



Fact Sheet
Prepared by
California Department of Toxic Substances Control



For
RCRA HAZARDOUS WASTE FACILITY PERMIT RENEWAL
LAWRENCE LIVERMORE NATIONAL LABORATORY
SITE - 300
Corral Hollow Road
Tracy, California 95376
March 03, 2016

Facility/Unit Type: RCRA Storage and Treatment Facility
Waste Types: RCRA and Non-RCRA
Permit Type: RCRA Hazardous Waste Facility Permit



Document Organization

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1. INTRODUCTION

The Lawrence Livermore National Laboratory – Site 300 (Facility) submitted an application for a Resource Conservation and Recovery Act (RCRA) hazardous waste facility permit (Application) on July 1, 2005. The Department of Toxic Substances Control (DTSC) conducted an administrative review of the Application and deemed it administratively complete in a letter issued on August 01, 2005. DTSC subsequently conducted a technical review of the Application and issued two formal Notices of Deficiencies (NODs). DTSC deemed the Application Technically Complete in a letter to LLNL dated May 07, 2008. On June 18, 2008, DTSC initiated a public comment period for a Draft Permit (2008 Draft Permit) and draft Negative Declaration. DTSC did not make a permit decision at that time; therefore, a final permit and response to comment document was not issued.

DTSC instead required the facility to prepare a workplan and conduct additional site characterization. In addition, the facility made corrections and other changes to the application. This revised application was determined to be technically complete on February 09, 2016. In consideration of comments received on the 2008 Draft Permit and due to soil samples needed prior to the issuance of the 2008 Draft Permit, DTSC has prepared a new draft permit pursuant to 22 C.C.R. § 66271.13(b)(1). The new draft permit is available for public comment. The public comment period will start on **March 28, 2016**. For more information on the public comment period, see Section 5 below.

In accordance with the requirements of the California Environmental Quality Act (CEQA), DTSC performed an analysis of two prior negative declarations prepared for the Facility using a DTSC Environmental Document Analysis form and determined that an Addendum to the prior negative declarations is appropriate for the project.

DTSC has prepared this Fact Sheet in accordance with California Code of Regulations (Cal. Code of Regs.), title 22, section 66271.7. This Fact Sheet provides the following:

- a brief description of the type of facility or activity which is the subject of the draft permit;
- a brief summary of the basis for the draft permit conditions;
- the type and quantity of hazardous wastes, which are proposed to be or are being stored;

- a description of the procedures for reaching a final decision on the draft permit;
- Name and telephone number of a person to contact for additional information.

2. FACILITY DESCRIPTION

The Facility is primarily an explosives test facility that supports the LLNL weapons program in research, development, and testing associated with non-nuclear weapons components. The Facility's operations include chemical formulation of explosives; machining explosive charges; and assembling machined charges before they are sent to the on-site test firing facilities. Hazardous waste generated from these activities is sent to the onsite waste management facilities for treatment, packaging, or storage, and eventual shipment to an off-site authorized disposal facility. In addition to accepting on-site generated hazardous waste, the Facility also accepts explosives waste from the LLNL Main Site (EPA Identification Number CA2 890 012 584) for storage and treatment. The Facility also sends its hazardous wastes that require further treatment to the LLNL Main Site facility.

3 AUTHORIZED VOLUMES, LOCATIONS, AND WASTE STREAMS

The permit will authorize LLNL to treat 460 pounds of explosive hazardous waste per day with a maximum treatment capacity of 37,000 pounds of explosive hazardous waste a year; and a storage maximum capacity of 15,836 pounds of explosive hazardous waste and 15,125 gallons of hazardous waste (volume includes 9240 gallons of explosive hazardous waste) in three (3) treatment units and nine (9) storage units. Three (3) treatment units and two (2) storage units are located within the Explosive Waste Treatment Facility (EWTF). Five (5) magazine storage units are located within the Explosive Waste Storage Facility (EWSF). In addition, one (1) storage unit is the Container Storage Area located in Building 883.

Table 1: Wastes Streams Permitted for Treatment at the Explosives Waste Treatment Facility

Explosives Waste Stream Number	Waste Stream Description and Examples	U.S. EPA Waste Codes	CA Waste Codes	Treatment Method/Unit
Form 1	Cased explosives or other explosives that have the potential to detonate during treatment operations.	D003, P081, P112, U117	331, 352	Open Detonation/ Open Detonation Unit
Form 2	Explosives pieces, powders, pastes, absorbed liquids and small assemblies that will not detonate during open burning.	D003, P081, P112, U117, U234	331, 352, 551	Open Burning/ Burn Pan
Form 3	Wet explosives machine fines, sludge from weirs and settling basins, wet waste filters.	D003, K044, K045, K046, K047	352, 491	Open Burning/ Burn Cage

Form 4	Explosives-contaminated personal protective equipment, paper, rags, packaging, plastic tubing, laboratory waste, dry waste filters.	D003, F002, F003, F005	352	Open Burning/ Burn Cage
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Table 2: Waste Streams Permitted for Storage at the Explosives Waste Storage Facility

