d); 264.1033(k)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-5a(1)	All Facilities	M	With No Detectable Emissions. Emissions shall be less than 500 parts per million above background.	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(k)(1)	270.24(d); 264.1033(k)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-5a(2)	All Facilities	M	At a Pressure below Atmospheric Pressure. System shall be equipped with at least one pressure gauge or other measurement device that can be read from a readily accessible location to verify negative pressure is being maintained in system during operation.	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(k)(2)	270.24(d); 264.1033(k)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-5b	All Facilities	M	Owner/operator Shall Monitor and Inspect Each System.	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(l)	270.24(d); 264.1033(l)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-5c	All Facilities	M	Closed-Vent System Shall be Operated at all Times When Emissions May be Vented to Them.	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(m)	270.24(d); 264.1033(m)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-5d	All Facilities	M	Carbon Adsorption System Used to Control Air Pollutant Emissions. Owner/operator must document that all carbon that is a hazardous waste and removed from the control device is managed in one of these approved manners: 66264.1033(n)(1), (2), or (3).	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(n)	270.24(d); 264.1033(n)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-6	All Facilities	M	Any Components of a Closed-Vent System that are Designated as Unsafe to Monitor are Exempt from the Monitoring Requirements of 66264.1033(l)(1)(A)2. if Certain Conditions are Met. 66270.24 applies to system if its components are unsafe to monitor and it adheres to written plan that requires monitoring using the procedures in 66264.1033(l)(1)(B)2. as frequently as practicable during safe-to-monitor times.	California Code of Regulations, title 22, section 66270.24(d); 66264.1033(o)	270.24(d); 264.1033(o)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-7	All Facilities	M	Owner/operator Complies with Record Keeping Requirements. Depending on the type of control devices and closed vent systems used, various records must be maintained in the facility operating record.	California Code of Regulations, title 22, section 66270.24(d); 66264.1033; 66264.1035	270.24(d); 264.1033; 264.1035	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-7a	All Facilities	M	Semiannual Report is Submitted According to Subpart AA Requirements. A semiannual report is only required if a control device operates outside the design specifications.	California Code of Regulations, title 22, section 66270.14(a); 66264.1036	270.14(a); 264.1036	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-7b	All Facilities	M	Implementation Schedule is Provided. A schedule shall be provided when facilities cannot install a closed-vent system and control device to comply with Chapter 14 on date facility is subject to requirements.	California Code of Regulations, title 22, section 66270.24(a); 66264.1033(a)(2)	270.24(a); 264.1033(a)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section M. Article 27, Air Emission Standards For Process Vents (Subpart AA)	M-7c	All Facilities	M	Performance Test Plan is Provided. A performance test plan shall be provided where owner/operator applies for permission to use control device other than thermal vapor incinerator, catalytic vapor incinerator, flare, boiler, process heater, condenser, or carbon adsorption system, and chooses to use test data to determine organic removal efficiency achieved by control device.	California Code of Regulations, title 22, section 66270.24(c); 66264.1035(b)(3)	270.24(c); 264.1035(b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-1	All Facilities	N	Applicability. Except as otherwise specified, this subpart applies to equipment that contains or contacts hazardous waste with organic concentrations of at least 10 percent by weight that are managed in one of the following: if these operations are conducted in; a unit subject to the permitting requirements of chapter 20; a unit (including a hazardous waste recycling unit) that is not exempt from permitting under 66262.34(a) and is located at a hazardous waste management facility otherwise subject to permitting requirements; and a unit that is exempt from permitting under 66262.34(a) such as a 90-day tank or container.	California Code of Regulations, title 22, section 66270.14(a); 66270.25; 66264.1050(b),(d)	270.14(a); 270.25; 264.1050(b),(d)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-10	All Facilities	N	When Closed-Vent Systems and Control Devices are Used, they Must Comply with the Requirements in Article 27.	California Code of Regulations, title 22, section 66270.25(e); 66264.1033; 66264.1060	270.25(e); 264.1033; 264.1060	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-11	All Facilities	N	An Owner/Operator may Elect to Comply with this Alternative Monitoring Program. No greater than 2 percent of the valves are allowed to leak per monitoring period.	California Code of Regulations, title 22, section 66270.25(e); 66264.1061	270.25(e); 264.1061	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-12	All Facilities	N	An Owner/Operator may Elect to Comply with this Alternative Work Practice. Relief of monitoring frequency is allowed if less than 2 percent of the valves are leaking.	California Code of Regulations, title 22, section 66270.25(e); 66264.1062	270.25(e); 264.1062	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-13	All Facilities	N	Owner Complies with Recordkeeping Requirements. Depending on the type of requirement, various records must be maintained in the facility operating record.	California Code of Regulations, title 22, section 66270.25(a); 66264.1064	270.25(a); 264.1064	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-13a	All Facilities	N	Semiannual Report. A semiannual report is only required if leaks from equipment have gone unrepaired or a control device operates outside the design specifications.	