

**RCRA Part A Permit Application for
the Storage Facility (2233) and
Storage Magazine (0312)**

Submitted by:

**United Technologies Corporation
Pratt and Whitney Rocketdyne San Jose
600 Metcalf Road
San Jose, California 95138**

EPA I.D. # CAD001705235

May 2006

INTRODUCTION

The enclosed Part A Permit Application addresses changes in waste management operations at the United Technologies Corporation, Pratt & Whitney Rocketdyne, San Jose site (UTC). The information below describes all the processes that will be used to store and/or treat hazardous waste at UTC. The process code, design capacity, and number of units for each process are also provided.

Permitted Unit	Description	Process Code	Design Capacity	Number of Units
Storage Facility (2233)	Storage in containers	S01	23,820 gallons and 200 cubic yards	1
Storage Magazine (0312)	Storage in containers	S01	1,320 gallons per unit	3

Desensitization can also take place at the points of generation throughout UTC where waste is stored for less than 90 days. Desensitization is performed so that energetic wastes can be safely transported to the Storage Magazine (0312) or disposed of offsite. Each point of generation will have its own design capacity based upon how much material can be located at that point. UTC stations with propellant and explosive material have signs posted at the station that list the amount of energetic material that is allowed at the station.

The design capacity for the Storage Magazine (0312) is 30,000 pounds/unit of DOT Class 1.3 material (or 10,000 pounds/unit of DOT Class 1.1 material) in each of the three units due to the explosive hazard. However, there is only enough room to store up to 1,320 gallons in each unit and still allow for proper handling, inspection, and secondary containment of liquid waste.

Section 10 of the Part A permit application (pages 5 through 5d) lists the federal and California waste codes for the waste that will be stored and/or treated at UTC. The annual quantity of each waste code was estimated by taking each waste stream, evenly distributing the total estimated weight for that waste stream proportionally between the different federal and California waste codes and then showing the resulting total weights for each waste code, as instructed by DTSC. A description of each waste stream can be found in Appendix E of the Operation Plan.

Attachment XI presents a topographic map of UTC showing the locations of the Storage Facility (2233) and the Storage Magazine (0312). This map also shows the locations of the permitted Surface Impoundments 0250, 0635, and 0706 that were closed in 1991, the Open Burning Facility (0891) that was closed in June 2000, and the Hydrolysis Treatment Facility (0503) that is scheduled to be closed in 2006. Former Surface Impoundments 0250, 0635, and 0706 are under a Post-Closure Permit that was effective on December 4, 2006.

Attachment XII presents facility drawings of the Storage Facility (2233) and the Storage Magazine (0312). Attachment XVIII presents photographs of the Storage Facility (2233) and the Storage Magazine (0312).

SEND COMPLETED FORM TO: The Appropriate State or EPA Regional Office.	United States Environmental Protection Agency RCRA SUBTITLE C SITE IDENTIFICATION FORM		
1. Reason for Submittal (See instructions on page 14.) MARK ALL BOX(ES) THAT APPLY	Reason for Submittal: <input type="checkbox"/> To provide Initial Notification of Regulated Waste Activity (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities) <input type="checkbox"/> To provide Subsequent Notification of Regulated Waste Activity (to update site identification information) <input type="checkbox"/> As a component of a First RCRA Hazardous Waste Part A Permit Application <input checked="" type="checkbox"/> As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment # <u>10</u>) <input type="checkbox"/> As a component of the Hazardous Waste Report		
2. Site EPA ID Number (page 15)	EPA ID Number <div style="border: 1px solid black; padding: 2px; display: inline-block;"> C A D 0 0 1 7 0 5 2 3 5 </div>		
3. Site Name (page 15)	Name: United Technologies Corp.		
4. Site Location Information (page 15)	Street Address: 600 Metcalf Road		
	City, Town, or Village: San Jose	State: California	
	County Name: United States	Zip Code: 95138-9601	
5. Site Land Type (page 15)	Site Land Type: <input checked="" type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other		
6. North American Industry Classification System (NAICS) Code(s) for the Site (page 15)	A. <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 3 3 6 4 1 5 </div>	B. <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 3 3 6 4 1 9 </div>	
	C. <div style="border: 1px solid black; padding: 2px; display: inline-block;"> </div>	D. <div style="border: 1px solid black; padding: 2px; display: inline-block;"> </div>	
7. Site Mailing Address (page 16)	Street or P. O. Box: 600 Metcalf Road		
	City, Town, or Village: San Jose		
	State: California		
	Country: United States	Zip Code: 95138-9601	
8. Site Contact Person (page 16)	First Name: Timothy	MI:	Last Name: Marker
	Phone Number: 408-776-6040 Extension:		Email address: Marker@CSD.com
9. Operator and Legal Owner of the Site (pages 16 and 17)	A. Name of Site's Operator: United Technologies Corp		Date Became Operator (mm/dd/yyyy): 11/18/1959
	Operator Type: <input checked="" type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other		
	B. Name of Site's Legal Owner: United Technologies Corp		Date Became Owner (mm/dd/yyyy): 11/18/1959
	Owner Type: <input checked="" type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Indian <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other		