UNO STORAGE² COMPATIBILITY GROUP	DESCRIPTION
Group A	Initiating explosives
Group B	Detonators and similar initiating devices not containing two or more independent safety features
Group C	Bulk propellants, propellants propelling charges, and devices containing propellant with or without their means of ignition.
Group D	Black powder, high explosives (HE), ammunition/devices containing HE without its own means of initiation and without propelling charge, or a device containing an initiating explosive and containing two or more independent safety features.
Group E	Ammunition/explosives devices containing HE without its own means of initiation and with propelling charge (other than one containing a flammable or hypergolic liquid)
Group F	Ammunition containing HE with its own means of initiation and with propelling charge (other than one containing a flammable or hypergolic liquid or without propelling charge)
Group G	Fireworks, illuminating, incendiary and smoke, including hexachlorethane or tear producing munitions other than those munitions that are water activated or which contain white phosphorus (WP) or flammable liquid or gel.
Group H	Ammunition containing both explosives and WP or other pyrophoric material.
Group J	Ammunition containing both explosives and flammable liquids or gels.
Group K	Ammunition containing both explosives and toxic chemical agents.
Group L	Ammunition not included in other compatibility groups. Ammunition having characteristics that do not permit storage with other types of

	ammunition, or kinds of explosives, or dissimilar ammunition of this group.
Group N	Ammunition containing only extremely insensitive detonating substance.
Group S	Ammunition presenting no significant hazard.

Table 3: Waste Streams Permitted for Storage at Building 883 (B883)

Waste¹ Stream Number/ Form Code	Waste Name	Waste¹ Stream Number/ Form Code	Waste Name
W001	Lab packs from any source not containing acute hazardous waste	W206	Waste oil
W002	Contaminated debris (lab packed or bulk debris)	W209	Paint, ink, lacquer, or varnish
W004	Lab packs containing acute hazardous wastes	W210	Reactive or polymerizable organic liquids and adhesives
W101	Very dilute aqueous waste with low concentration (<1%) of solvents	W211	Paint thinner or petroleum distillates
W103	Spent concentrated acid ($\geq 5\%$) with metals	W219	Other organic liquid
W105	Acidic aqueous waste < 5% acid	W301	Contaminated soil (usually from spill cleanup, demolition, or remediation); see also W512
W107	Caustic solution with metals and cyanide	W303	Ash (from any type of burning of hazardous waste)
W110	Caustic aqueous waste without cyanides	W304	Slags, drosses, and other solid thermal residues
W113	Other aqueous waste or wastewaters (fluid but not sludge)	W307	Metal scale, filings and scrap
W117	Waste liquid mercury	W312	Cyanide or metal cyanide bearing solids, salts or chemicals
W119	Other inorganic liquids	W316	Metal salts or chemicals not containing cyanides
W200	Still bottoms in liquid form	W319	Other waste inorganic solids

W202	Concentrated Halogenated solvent	W401	Pesticide solids
W203	Concentrated non-halogenated solvent	W403	Solid resins, plastics, or polymerized organics
W204	Concentrated halogenated/non-halogenated solvent mixture	W405	Explosives or reactive organic solids
W205	Oil-water emulsion or mixture	W406	Dried paint

Waste¹ Stream Number/ Form Code	Waste Name
W409	Other organic solids
W501	Lime and/or metal hydroxide sludges and soils with no cyanides (not contaminated muds-W512)
W503	Gypsum sludges from wastewater treatment or air pollution control
W504	Other sludges from wastewater treatment or air pollution control
W505	Metal bearing sludges (including plating sludge) not containing cyanides
W506	Cyanide-bearing sludges (not contaminated soils –W512)
W512	Sediment or lagoon dragout, drilling or other muds ; see also W301
W519	Other inorganic sludges (not contaminated muds – W512)
W603	Oily sludge (not contaminated muds – W512)
W604	Paint or ink sludges, still bottoms in sludge form (not contaminated muds – W512)
W606	Resins, tars, polymer or tarry sludge (not contaminated muds – W512)
W609	Other organic sludge
W801	Compressed gases of any type

4. BASIS FOR DRAFT PERMIT CONDITIONS

DTSC included special conditions for specific units and for the facility as a whole in order to protect human health and the environment. The permit special conditions are as follows:

UNIT-SPECIFIC SPECIAL CONDITIONS:

UNIT #1: Open Burn Cage

Condition #1: *The Permittee shall not store hazardous waste in this Unit.*

Basis: This unit is a treatment unit not designed for the storage of hazardous waste. Therefore, DTSC is prohibiting any storage activity to take place directly in the Open Burn Cage.

Condition #2: *The Permittee shall not conduct more than 100 open burn events in this Unit per calendar year.*

Basis: This condition is included in the draft permit to be consistent with the requirements of the permit issued by the San Joaquin Valley Air Pollution Control District.

Condition #3: *Open burning in this Unit shall be conducted in accordance with all the requirements of the San Joaquin Valley Air Pollution Control District.*

Basis: This condition is included to help ensure that the facility operates according to all applicable requirements set by the San Joaquin Valley Air Pollution Control District.