California Code of Regulations, title 22, section 66270.25(a); 66264.1065	270.25(a); 264.1065	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-13b	All Facilities	N	Implementation Schedule. An implementation schedule shall be provided if facility cannot install closed-vent system and control device to comply with provisions of Chapter 14, Article 28, on the effective date that facility becomes subject to provisions of Chapter 14 and 15.	California Code of Regulations, title 22, section 66270.25(b)	270.25(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-13c	All Facilities	N	Performance Test Plan. A performance test plan shall be provided if the owner/operator applies for permission to use a control device for other than a thermal vapor incinerator, flare, boiler, process heater, condenser, or carbon adsorption system and chooses to use test data to determine the organic removal efficiency achieved by the control device.	California Code of Regulations, title 22, section 66270.25(c)	270.25(c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-1a	All Facilities	N	Definition of Equipment. Examples include: valve, pump, compressor, pressure relief device, sampling connection system, open-ended valve or line, or flange.	California Code of Regulations, title 22, section 66260.10; 66270.14(a); 66270.25; 66264.1051	270.14(a); 270.25; 264.1031; 264.1051	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-1b	All Facilities	N	Equipment in a Vacuum or Equipment that Contains or Contacts Hazardous Waste with an Organic Concentration of at Least 10 Percent by Weight for a Period of Less than 300 Hours per Calendar Year is Excluded from Requirements at 66264.1052 to 66264.1060. Equipment shall be identified in a log in facility's operating record as required by 66264.1064(g) in order to qualify for exclusion.	California Code of Regulations, title 22, section 66270.14(a); 66270.25; 66264.1050(f)	270.14(a); 270.25; 264.1050(f)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-2	All Facilities	N	Monthly Monitoring for Leaks.	California Code of Regulations, title 22, section 66270.25(d); 66264.1052(a)(1)	270.25(d); 264.1052(a)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-2a	All Facilities	N	Visual Inspection for Pump Seal Leakage on a Weekly Basis.	California Code of Regulations, title 22, section 66270.25(d); 66264.1052(a)(2)	270.25(d); 264.1052(a)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-2b	All Facilities	N	Leak Detection. Leak detected if: (1) leak detection instrument reads 10,000 parts per million (ppm) or greater, or (2) there are indications of liquid dripping from the pump seal.	California Code of Regulations, title 22, section 66270.25(d); 66264.1052(b); 66264.1063	270.25(d); 264.1052(b); 264.1063	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-2c	All Facilities	N	Leak Repair as Soon as Practicable. Repairs are to be made within 15 calendar days after detection. Repair extensions are allowed under conditions specified in 66264.1059.	California Code of Regulations, title 22, section 66270.25(d); 66264.1052(c); 66264.1059	270.25(d); 264.1052(c); 264.1059	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-2d	All Facilities	N	Specific Exceptions to these Standards. Exceptions to these standards are dual mechanical seal systems or no detectable emissions.	California Code of Regulations, title 22, section 66270.25(d); 66264.1052(d - f)	270.25(d); 264.1052(d - f)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-3	All Facilities	N	Barrier Fluid Pressure Greater than the Compressor Stuffing Box Pressure.	California Code of Regulations, title 22, section 66270.25(d); 66264.1053(b)(1)	270.25(d); 264.1053(b)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-3a	All Facilities	N	Barrier Fluid System Connected by a Closed-Vent System to a Control Device as Described in Articl 27.	California Code of Regulations, title 22, section 66270.25(d); 66264.1053(b)(2)	270.25(d); 264.1053(b)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-3b	All Facilities	N	No Detectable Atmospheric Emissions of Hazardous Contaminants from the Barrier System.	California Code of Regulations, title 22, section 66270.25(d); 66264.1053(b)(3)	270.25(d); 264.1053(b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-3c	All Facilities	N	Sensors Checked Daily or an Audible Alarm Checked Monthly.	California Code of Regulations, title 22, section 66270.25(d); 66264.1053(d - c)	270.25(d); 264.1053(d - c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-3d	All Facilities	N	Leak Detection. A leak is detected if sensor indicates failure of: (1) seal system, or (2) barrier fluid system.	California Code of Regulations, title 22, section 66270.25(d); 66264.1053(f)	270.25(d); 264.1053(f)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-3e	All Facilities	N	Leak Repair as Soon as Practicable. Repairs are to be made within 15 calendar days after detection. Repair extensions are allowed under conditions specified in 66264.1059.	California Code of Regulations, title 22, section 66270.25(d); 66264.1053(g) (1); 66264.1059	270.25(d); 264.1053(g) (1); 264.1059	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-3f	All Facilities	N	Specific Exceptions to these Standards. Exceptions to these standards are certain closed vent systems or no detectable emissions.	California Code of Regulations, title 22, section 66270.25(d); 66264.1053(h - i)	270.25(d); 264.1053(h - i)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-4	All Facilities	N	Except During Pressure Releases, No Pressure Relief Device Shall Release Detectable Emissions. Emissions shall be less than 500 ppm above background levels.	California Code of Regulations, title 22, section 66270.25(d); 66264.1054(a)	270.25(d); 264.1054(a)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-4a	All Facilities	N	As soon as practicable, but no later than 24 hrs after a Pressure Release, No Detectable Emissions Shall Emanate from Pressure Released Device. 40 CFR states within 5 Calendar Days after a Pressure Release, No Detectable Emissions shall Emanate from Pressure Released Device. Emissions shall be less than 500 ppm above background levels.	California Code of Regulations, title 22, section 66270.25(d); 66264.1054(b)	270.25(d); 264.1054(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-4b	All Facilities	N	Specific Exceptions to These Standards. Exceptions to these standards are certain closed vent systems.	