9. Legal Owner (Continued) Address	Street or P. O. Box: 1 Financial Plaza	
	City, Town, or Village: Hartford	
	State: Connecticut	
	Country: United States	Zip Code: 06101

10. Type of Regulated Waste Activity

Mark "Yes" or "No" for all activities; complete any additional boxes as instructed. (See instructions on pages 18 to 21.)

A. Hazardous Waste Activities

Complete all parts for 1 through 6.

N 1. Generator of Hazardous Waste

If "Yes", choose only one of the following - a, b, or c.

- a. LQG: Greater than 1,000 kg/mo (2,200 lbs./mo.) of non-acute hazardous waste; or
- b. SQG: 100 to 1,000 kg/mo (220 - 2,200 lbs./mo.) of non-acute hazardous waste; or
- c. CESQG: Less than 100 kg/mo (220 lbs./mo.) of non-acute hazardous waste

In addition, indicate other generator activities.

- N d. United States Importer of Hazardous Waste
- N e. Mixed Waste (hazardous and radioactive) Generator

N 2. Transporter of Hazardous Waste

N 3. Treater, Storer, or Disposer of Hazardous Waste (at your site) Note: A hazardous waste permit is required for this activity.

N 4. Recycler of Hazardous-Waste (at your site)

N 5. Exempt Boiler and/or Industrial Furnace

If "Yes", mark each that applies.

- a. Small Quantity On-site Burner Exemption
- b. Smelting, Melting, and Refining Furnace Exemption

N 6. Underground Injection Control

B. Universal Waste Activities

N 1. Large Quantity Handler of Universal Waste (accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste generated and/or accumulated at your site. If "Yes", mark all boxes that apply:

	<u>Generate</u>	<u>Accumulate</u>
a. Batteries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
b. Pesticides	<input type="checkbox"/>	<input type="checkbox"/>
c. Thermostats	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
d. Lamps	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
e. Other (specify) <u>CRTs</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
f. Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>
g. Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>

N 2. Destination Facility for Universal Waste

Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities

Mark all boxes that apply.

N 1. Used Oil Transporter
If "Yes", mark each that applies.

- a. Transporter
- b. Transfer Facility

N 2. Used Oil Processor and/or Re-refiner
If "Yes", mark each that applies.

- a. Processor
- b. Re-refiner

N 3. Off-Specification Used Oil Burner

N 4. Used Oil Fuel Marketer
If "Yes", mark each that applies.

- 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

11A. Additional Waste Codes for Federally Regulated Hazardous Wastes						
D036	D038	D039	D040	D043	F001	F002
F003	F004	F005	F006	F007	F008	F009
F039	P012	P015	P021	P022	P030	P077
P081	P087	P098	P105	U001	U002	U003
U004	U006	U008	U009	U012	U019	U021
U022	U031	U037	U041	U044	U056	U075
U076	U077	U078	U080	U098	U108	U112
U116	U117	U121	U122	U123	U128	U132
U133	U134	U140	U147	U151	U154	U159
U160	U161	U162	U165	U168	U169	U188
U190	U196	U207	U210	U211	U213	U219
U220	U223	U225	U226	U228	U234	U238
U239	U328	U353	U359			

11B. Additional Waste Codes for State-Regulated Hazardous Wastes						
0271	0272	0281	0291	0322	0331	0341
0342	0343	0351	0352	0461	0491	0512
0513	0514	0541	0551	0561	0571	0611
0711	0723	0725	0731	0741	0751	0791
0792						