Condition #4: *Open burning in this Unit shall not commence before sunrise or after sunset.*

Basis: This condition is included to help ensure that no wildlife and/or any affected residents are not disturbed from night operations.

Condition #5: *The Permittee shall wait at least 24-hours following a burn event to remove the treatment residue from this Unit.*

Basis: In order to protect human health and help prevent any injuries that could result from unburned material or material that has not burned completely, DTSC is requiring waste to sit in the cage for 24-hours before it is removed for storage or further treatment at a different treatment unit or authorized treatment, storage, or disposal facility (TSDF).

UNIT #2: Open Burn Pan

Condition #1: *The Permittees shall not store hazardous waste in this Unit.*

Basis: This unit is a treatment unit not designed for the storage of hazardous waste. Therefore, DTSC is prohibiting any storage activity to take place directly in the Open Burn Pan.

Condition #2: *The Permittee shall not conduct more than 100 open burn events in this unit per calendar year.*

Basis: This condition is included in the draft permit to be consistent with the requirements of the permit issued by the San Joaquin Valley Air Pollution Control District.

Condition #3: *Open burning in this Unit shall be conducted in accordance with all the requirements issued by San Joaquin Valley Air Pollution Control District.*

Basis: This condition is included to help ensure that the facility operates according to all applicable requirements set by the San Joaquin Valley Air Pollution Control District.

Condition #4: *Open burning in this Unit shall not commence before sunrise or after sunset.*

Basis: This condition is included to help ensure that no wildlife and/or any affected residents are not disturbed from night operations.

Condition #5: *The Permittee shall wait at least 24 hours following a burn event to remove the treatment residue from this Unit.*

Basis: In order to protect human health and help prevent any injuries that could result from unburned material or material that has not burned completely, DTSC is requiring waste to sit in the cage for 24-hours before it is removed for storage or further treatment at a different treatment unit or authorized TSDF.

UNIT #3: Open Detonation Unit

Condition #1: *The Permittee shall not store hazardous waste in this Unit.*

Basis: This unit is a treatment unit and is not designed for the storage of hazardous waste. Therefore, DTSC is prohibiting any storage activity to take place directly in the Open Detonation Unit.

Condition #2: *The Permittee shall not detonate more than 100 pounds of explosives waste per day/event and 1000 pounds of explosives waste per year.*

Basis: This condition is included in the draft permit to be consistent with the requirements of the permit issued by the San Joaquin Valley Air Pollution Control District

Condition #3: *Open detonation in this Unit shall be conducted in accordance with all the requirements of the San Joaquin Valley Air Pollution Control District.*

Basis: This condition is included to help ensure that the facility operates according to all applicable requirements set by the San Joaquin Valley Air Pollution Control District.

Condition #4: *Open detonation in this Unit shall not commence before sunrise or after sunset.*

Basis: This condition is included to help ensure that no wildlife and/or any affected residents are not disturbed from night operations.

Condition #5: *The Permittee shall wait at least 24-hours following a detonation event to remove the treatment residue from this Unit.*

Basis: In order to protect human health and help prevent any injuries that could result from unburned material or material that has not burned completely, DTSC is requiring waste to sit in the cage for 24-hours before it is removed for storage or further treatment at a different treatment unit or authorized TSDF.

UNIT #4: Explosive Waste Treatment Residue Storage Unit 1 – near Open Burn.

Condition #1: *This Unit shall be kept closed and locked except when in use.*

Basis: This condition is included to help prevent any access from unauthorized personnel or wildlife.

Condition #2: *The Permittee shall maintain a hazardous waste sign on the front of this Unit. The sign shall have the emergency contact name and phone number on it and shall be visible from a distance of at least 10 feet.*

Basis: This condition is included to help ensure that any person authorized or unauthorized to manage hazardous waste is informed of what is being stored in Unit 4 without the need to open the container.

Condition #3: *The Permittee shall not store any containers larger than 55 gallons in this Unit.*

Basis: This restriction is included in the draft permit to account for the dimensions of the Unit.

Condition #4: *This Unit shall only store treatment residue generated from the Open Burn Cage (Unit #1) and Open Burn Pan (Unit # 2).*

Basis: Due to the design and the type of waste to be stored, the unit is being limited to store the waste treated at the Open Burn Cage and Open Burn Pan units, Unit #1 and #2 respectively.

UNIT #5 Explosives Waste Treatment Residue Storage Unit 2 – near Open Detonation

Condition #1: *This Unit shall be kept closed and locked except when in use.*

Basis: This condition is included to help prevent any access from unauthorized personnel or wildlife.

Condition #2: *The Permittee shall maintain a hazardous waste sign on the front of this Unit. The sign shall have the emergency contact name and phone number on it and shall be visible from a distance of at least 10 feet.*

Basis: This condition is included to help ensure that any person authorized or unauthorized to manage hazardous waste is informed of what is being stored in Unit 4 without the need to open the container.

Condition #3: *The Permittee shall not store any containers larger than 55 gallons in this Unit.*

Basis: This restriction is included in the draft permit to account for the dimensions of the Unit.