California Code of Regulations, title 22, section 66270.25(d); 66264.1054(c)	270.25(d); 264.1054(c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-5	All Facilities	N	Each Sampling Connecting System Shall Be Equipped with a Closed-Purge, Closed Loop, or Closed-Vent System. Closed-Vent Systems and Control Devices are also Subject to 66264.1033. Each closed-purge, closed-loop, or closed-vent system shall either: (1) return purged process fluid directly to process line, (2) collect and recycle purged process liquid, or (3) be designed and operated to capture and transport all purged process fluid to a waste management unit or control device that satisfies applicable requirements.	California Code of Regulations, title 22, section 66270.25(d); 66264.1055 (a - b); 66264.1060	270.25(d); 264.1055 (a - b); 264.1060	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-5a	All Facilities	N	Exemption for Qualified Sampling Systems. In situ sampling systems and sampling systems without purges are exempt from requirements of 66264.1055(a),(b).	California Code of Regulations, title 22, section 66270.25(d); 66264.1055(c)	270.25(d); 264.1055(c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-6	All Facilities	N	Open-Ended Valve or Line. A double block or bleed system must comply with the open-ended valve or line requirements.	California Code of Regulations, title 22, section 66270.25(d); 66264.1056(a), (c)	270.25(d); 264.1056(a), (c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-6a	All Facilities	N	Second Valve. A second valve shall be operated such that primary valve shall be closed before second valve is opened.	California Code of Regulations, title 22, section 66270.25(d); 66264.1056(b)	270.25(d); 264.1056(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-7	All Facilities	N	Monitoring Schedule Based on Detection of Leaks and Predetermined Schedule. A reading of 10,000 ppm denotes a detected leak.	California Code of Regulations, title 22, section 66270.25(d); 66264.1057(a - e)	270.25(d); 264.1057(a - e)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-7a	All Facilities	N	Specific Exceptions to the Monitoring Schedule. Exceptions to schedule include unsafe-to-monitor valves, no detectable emissions, and difficult-to-monitor valves.	California Code of Regulations, title 22, section 66270.25(d); 66264.1052 (f - h); 66264.1061; 66264.1062	270.25(d); 264.0157 (f - h); 264.1061; 264.1062	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-8	All Facilities	N	Monitoring. Monitoring is required within 5 days after leak is found by sight, sound, smell, or other detection method.	California Code of Regulations, title 22, section 66270.25(d); 66264.1058(a); 66264.1063(b)	270.25(d); 264.1058(a); 264.1063(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-8a	All Facilities	N	Leak Detection. A leak is detected if a leak detection instrument reads 10,000 ppm or greater.	California Code of Regulations, title 22, section 66270.25(d); 66264.1058(b)	270.25(d); 264.1058(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-8b	All Facilities	N	Leak Repair as Soon as Practicable. Repairs are to be made within 15 calendar days after detection. The first attempt at repair shall be made no later than 5 calendar days after each leak is detected. Repair extensions are allowed under conditions specified in 66264.1059.	California Code of Regulations, title 22, section 66270.25(d); 66264.1058(c); 66264.1059	270.25(d); 264.1058(c); 264.1059	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-8c	All Facilities	N	Any Connector that is Inaccessible or is Ceramic or Ceramic-Lined is Exempt from the Monitoring Requirements of 66264.1058(a) and 66264.1064. Examples of ceramic-lined connectors include porcelain, glass, or glass-lined connectors.	California Code of Regulations, title 22, section 66270.25(d); 66264.1058(e)	270.25(d); 264.1058(e)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section N. Article 28, Air Emission Standards For Equipment Leaks (Subpart BB)	N-9	All Facilities	N	Specific Allowances for Delay of Repair for Various Types of Equipment.	California Code of Regulations, title 22, section 66270.25(d); 66264.1059	270.25(d); 264.1059	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-1	Facilities with Tanks, Surface Impoundments or Containers	O	Standards Apply to All Facilities That Treat, Store, or Dispose of Hazardous Waste in Tanks, Surface Impoundments, or Containers Subject to chapter 14, articles 9, 10 or 11, Except as Provided Otherwise. Exclusions from 66264.1080(a) are listed at 66264.1080(b) (e.g., a container that has a design capacity less than or equal to 0.1 cubic meters [m3]).	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1080 (a) - (d); 66265.1084(a)(2) - (a)(4)	270.14(a); 270.27; 264.1080 (a) - (d)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-10	Facilities with Container Level 1 Controls	O	Container Level 1. Owner/Operators Shall Install Covers and Closure Devices for the Container and Secure and Maintain Each Closure Device in Closed Position, Except as Specified. The closure device or cover may be opened for the purpose of adding or removing hazardous waste or for maintenance or to avoid unsafe conditions.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1086(c)(3), (4)	270.14(a); 270.27; 264.1086(c)(3), (4)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-10a	Facilities with Container Level 2 Controls	O	Container Level 2. Owner/Operator Shall Install All Covers and Closure Devices for the Container and Maintain and Secure Each Closure Device in Closed Position, Except as Specified. Transfer of hazardous waste in or out of container shall be conducted in such a manner as to minimize exposure to atmosphere, as practical. The closure device or cover may be opened for the purpose of adding or removing hazardous waste or for maintenance or to avoid unsafe conditions.