United States Environmental Protection Agency
HAZARDOUS WASTE PERMIT INFORMATION FORM

1. Facility Permit Contact (See instructions on page 23)	First Name: Timothy	MI:	Last Name: Marker											
	Phone Number: 408-776-6040		Phone Number Extension:											
2. Facility Permit Contact Mailing Address (See instructions on page 23)	Street or P.O. Box: 600 Metcalf Road													
	City, Town, or Village: San Jose													
	State: California													
	Country: United States		Zip Code: 95138-9601											
3. Operator Mailing Address and Telephone Number (See instructions on page 23)	Street or P.O. Box: 600 Metcalf Road													
	City, Town, or Village: San Jose													
	State: California													
	Country: United States		Zip Code: 95138-9601	Phone Number: 408-776-6000										
4. Legal Owner Mailing Address and Telephone Number (See instructions on page 23)	Street or P.O. Box: United Technologies Building													
	City, Town, or Village: Hartford													
	State: Conneticut													
	Country: United States		Zip Code: 06101	Phone Number: 203-726-7000										
5. Facility Existence Date (See instructions on page 24)	Facility Existence Date (mm/dd/yyyy): 11/18/1959													
6. Other Environmental Permits (See instructions on page 24)														
A. Permit Type (Enter code)	B. Permit Number			C. Description										
E	1	3	1	9	S									C.E.S.W. Ag Recov. Unit (Ag only)
E	2	2	3	3	D	C								C.E.S.W. St. 2233 Drum Crush Unit
E	1	7	3	.	2	0	4	4						Santa Clara Co. Land Use Permit
P	7	1	0											BAAQMD Permit to Operate
N	9	5	-	1	9	0								RWQCB Waste Disch. Requirements
7. Nature of Business (Provide a brief description; see instructions on page 24)														
<p>United Technologies Corporation, Pratt & Whitney Rocketdyne, San Jose is decommissioning its solid rocket motor development, manufacturing and testing facilities. There is also ongoing soil and groundwater remediation.</p>														

EPA ID NO: CAD 001 705 235

6. Additional Environmental Permits		
A. Permit Type	B. Permit Number	C. Description
E	Various	Santa Clara Co. Haz. Mat. Storage
E	CAD 001 705 235	DTSC Haz. Waste Facility Permit
N	CAS 000001	SWRCB Storm Water General Permit
E	29283S	CWA Section 404 under ACOE NW 38 with Section 401 Water Quality Certification from RWQCB.

Process Codes and Design Capacities (See instructions on page 24) - Enter information in the Sections on Form Page 3.

A. PROCESS CODE - Enter the code from the list of process codes in the table below that best describes each process to be used at the facility. Fifteen lines are provided for entering codes. 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), enter the process information in Item 9 (including a description).

B. PROCESS DESIGN CAPACITY- For each code entered in Section 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 Section B(1), enter the code in Section 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 UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
D79	<u>Disposal:</u> Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day; or Liters Per Day	T81	<u>Treatment (continued):</u> Cement Kiln	For T81-T93:
D80	Landfill	Acre-feet; Hectare-meter; Acres; Cubic Meters; Hectares; Cubic Yards	T82	Lime Kiln	
D81	Land Treatment	Acres or Hectares	T83	Aggregate 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
D82	Ocean Disposal	Gallons Per Day or Liters Per Day	T84	Phosphate Kiln	
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards	T85	Coke Oven	
D99	Other Disposal	Any Unit of Measure in Code Table Below	T86	Blast Furnace	
S01	<u>Storage:</u> Container	Gallons; Liters; Cubic Meters; or Cubic Yards	T87	Smelting, Melting, or Refining Furnace	Hour; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T88	Titanium Dioxide Chloride Oxidation Reactor	
S03	Waste Pile	Cubic Yards or Cubic Meters	T89	Methane Reforming Furnace	
S04	Surface Impoundment Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T90	Pulping Liquor Recovery Furnace	
S05	Drip Pad	Gallons; Liters; Acres; Cubic Meters; Hectares; or Cubic Yards	T91	Combustion Device Used In The Recovery Of Sulfur Values From Spent Sulfuric Acid	
S06	Containment Building Storage	Cubic Yards or Cubic Meters	T92	Halogen Acid Furnaces	
S99	Other Storage	Any Unit of Measure in Code Table Below	T93	Other Industrial Furnaces Listed In 40 CFR §260.10	
T01	<u>Treatment:</u> Tank Treatment	Gallons Per Day; Liters Per Day	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
T02	Surface Impoundment Treatment	Gallons Per Day; Liters Per Day	X01	<u>Miscellaneous (Subpart X):</u> Open Burning/Open Detonation	Any Unit of Measure in Code Table Below
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour	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
T04	Other Treatment	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; Gallons Per Day; Liters Per Hour; or Million Btu Per Hour	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
T80	Boiler	Gallons; Liters; Gallons Per Hour; Liters Per Hour; 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	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
Gallons.....	G	Short Tons Per Hour.....	D	Cubic Yards.....	Y
Gallons Per Hour.....	E	Metric Tons Per Hour.....	W	Cubic Meters.....	C
Gallons Per Day.....	U	Short Tons Per Day.....	N	Acres.....	B
Liters.....	L	Metric Tons Per Day.....	S	Acre-feet.....	A
Liters Per Hour.....	H	Pounds Per Hour.....	J	Hectares.....	Q
Liters Per Day.....	V	Kilograms Per Hour.....	R	Hectare-meter.....	F
		Million Btu Per Hour.....	X	Btu Per Hour.....	I