Condition #4: *This Unit shall only store treatment residue generated from the Open Detonation Unit (Unit #3).*

Basis: Due to the design and the type of waste to be stored, the unit is being limited to store the waste treated at the Unit #3.

UNIT #6: Magazine 2 (M2)

Condition #1: *The Permittee shall not store any containers larger than 55 gallons in this Unit.*

Basis: Due to dimension limitations, the draft permit authorizes the Permittee to store containers that do not surpass 55-gallons.

Condition #2: *At all times, the Permittee shall display the total weight currently stored within the Unit on the outer side of the Unit's door.*

Basis: This condition is included to facilitate enforcement and avoid any miscalculation of total hazardous waste stored in the unit.

UNIT #7: Magazine 3 (M3)

Condition #1: *The Permittee shall not store any containers larger than 55 gallons in this Unit.*

Basis: Due to dimension limitations, the draft permit authorizes the Permittee to store containers that do not surpass 55-gallons.

Condition #2: *At all times, the Permittee shall display the total weight currently stored within the Unit on the outer side of the Unit's door.*

Basis: This condition is included to facilitate enforcement and avoid any miscalculation of total hazardous waste stored in the unit.

UNIT #8: Magazine 4 (M4)

Condition #1: *The Permittee shall not store any containers larger than 55 gallons in this Unit.*

Basis: Due to dimension limitations, the draft permit authorizes the Permittee to store containers that do not surpass 55-gallons.

Condition #2: *At all times, the Permittee shall display the total weight currently stored within the Unit on the outer side of the Unit's door.*

Basis: This condition is included to facilitate enforcement and avoid any miscalculation of total hazardous waste stored in the unit.

UNIT #9: Magazine 5 (M5)

Condition #1: *The Permittee shall not store any containers larger than 55 gallons in this Unit.*

Basis: Due to dimension limitations, the draft permit authorizes the Permittee to store containers that do not surpass 55-gallons.

Condition #2: *At all times, the Permittee shall display the total weight currently stored within the Unit on the outer side of the Unit's door.*

Basis: This condition is included to facilitate enforcement and avoid any miscalculation of total hazardous waste stored in the unit.

UNIT #10: Magazine 816 (M816)

Condition #1: *The Permittee shall not store any containers larger than 55 gallons in the Unit.*

Basis: Due to dimension limitations, the draft permit authorizes the Permittee to store containers that do not surpass 55-gallons.

Condition #2: *The Permittee shall not store liquid waste in this Unit.*

Basis: Due to the secondary containment requirements under the California Code of Regulations, title 22, section 66264.175, the Unit is not designed to store liquid hazardous waste. This condition is included to help ensure the Permittee does not store liquid hazardous waste.

UNIT #11: Building 695 Debris Washer Unit

Condition #1: *The Permittee shall not store any containers larger than 1110 gallons in this Unit.*

Basis: This condition is included because the Unit design limits the type and size of containers to be stored.

Condition #2: *The Permittee shall not stack 55-gallon or larger containers more than two containers high.*

Basis: This condition is included to help prevent increased hazards that could result from any spills and accidents if stored above the specified height.

Condition #3: *The Permittee shall segregate and store incompatible hazardous wastes in separate secondary containment systems.*

Basis: This condition is included in the draft permit to help ensure that, should a spill occur, incompatible wastes do not come in contact with each other and the spill is contained within the secondary containment.

Condition #4: *The Permittee shall not store any explosives waste in this Unit.*

Basis: This condition is included because the Unit is not designed for the storage of explosives waste.

GENERAL FACILITY SPECIAL CONDITIONS:

Condition 1: *The Permittee shall not store treat or manage radioactive wastes or hazardous wastes containing radioactive waste or constituents (mixed waste).*

Basis: The facility does not have the required equipment or design in order to manage any type of radioactive constituents, so such storage is prohibited in order to protect human health and the environment.

Condition 2: *The Permittee shall not receive any hazardous waste from off-site facilities or locations, with the exception noted in Special Condition 3 below.*

Basis: The Permittee is authorized to receive hazardous waste for treatment and storage from the LLNL main site only; the receipt of all other hazardous waste from other facilities is prohibited.

Condition 3: *The Permittee may receive only explosives waste from LLNL Main Site (EPA ID No. CA2890012584) for the purpose of storage and treatment as authorized by this Permit and only in an amount not to exceed 22 pounds (10 kg) per shipment by ground transportation.*

Basis: The Permittee is authorized to receive hazardous waste for treatment and storage from the LLNL main site only; the receipt of hazardous waste from any other facility is prohibited.

Condition 4: *The Permittee is prohibited from conducting any hazardous waste transfer, storage, treatment or other management activity unless it is specifically described in this Permit or otherwise authorized by DTSC.*

Basis: This general condition is included to clarify that the Permittee's authorized hazardous waste management activities under the draft permit to those described in the draft permit.

Condition 5: *The Permittee shall label all hazardous waste containers in accordance with California Code of Regulations, title 22, section 66262.34(f). The label shall clearly indicate the name and address of the waste generator, including the*

LLNL Main Site as applicable.

Basis: This condition is included to help ensure consistent management of containers as specified under DTSC's regulatory requirements.