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1086(d)(2), (3)	270.14(a); 270.27; 264.1086(d)(2), (3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-10b	Facilities with Container Level 3 Controls	O	Container Level 3. Owner/Operators Shall Operate the System in Accordance with 52.741, Appendix B; 66264.1087; and 66265.1081, as Needed	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1086(e)(3),(4)& (5)	270.14(a); 270.27; 264.1086(e)(3), (4), (5)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-11	Facilities with a Closed-Vent System	O	Standards Apply to Each Closed-Vent System and Control Device Used to Control Air Emissions under Chapter 14; Article 30	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1087(a)	270.14(a); 270.27; 264.1087(a)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-11a	Facilities with a Closed-Vent System	O	Closed-Vent Systems Shall:	California Code of Regulations, title 22, section 66270.27(a)(5); 66264.1087(b)	270.27(a)(5); 264.1087(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-11a(1)	Facilities with a Control Device	O	Route Gases, Vapors, and Fumes to Control Device	California Code of Regulations, title 22, section 66270.27(a); 66264.1087(b)(1)	270.27(a); 264.1087(b)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-11a(2)	Facilities with a Closed-Vent System	O	Be Designed and Operated in Accordance with 66264.1033(k). The Chapter 14, Article 27 standards for closed-vent systems must be satisfied.	California Code of Regulations, title 22, section 66270.27(a); 66264.1087(b)(2)	270.27(a); 264.1087(b)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-11a(3)	Facilities with a Closed-Vent System	O	Meet the Requirements for Bypass Devices, if Applicable. Each bypass device shall be equipped with either a flow indicator or a seal or locking device.	California Code of Regulations, title 22, section 66270.27(a); 66264.1087(b)(3)	270.27(a); 264.1087(b)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-12	Facilities with a Closed-Vent System	O	The Control Device Shall be One of the Following:	California Code of Regulations, title 22, section 66270.27(a)(5); 66264.1087(c)(1)	270.27(a)(5); 264.1087(c)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-12a	Facilities with a Closed-Vent System	O	A Control Device Designed and Operated to Reduce Total Organic Content on Inlet Vapor Stream Vented to the Control Device by at Least 95 Percent by Weight. Owner/operator shall demonstrate compliance using either performance test or design analysis, except as specified.	California Code of Regulations, title 22, section 66270.27(a)(5); 66264.1087(c)(1)(A)	270.27(a)(5); 264.1087(c)(1)(i)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-12a(1)	Enclosed Combustion Device	O	An Enclosed Combustion Device. Owner/operator shall demonstrate compliance using either performance test or design analysis, except as specified. Control device shall be designed and operated in accordance with 66264.1033(c).	California Code of Regulations, title 22, section 66270.27(a)(5); 66264.1087(c)(1)(B)	270.27(a)(5); 264.1087(c)(1)(ii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-12a(2)	Facilities with a Flare	O	A Flare. Owner/operator shall demonstrate compliance using either performance test or design analysis, except as specified.	California Code of Regulations, title 22, section 66270.27(a)(5); 66264.1087(c)(1)(C)	270.27(a)(5); 264.1087(c)(1)(iii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-12b	Facilities wiClosed-Vent System and Control Device	O	Each Closed-Vent System and Control Device Shall Comply with the Operating Requirements of 66264.1087(c)(2). Planned routine maintenance of control device shall not exceed 240 hours per year; system malfunctions shall be corrected as soon as practicable; and system shall be operated such that gases, vapors, or fumes are not actively vented to control device during planned maintenance or system malfunction, except as specified.	California Code of Regulations, title 22, section 66270.27(a)(5); 66264.1087(c)(2)	270.27(a)(5); 264.1087(c)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-12c	Facilities with a Carbon Adsorption System	O	A Carbon Adsorption System. Carbon replacement and removal shall follow prescribed requirements in 66264.1033(g), (h), and (n).	California Code of Regulations, title 22, section 66270.27(a)(5); 66264.1087(c)(3)	270.27(a)(5); 264.1087(c)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-12d	Facilities with a Control Device	O	Each Control Device Shall be Operated and Maintained in Accordance with 66264.1033(j), Except for Certain Devices Identified (e.g., Flare). 66264.1033(j) requires the owner/operator to prepare documentation describing the control device's operation and to identify the process parameter(s) that indicate its proper operation and maintenance.	California Code of Regulations, title 22, section 66270.27(a)(5); 66264.1087(c)(4)	270.27(a)(5); 264.1087(c)(4)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-12e	Facilities with a Control Device	O	The Owner/Operator Shall Demonstrate that a Control Device Achieves the Performance Requirements Using a Performance Test or Design Analysis, Except for Specific Devices Identified (e.g., flare). For performance test, owner/operator shall use the test specified at 66264.103(c). For design analysis, owner/operator shall use an analysis that meets requirements specified at 66264.1035(b)(4)(C).	California Code of Regulations, title 22, section 66270.27(a)(5); 66264.1087(c)(5)	270.27(a)(5); 264.1087(c)(5)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-12f	Facilities with a Control Device	O	If Design Analysis is Not Sufficient, then a Performance Test is Required	California Code of Regulations, title 22, section 66270.27(a)(5); 66264.1087(c)(6)	270.27(a)(5); 264.1087(c) (6)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-12h	Facilities with a Control Device	O	Inspect and Monitor the Control Device. Control devices shall be inspected and monitored at least once a day.	California Code of Regulations, title 22, section 66270.27(a)(5); 66264.1087(c)(7)	270.27(a)(5); 264.1087(c) (7)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-13	Facilities with Tanks, Surface Impoundments or Containers	O	Each Tank, Surface Impoundment and Container Shall be Inspected, Monitored, and Repaired in Accordance with the Chapter 14, Article 30 Requirements. Inspection, monitoring and repair requirements specific to each unit are located in the standards sections of the regulation 66264.1084 through 66264.1087. Owner/operator shall develop and implement written plan and schedule to perform inspections and monitoring required. The plan and schedule shall be incorporated into facility's inspection plan.	California Code of Regulations, title 22, section 66270.27; 66264.1088	270.27; 264.1088	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-14	Facilities with Tanks, Surface Impoundments or Containers	O	Each Owner/Operator Shall Comply with the Recordkeeping Requirements Specified at 66264.1089. Except as specified, records shall be maintained in facility's operating record for a minimum of 3 years. Various records are required depending on the type of unit and control device.	California Code of Regulations, title 22, section 66270.27; 66264.1089	270.27; 264.1089	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-14a	Facilities with Tanks, Surface Impoundments or Containers	O	Each of the Following Owner/Operators Shall Comply with the Reporting Requirements at 66264.1090:	California Code of Regulations, title 22, section 66270.27; 66264.1090	270.27; 264.1090	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-14a(1)	Facilities with Tanks, Surface Impoundments or Containers	O	Each Owner/Operator Managing Hazardous Waste in a Tank, Surface Impoundment, or Container Exempted from Using Air Emission Controls under 66264.1082(c). Owner/operator shall report to DTSC each noncompliance identified under 66264.1082(c).	California Code of Regulations, title 22, section 66270.27; 66264.1090(a)	270.27; 264.1090(a)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-14a(2)	Facilities with Tanks	O	Each Owner/operator Using Air Emission Controls on a Tank in Accordance with 66264.1084(c). Owner/operator shall report to DTSC each noncompliance identified under 66264.1084(b).	California Code of Regulations, title 22, section 66270.27; 66264.1090(b)	270.27; 264.1090(b)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-14a(3)	Facilities with a Control Device	O	Each Owner/operator Using a Control Device in Accordance with 66264.1087. Owner/operator shall submit semiannual written report to DTSC, except as specified.	California Code of Regulations, title 22, section 66270.27; 66264.1090(c), (d)	270.27; 264.1090(c),(d)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-14b	Facilities with a Control Device	O	Each Owner/Operator shall Provide an Emission Monitoring Plan. Applies to Method 21 and control device monitoring methods.	California Code of Regulations, title 22, section 66270.27(a)(6)	270.27(a)(6)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-14c	Facilities with Tanks, Surface Impoundments or Containers	O	Article 30 Implementation Plan. Required when facility cannot comply with Chapter 14, Article 30 by date of permit issuance.	California Code of Regulations, title 22, section 66270.27(a)(7)	270.27(a)(7)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-2	Facilities with Tanks, Surface Impoundments or Containers	O	Following is a List of Units that are Exempt from the 66264.1084-66264.1087 Standards:	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1082(c)	270.14(a); 270.27; 264.1082(c)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-2a	Facilities with Tanks, Surface Impoundments or Containers	O	A Tank, Surface Impoundment, or Container for Which All Hazardous Waste Entering the Unit Has an Average Volatile Organic Concentration at the Point of Waste Origination of less than 500 Parts per Million by Weight (ppmw). Waste determination procedures are specified at 66264.1083.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1082(c)(1)	270.14(a); 270.27; 264.1082(c)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-2b	Facilities with Tanks, Surface Impoundments or Containers	O	A Tank, Surface Impoundment, or Container for Which the Organic Content of all the Hazardous Waste Entering the Waste Management Unit has been Reduced by an Organic Destruction or Removal Process that Achieves Specified Criteria. Waste determination procedures are specified at 66265.1084(b)(2)-(b)(9).	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1082(c)(2)	270.14(a); 270.27; 264.1082(c)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-2c	Facilities with Tanks	O	A Tank Used for Biological Treatment of Hazardous Waste that Destroys or Degrades the Organics Contained in the Hazardous Waste such that the Requirements of 66264.1082(c)(2)(D) are Met. Waste determination procedures are specified at 66264.1083(b) and 66264.1083(a).	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1082(c)(3	270.14(a); 270.27; 264.1082(c)(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-2d	Facilities with Tanks, Surface Impoundments or Containers	O	A Tank, Surface Impoundment or Container for Which all Hazardous Waste Placed in the Unit Meets Applicable Organic Concentration Limits or has been Treated by Appropriate Treatment Technology. Waste determination procedures are specified at chapter 18.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1082(c)(4)	270.14(a); 270.27; 264.1082(c)(4)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-2e	Facilities with Tanks	O	A Tank Located Inside an Enclosure Vented to a Control Device that is Used for Bulk Feed of Hazardous Waste to a Waste Incinerator that Meets Specified CriteriaO-2eA Tank Located Inside an Enclosure Vented to a Control Device that is Used for Bulk Feed of Hazardous Waste to a Waste Incinerator that Meets Specified Criteria. Design and operation of the control device and enclosure shall satisfy 40 CFR, Part 61, Subpart FF; 52.741, Appendix B; and other conditions as specified.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1082(c)(5)	270.14(a); 270.27; 264.1082(c)(5)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-3	Facilities with Tanks, Surface Impoundments or Containers	O	Several Waste Determination Procedures are Explained in Detail and Must be Followed in Order to Demonstrate the Various article 30 and/or Control Requirements. In general, an owner or operator need not undergo waste determination procedures unless they are pursuing an exemption from the chapter14, Article 30 (Subpart CC regulations.)	