Condition 6: *The Permittee shall clearly mark containers of explosives waste with the compatibility group designation letter as specified in Table 2 of this Permit and shall keep the containers segregated and stored in accordance with Table 3 of this Permit.*

Basis: This condition is included to help ensure that all explosives hazardous waste is labeled correctly and stored as specified in Table 2 following the segregation schedule of Table 3.

Condition 7: *The Permittee shall keep Group L waste, comprised of ammunition waste as described in Table 2 of this Permit, segregated and stored separately from other explosives wastes.*

Basis: This condition is included to help ensure that all hazardous waste from Group L is stored and segregated from other explosives in order for easy enforceability and management of the hazardous waste.

Condition 8: *The Permittee shall maintain a minimum of 30 inches of aisle space between rows of containers at all times.*

Basis: This condition is included to help ensure unobstructed access to stored hazardous waste in case of an emergencies as well visual inspections of containers.

Condition 9: *The Permittee shall not stack any containers holding explosives waste on top of any other container.*

Basis: This condition is included to reduce the possibility of toppling and to protect human health and the environment from any negative reaction that explosives hazardous waste might have due to shock.

Condition 10: *In the event any cracks, gaps or tears are detected in any hazardous waste management unit, the Permittee shall initiate repair as soon as possible and*

complete repair within one week of discovery of the problem. The Permittee shall notify DTSC within 24 hours whenever a containment crack, gap or tear is found. Within seven days of discovery of the problem, the Permittee shall notify DTSC in writing of corrective measures that have been taken.

Basis: This condition is included to help ensure that secondary containment stays intact to prevent release of hazardous constituents into the environment.

Condition 11: *Containers holding hazardous wastes shall be stored only in the authorized areas designated in Part IV of this Permit. Any non-hazardous waste that is stored in a designated hazardous waste storage area as provided by this Permit shall be subject to the conditions of this Permit, including volume calculations, compatibility and inspections.*

Basis: This condition is included to prevent the Permittee from managing non-hazardous waste under different requirements, to facilitate enforcement of Permit conditions, and to help ensure that the volume of hazardous waste stored does not exceed the design capacity of the storage unit.

Condition 12: *For the purpose of calculating the permitted maximum capacity limitations for storage and for secondary containment, all containers in the authorized units are assumed to be full, and all hazardous waste that is stored or located in an authorized unit shall be included in the calculation for that unit.*

Basis: This condition is included for enforcement purposes to clarify the calculation of the volume hazardous waste being stored within the authorized unit.

Condition 13: *Only employees of the Permittee who are fully trained in the Facility's operations and procedures are allowed to handle the treatment, transfer, and storage operations at the Facility.*

Basis: In order to protect human health and the environment, this condition specifies that only fully trained personnel are authorized to handle the treatment, transfer, and storage of hazardous waste.

Condition 14: *Within three (3) years from the effective date of this Permit, the Permittee shall submit for approval, a Soil Sampling Plan (Soil Sampling Plan) to implement the recommendations of the September 2012 Soil Sample Report (LLNL-TR-588454). The Soil Sampling Plan shall include at a minimum:*

- a. *The laboratory Method Detection Limit and Reporting Limit for each chemical listed in Table 1 of the Soil Sample Report, LLNL-TR-588454;*
- b. *A plan to sample metals, furans, explosives, perchlorate and semi-volatile compounds from one location closest to Units #1 and #2 (Burn Units) and #3 (Open Detonation Unit);*
- c. *A plan to sample metals from each downwind sampling location using the same methodology employed during the 2009 sampling effort, as described in the Soil Sampling Plan, October 2007, LLNL-TR-400074 (2007 Soil Sampling Plan);*
- d. *A plan to sample two additional locations (one to the northeast and the other to the southwest) in addition to pre-existing sampling locations designated as EWTF Downwind #1, #2, #3 and #4 as specified in LLNL-TR-588454 Soil Sample Report. The two additional locations shall be located at the same distance from the Burn Units (Units #1 and #2) as the EWTF Downwind #1 sample location and sampled for metals only.*
- e. *A plan to sample two additional locations (one to the northwest and one to the southeast) in addition to pre-existing sample locations designated as Detonation Pad Downwind #1 and #2 as specified in LLNL-TR-588454 Soil Sample Report. The two additional locations shall be located at the same distance from the Open Detonation Unit (Unit #3) as the Detonation Pad Downwind #1 sample location and sampled for metals only.*
- f. *A plan to sample for perchlorate at all locations.*

Basis: Due to the type of treatment at the facility, the draft permit requires Soil Sampling to confirm that the continuation of treatment operations is not negatively impacting the surrounding areas.

Condition 15: *The Permittee shall fully implement the approved Soil Sampling Plan no later than one (1) year after receiving approval from DTSC.*

Basis: This condition is included to require full implementation of the Soil Sampling Plan following its approval by DTSC.