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1083; 66265.1084	270.14(a); 270.27; 264.1083; 265.1084	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-4	Facilities with Tanks	O	Tanks that Satisfy the Conditions at 264.1084(b)(1)(i-iii) Can Use Tank Level 1 or Tank Level 2 Controls. Tanks that do not Satisfy Conditions Shall Use Tank Level 2 Controls	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(b)(1), (2)	270.14(a); 270.27; 264.1084(b)(1), (2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5	Facilities with Tanks	O	The Conditions at 66264.108(b)(1)(A-C) Provide that Hazardous Waste in the Tank Shall:	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(b)(1)	270.14(a); 270.27; 264.1084(b)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5a	Facilities with Tanks	O	Have Maximum Organic Vapor Pressure Which is less than Maximum Organic Vapor Pressure Limit for Tank's Design Capacity Category	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(b)(1)(A)	270.14(a); 270.27; 264.1084(b)(1)(i)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5a(1)	Facilities with Tanks	O	Not be Heated to Temperature Greater than Temperature at Which Maximum Organic Vapor Pressure of Waste is Determined for Purposes of Compliance	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(b)(1)(B)	270.14(a); 270.27; 264.1084(b)(1)(ii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5a(2)	Facilities with Tanks	O	Not be Treated Using a Waste Stabilization Process, as Defined in 66260.10. A waste stabilization process includes mixing hazardous waste with binders or other materials, and curing resulting hazardous waste and binder mixture.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(b)(1)(C)	270.14(a); 270.27; 264.1084(b)(1)(iii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5b	Facilities with Tanks	O	Maximum Organic Vapor Pressure Determination. Must be determined before first time waste placed in tank, and retested whenever changes could cause it to increase above the maximum vapor pressure limit [66264.1084(b)(1)(A)]. Must be determined before first time waste placed in tank, and retested whenever changes could cause it to increase above the maximum vapor pressure limit [66264.1084(b)(1)(A)].	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(c)(1)	270.14(a); 270.27; 264.1084(c) (1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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Applicant	Section	Item	AppliestoFacilityType	Main Group	Requirement	StateRef	FedRegRef	Satisfies	Not Satisfies	Applies to Project	Not Applicable	DTSCOnly	Location In Application	EPA ID Number
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5b(1)	Facilities with Tanks	O	Tank Level 1. Owner/Operator Shall Equip Tanks with Fixed Roof and Closure Devices as Needed. Fixed roof/closure devices shall form continuous barrier over entire waste in tank; contain no visible open spaces between roof section joints or between interface of roof edge and tank wall; contain openings with closure devices or closed-vent system; and be made of suitable materials.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(c)(2), (3)	270.14(a); 270.27; 264.1084(c)(2), (3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5b(2)	Facilities with Tanks	O	Tank Level 2. Owner/Operator Shall Use One of the Following Tanks:	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(d)	270.14(a); 270.27; 264.1084(d)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5b(2)(i)	Facilities with Tanks	O	Fixed Roof Tank Equipped with Internal Floating Roof. Internal floating roof shall be designed to float on liquid surface, except when supported by leg supports; be equipped with continuous seal between tank wall and floating roof edge; and meet other design specifications.	California Code of Regulations, title 22, section 66270.27(a)(1); 66264.1084(d)(1), (e)	270.27(a)(1); 264.1084(d)(1), (e)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5b(2)(ii)	Facilities with Tanks	O	Tank Equipped with an External Floating Roof. External floating roof shall be designed to float on all liquid surface, except when supported by leg supports; be equipped with two continuous seals; and meet other design specifications.	California Code of Regulations, title 22, section 66270.27(a)(1); 66264.1084(d)(2), (f)	270.27(a)(1); 264.1084(d)(2), (f)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5b(3)	Facilities with Tanks	O	Tank Vented Through Closed-Vent System to a Control Device. Fixed roof/closure devices shall form continuous barrier over entire liquid surface; be made of suitable materials; and satisfy 66264.1087 standards.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(d)(3), (g)	270.14(a); 270.27; 264.1084(d)(3), (g)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5c	Facilities with Tanks	O	Pressure Tank. Tank shall be designed not to bend to atmosphere as result of compression of vapor headspace in tank, and be equipped with closure devices as needed.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(d)(4), (h)	270.14(a); 270.27; 264.1084(d)(4), (h)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5d	Facilities with Tanks	O	Tank Located Inside an Enclosure that is Vented Through a Closed-Vent System to an Enclosed Combustion Control Device. Tank shall be located in enclosure that is vented through closed vent system to enclosed combustion device, and enclosure shall be equipped with safety devices as needed.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(d)(5), (1)	270.14(a); 270.27; 264.1084(d)(5), (1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5e	Facilities with Tanks	O	Tank Level 1. Owner/Operator Shall:	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(c)(1),(3)	270.14(a); 270.27; 264.1084(c)(1), (3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5e(1)	Facilities with Tanks	O	Determine Maximum Organic Vapor Pressure for Hazardous Waste Initially and Whenever Changes could Cause the Vapor Pressure to Increase Above the Maximum Organic Vapor Pressure Limit. Maximum organic vapor pressure shall be determined using 66264.1083(c) procedures.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(c)(1)	270.14(a); 270.27; 264.1084(c)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5e(2)	Facilities with Tanks	O	Ensure that, Whenever Hazardous Waste is in Tank, the Fixed Roof is Installed with Each Closure Device Secured in Closed Position. Exceptions are listed at 66264.1084(c)(3)(A-C).			FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5e(3)	Facilities with Tanks	O	Inspect the Air Emission Control Equipment	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(c)(4)	270.14(a); 270.27; 264.1084(c)(4)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5f	Facilities with Tanks	O	Tank Level 2. Owner/Operators Shall Adhere to the Following Operating Procedures for Each Unit Type:	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(e)	270.14(a); 270.27; 264.1084(e)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5f(1)	Facilities with Tanks	O	Fixed Roof Tank Equipped with Internal Floating Roof. When floating roof is resting on leg supports, filling, emptying, or refilling shall be continuous and completed as soon as practical; when roof is floating, automatic bleeder vents shall be set closed; and prior to filling, openings in roof shall be secured. Inspect the floating roof.