Condition 16: *The Permittee shall submit to DTSC, no later than eight (8) months after full implementation of the approved Soil Sampling Plan, a summary report of the soil sampling effort. At a minimum, the report shall include:*

- a. *Executive summary, including objectives and conclusions;*
- b. *Supporting laboratory report of analytical data;*

- c. Discussion of any changes in soil chemical concentrations relative to the September 2012 Soil Sample Report (LLNL-TR-588454);
- d. Statistical analysis by mean, standard deviation and UCL 95% methods (applied the same as the 2012 Soil Sample Report, LLNL-TR-588454);
- e. Identification and analysis of any individual result whose variability is greater than 20% of the mean value for each constituent; and
- f. Comparison of results to the CERCLA Site 300 background levels identified in the 2012 Soil Sample Report, LLNL-TR-588454.

Basis: This condition is included to specify the minimum requirements for reporting on the results of the Soil Sampling Plan required by the draft permit.

5. PROCEDURES FOR REACHING A FINAL PERMIT DECISION

DTSC is soliciting public comment on this proposed decision. The public comment period will start on March 28, 2016 and end on May 17, 2016. Please submit your comments to:

Alejandro Galdamez
700 Heinz Avenue
Berkeley, California 94710
Alejandro.Galdamez@dtsc.ca.gov

We also invite you to a public meeting/hearing that is going to take place on **April 27, 2016 at 6:30 p.m.**, at **Monticello Elementary School, Multipurpose Room located at 1001 Cambridge Place, Tracy, California**. During the public meeting, DTSC will explain the proposed project and answer questions that may arise from all interested parties in the audience prior to the hearing. During the hearing, which will start around 7:30 p.m., DTSC will accept public comments through the use of a court reporter. DTSC will consider all public comments received during the public comment period, including those received at the public hearing, prior to making a final permit decision.

If you have questions about this project please contact the following staff:

Project Manager	Public Participation Specialist	Public Information Officer
Alejandro Galdamez 700 Heinz Avenue Berkeley, California 94710 Alejandro.Galdamez@dtsc.ca.gov (510) 540-3933	Nathan Schumacher 8800 Cal Center Drive Sacramento, California 95826 Nathan.Schumacher@dtsc.ca.gov (916) 255-3650 Toll Free (866) 495-5651	Jorge Moreno Public Information Officer I Jorge.Moreno@dtsc.ca.gov Media contact (916) 327-4383

If you are a member of the media please contact the Public Information Officer.

You may review the proposed Draft RCRA hazardous waste facility permit and all supporting documents at the following locations:

Tracy Public Library 20 E Eaton Avenue Tracy, California 95376 (866) 805-7323	LLNL Visitor Center Reading Room Greenville Road at East Gate Drive Livermore, California 94551 (925) 423-3272 Open: Tuesday through Friday Hours: 1:00pm to 4:00pm	Department of Toxic Substances Control Berkeley Regional Office Filing Room 700 Heinz Avenue Berkeley, California 94710 (510) 540-3800 Open: Monday through Friday Hours: 8:00am to 5:00pm
Civic Center Library 1188 South Livermore Avenue Livermore, California 94550 (925)373-5500		

Please contact the Berkeley Regional Office Filing Room in order to make arrangements.

Information is also available in electronic form at:

<http://www.envirostor.dtsc.ca.gov/public/>. Enter "Tracy" as the City, zoom out once, scroll down and select the red square with "Lawrence Livermore National Laboratory – Site 300." Click on the link "Activities" to view the associated documents to this decision.

Or at our website:

http://www.dtsc.ca.gov/HazardousWaste/Hazardous_Waste_Facilities_Index.cfm#L

Notice for the Hearing Impaired:

TDD users may obtain additional information by using the California State Relay Service at 711 or (800) 735-2929 (TDD).

6. FIGURES

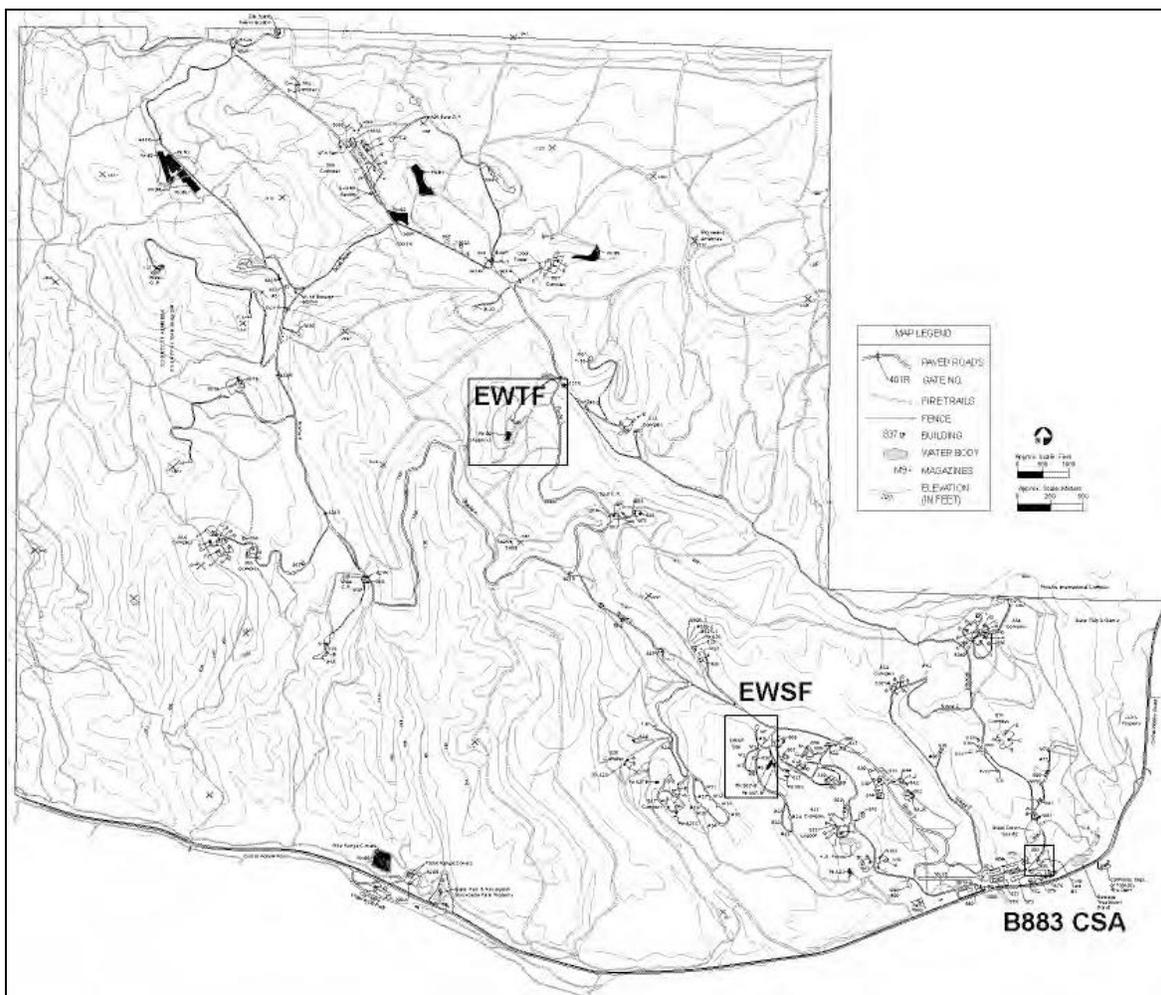


Figure 1: Location of Hazardous Waste Management Units

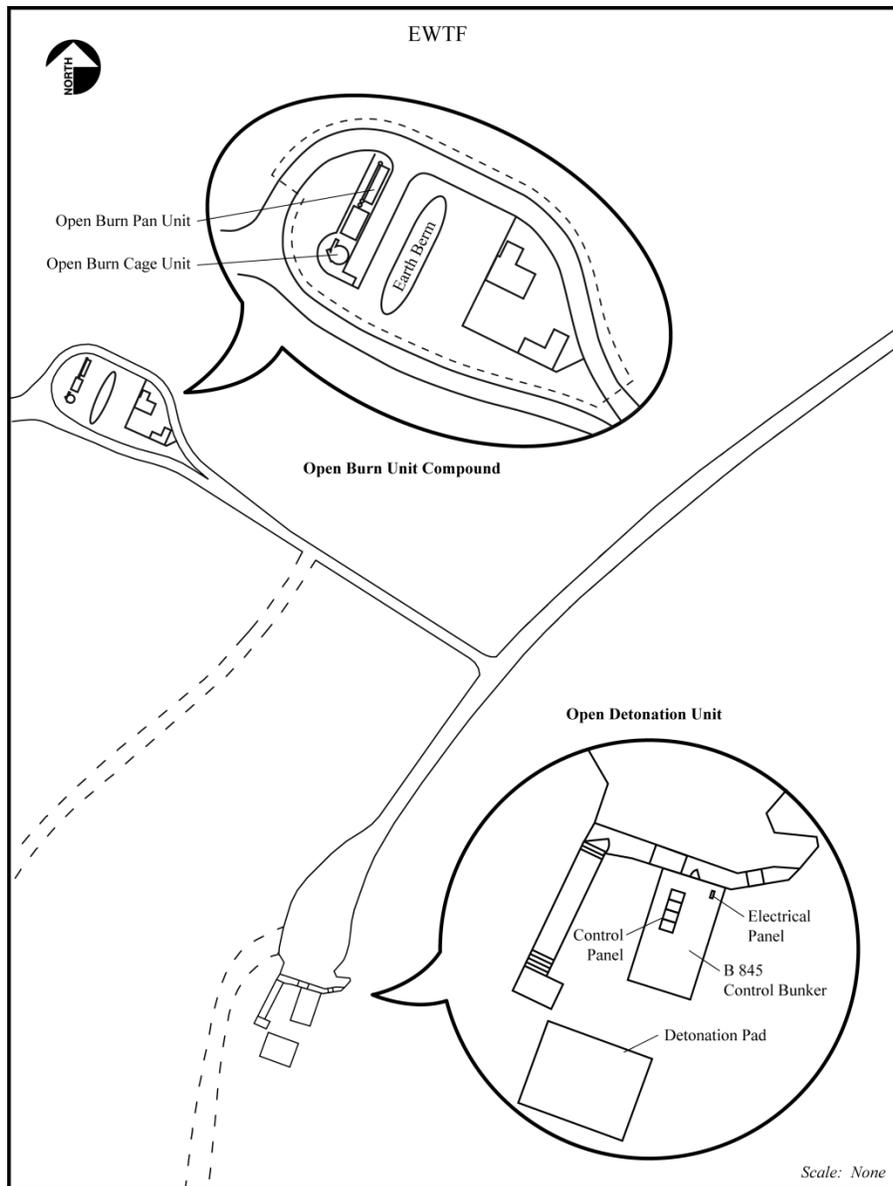


Figure 2: Explosives Waste Treatment Units
 Open-Burn Pan
 Open-Burn Cage
 Open-Detonation Pad