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(e)(2), (3)	270.14(a); 270.27; 264.1084(e)(2),(3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5f(2)	Facilities with Tanks	O	Tank Equipped with an External Floating Roof. When floating roof is resting on leg supports, filling, emptying, or refilling shall be continuous and completed as soon as practical; when closure device is open for access, equipment and devices shall be closed and secured as specified; and seals shall provide a continuous and complete cover as specified. Inspect the floating roof.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(f)(2), (3)	270.14(a); 270.27; 264.1084(f)(2), (3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5f(3)	Facilities with Tanks	O	Tank Vented Through Closed-Vent System to a Control Device. When hazardous waste is in tank, fixed roof shall be installed with closure devices secured in closed position and vapor headspace underneath fixed roof vented to control device, except as specified. Inspect and monitor the air emission control equipment.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(g)(2), (3)	270.14(a); 270.27; 264.1084(g)(2), (3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5f(4)	Facilities with Tanks	O	Pressure Tank. When hazardous waste is in tank, it shall be operated as closed system that does not vent to atmosphere, except to avoid an unsafe condition.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(h)(2), (3)	270.14(a); 270.27; 264.1084(h)(2), (3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5f(5)	Facilities with Tanks	O	Tank Located Inside an Enclosure that is Vented Through a Closed-Vent System to an Enclosed Combustion Control Device. Enclosure shall be operated in accordance with 40 CFR, 52.741, Appendix B, and comply with applicable closed-vent requirements. Safety devices may be operated as needed. Inspect and monitor the system and control device.	California Code of Regulations, title 22, section 66270.27(a)(3), 66264.1084(i)	270.27(a)(3), 264.1084(i)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-5f(6)	Facilities with Tanks	O	Shall be Conducted Using Continuous Hard-Piping or Another Closed System that Does Not Allow Exposure of Hazardous Waste to Environment. Requirements do not apply under the conditions specified at 66264.1084(j)(2).	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1084(j)(1)	270.14(a); 270.27; 264.1084(j)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-6	Facilities with Tanks	O	Owner/Operators Shall Install Either of the Following Controls:	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1085(b)(d)	270.14(a); 270.27; 264.1085(b)(d)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-6a	Facilities with Tanks	O	Floating Membrane Cover. Floating membrane cover shall float on liquid surface and form continuous barrier over entire liquid; be made of synthetic membrane material; contain no visible open spaces; and be equipped with closure devices and cover drains as needed.	California Code of Regulations, title 22, section 66270.27(a)(4); 66264.1085(b)(1), (c)(1)	270.27(a)(4); 264.1085(b)(1), (c)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-6a(1)	Facilities with Tanks	O	Cover That Is Vented Through a Closed-Vent System to a Control Device. Cover/closure devices shall form continuous barrier over entire liquid surface; be equipped with closure device; be made of suitable material; and be designed in compliance with 66264.1087.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1085(b)(2) and (d)(2)	270.14(a); 270.27; 264.1085(b)(2) and (d)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-6b	Facilities with Tanks	O	Owner/Operators Shall Adhere to the Following Operating Procedures for Each Control Type:	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1085(c), (d)	270.14(a); 270.27; 264.1085(c), (d)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-6b(1)	Facilities with Surface Impoundments	O	Floating Membrane Cover. When hazardous waste is in surface impoundment, floating membrane cover shall float on liquid, and each closure device shall be secured in closed position, except as specified. Inspect the cover.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1085(c)(2), (3)	270.14(a); 270.27; 264.1085(c)(2), (3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-6b(2)	Facilties with Surface Impoundments	O	Cover that is Vented Through a Closed-Vent System to a Control Device. When hazardous waste is in surface impoundment, cover shall be installed with each closure device secured in closed position and vapor headspace underneath the cover vented to control device, except as specified. Closed-vent system and control device shall be operated in accordance with 66264.1087. Inspect and monitor the control device.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1085(d) (2), (3)	270.14(a); 270.27; 264.1085(d) (2), (3)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-7	Facilities with Surface Impoundments	O	Shall be Conducted Using Continuous Hard-Piping or Another Closed System. Requirements do not apply under conditions specified at 66264.1085(e)(2).	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1085(c)(1)	270.14(a); 270.27; 264.1085(c)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-8	Facilities with Container Level 1 Controls	O	Container Level 1 Standards Apply to:	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1086(b)(1)	270.14(a); 270.27; 264.1086(b)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-8a	Facilities with Container Level 1 Controls	O	Container with Design Capacity Greater than 0.1 m3 and less than or Equal to 0.46 m3	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1086(b)(1)(A)	270.14(a); 270.27; 264.1086(b)(1)(i)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-8a(1)	Facilities with Container Level 1 Controls	O	Container with Design Capacity Greater than 0.46 m3 that is not in Light Material Service	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1086(b)(1)(B)	270.14(a); 270.27; 264.1086(b)(1)(ii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-8b	Facilities with Container Level 2 Controls	O	Container Level 2 Standards Apply to Container with a Design Capacity Greater than 0.46 m3 that is in Light Material Service	California Code of Regulations, title 22, section 66270.14(a); 270.27; 66264.1086(b)(1)(C)	270.14(a); 270.27; 264.1086(b)(1)(iii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-8c	Facilities with Container Level 3 Controls	O	Container Level 3 Standards Apply to Container with Design Capacity Greater than 0.1 m3 that is Used for Stabilization. Level 3 standards apply at those times during waste stabilization process when hazardous waste in container is exposed to atmosphere.	