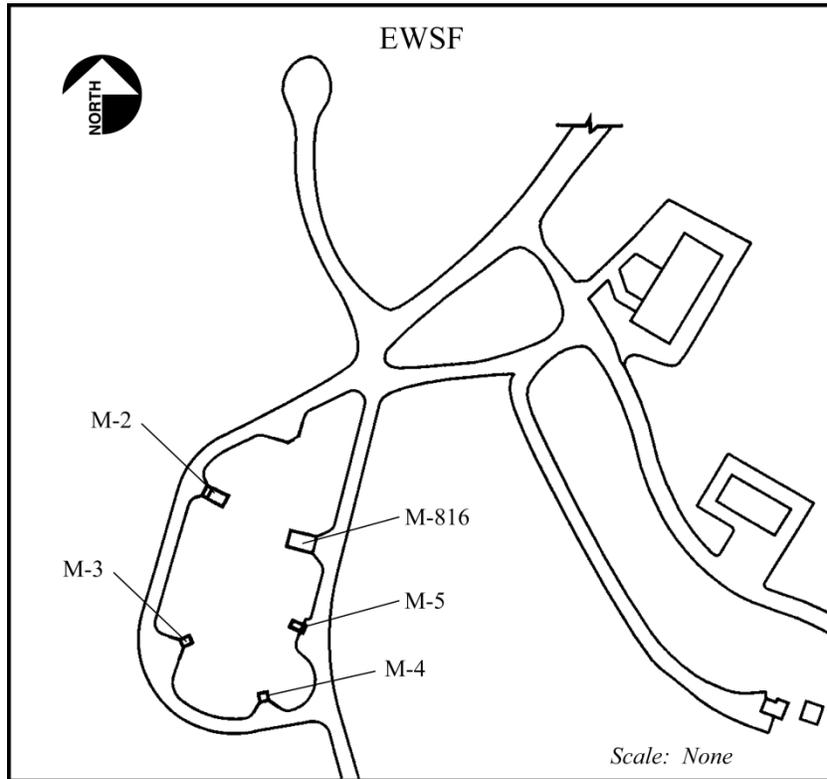


Figure 3: Explosives Waste Storage Units M-2, M-3, M-4, M-5, and M-816

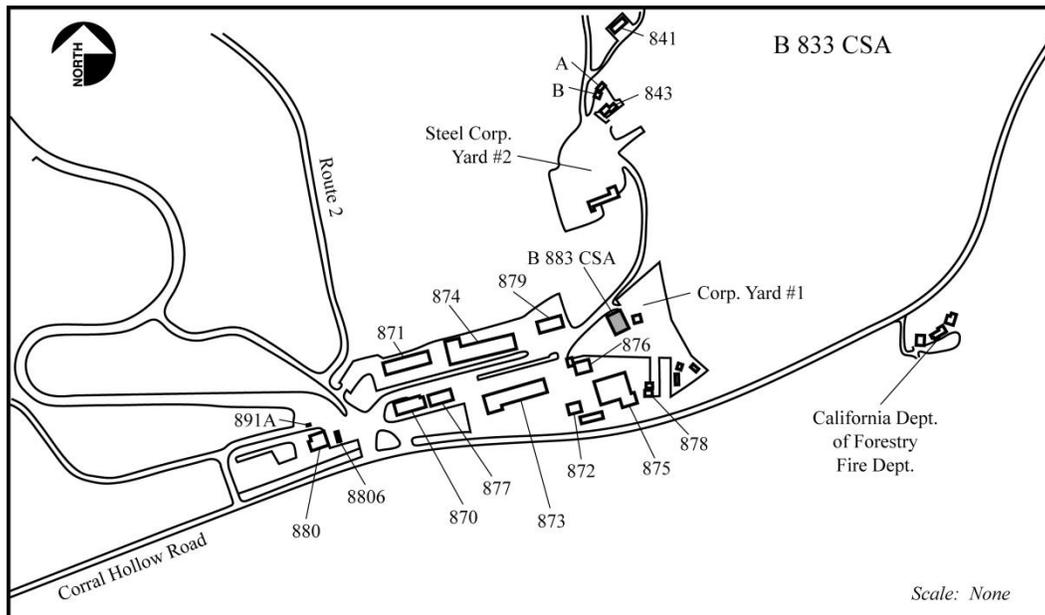


Figure 4: Building B833 Container Storage Area