California Code of Regulations, title 22, section 66270.14(a); 66270.27; 66264.1086(b)(2)	270.14(a); 270.27; 264.1086(b)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-9	Facilities Handling Containers	O	Identify Each Container Area Subject to Article 30 (Subpart CC)	California Code of Regulations, title 22, section 66270.27(a)(2)	270.27(a)(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-9a	Facilities with Container Level 1 Controls	O	Container Level 1. A Container Using Level 1 Controls is Defined as One of the Following:	California Code of Regulations, title 22, section 66270.27(a)(2); 66264.1086(c)(1)	270.27(a)(2); 264.1086(c)(1)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-9a(1)	Facilities with Container Level 1 Controls	O	Container that Meets Department of Transportation Regulations on Packaging. Container shall meet Part 178 or Part 179 and be managed in accordance with Parts 107, 172, 173, and 180.	California Code of Regulations, title 22, section 66270.27(a)(2); 66264.1086(c)(1)(A),(f)	270.27(a)(2); 264.1086(c)(1)(i),(f)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-9a(2)	Facilities with Container Level 1 Controls	O	Container Equipped with Cover and Closure Devices. Container shall be equipped with covers and closure devices, as needed.	California Code of Regulations, title 22, section 66270.27(a)(2); 66264.1086(c)(1)(B),(2)	270.27(a)(2); 264.1086(c)(1)(ii),(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-9a(3)	Facilities with Container Level 1 Controls	O	Open-Top Container Equipped with Organic-Vapor Suppressing Barrier. Container shall be equipped with covers and closure devices, as needed.	California Code of Regulations, title 22, section 66270.27(a)(2); 66264.1086(c)(1)(C),(2)	270.27(a)(2); 264.1086(c)(1)(iii),(2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-9b	Facilities with Container Level 2 Controls	O	Container Level 2. A Container Using Level 2 Controls is Defined as One of the Following:	California Code of Regulations, title 22, section 66270.27(a)(2); 66264.1086(d)(1)(f), (g)	270.27(a)(2); 264.1086(d)(1)(f),(g)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-9b(1)	Facilities with Container Level 2 Controls	O	Container that Needs Department of Transportation (DOT) Regulations on Packaging. Containers shall meet Part 178 or Part 179, and be managed in accordance with Parts 107, 172, 173, and 180.	California Code of Regulations, title 22, section 66270.27(a)(2); 66264.1086(d)(1)(A), (f)	270.27(a)(2); 264.1086(d)(1)(i),(f)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-9b(2)	Facilities with Container Level 2 Controls	O	Container that Operates with No Detectable Organic Emissions. Owner/operator shall follow the procedures at 66264.1086(g) and 66265.1084(d) to determine no detectable organic emissions.	California Code of Regulations, title 22, section 66270.27(a)(2); 66264.1086(d)(1)(B),(g)	270.27(a)(2); 264.1086(d)(1)(ii),(g)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-9b(3)	Facilities with Container Level 2 Controls	O	Container that has been Demonstrated Within the Preceding 12 Months to be Vapor-Tight. Owner/operator shall follow procedures at 66264.1086(h) and 40 CFR, Part 60, Appendix A, Method 27 to demonstrate container is vapor-tight.	California Code of Regulations, title 22, section 66270.27(a)(2); 66264.1086(d)(1)(C) and (h)	270.27(a)(2); 264.1086(d)(1)(iii) and (h)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

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SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-9c	Facilities with Container Level 3 Controls	O	Container Level 3. A Container Using Level 3 Controls is Defined as One of the Following:	California Code of Regulations, title 22, section 66270.27(a)(2); 66264.1086(e)(1), (2)	270.27(a)(2); 264.1086(e)(1), (2)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-9c(1)	Facilities with Container Level 3 Controls	O	Container that is Vented Directly Through a Closed-Vent System to a Control Device. The closed-vent system and control device shall be designed in accordance with 66264.1087. Safety devices may be installed as needed.	California Code of Regulations, title 22, section 66270.27(a)(2); 66264.1086(e)(1)(A)	270.27(a)(2); 264.1086(e)(1)(i)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section O. Air emission Standards for Containers, Tanks, and Surface Impoundments (Subpart CC)	O-9c(2)	Facilities with Container Level 3 Controls	O	Container that is Vented Inside an Enclosure Which is Exhausted Through a Closed-Vent System to a Control Device. The container/enclosure must be designed in accordance with 40 CFR, 52.741, Appendix B and 66264.1087. Safety devices may be installed as needed.	California Code of Regulations, title 22, section 66270.27(a)(2); 66270.27(a)(3); 66264.1086(e)(1)(B)	270.27(a)(2); 270.27(a)(3); 264.1086(e)(1)(ii)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921
SONGS	Section P. Exposure Information	P-1	Facilities with Exposure information	P	Information on the Potential for the Public to be Exposed to Releases. At a Minimum, this must include: reasonably foreseeable potential releases. potential pathways of human exposure. potential magnitude and nature of exposure. The federal requirement is for surface impoundments and land disposal units.	California Code of Regulations, title 22, section 66270.10(j)	270.10(j)	FALSE	FALSE	FALSE	FALSE	FALSE	N/A	CAD000630921

NOTE: Sections D-2 thru E9e(4) of this checklist were intentionally not included since these sections were not applicable to the permit application and to limit the size of the report.