Process Codes and Design Capacities (Continued)

EXAMPLE FOR COMPLETING Item 8 (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		C. Process Total Number of Units	For Official Use Only				
				(1) Amount (Specify)	(2) Unit of Measure (Enter code)						
X 1	S	0	2	5 3 3 . 7 8 8	G	0 0 1					
1	S	0	1	(2233) 23760	G	0 0 1					
2	S	0	1	(2233) 200	Y	0 0 1					
3	S	0	1	(0312) 3960*	G	0 0 3					
4				.							
5				*1,320 gallons per unit .							
6				.							
7				.							
8				.							
9				.							
1 0				.							
1 1				.							
1 2				.							
1 3				.							
1 4				.							
1 5				.							

NOTE: If you need to list more than 15 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in Item 9.

9. Other Processes (See instructions on page 25 and follow instructions from Item 8 for D99, S99, T04 and X99 process codes)

Line Number (Enter #s in sequence with Item 8)	A. Process Code (From list above)			B. PROCESS DESIGN CAPACITY		C. Process Total Number of Units	D. Description of Process
				(1) Amount (Specify)	(2) Unit of Measure (Enter code)		
X 2	T	0	4	1 0 0 . 0 0 0	U	0 0 1	In-situ Vitrification
1	T	0	4	(site) 0.800**	N	0 0 1	Desensitization Treatment (**0.8 ton/day
				.			of propellant
				.			to 1.6 ton/day
				.			of rags/debris)
				.			
				.			
				.			
				.			
				.			
				.			

10 Description of Hazardous Wastes (See instructions on page 25) - 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 Section A, estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in Section 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 Section 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 Section A, select the code(s) from the list of process codes contained in Items 8A and 9A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the listed hazardous wastes.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in Section A, select the code(s) from the list of process codes contained in Items 8A and 9A 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 10.D(1).
 3. Use additional sheet, enter line number from previous sheet, and enter additional code(s) in Item 10.E.
2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in Item 10.D(2) or in Item 10.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 Section A. On the same line complete Sections B, C and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In Section A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In Section 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 10 (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 Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES																
	(1) PROCESS CODES (Enter code)										(2) PROCESS DESCRIPTION- (If a code is not entered in 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

10. Description of Hazardous Wastes (Continued. Use this Additional Sheet(s) as necessary; number as 5 a, etc.)												
Line Number	A. EPA Hazardous Waste No. (Enter code)				B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	E. PROCESSES					(2) PROCESS DESCRIPTION (If a code is not entered in E(1))
	(1) PROCESS CODES (Enter code)											
4	0	D	0	0	1	633	T	S	0	1		
		D	0	0	2	44	T	S	0	1		
		D	0	0	3	106	T	S	0	1		
		D	0	0	4	11	T	S	0	1		
		D	0	0	5	12	T	S	0	1		
		D	0	0	6	29	T	S	0	1		
		D	0	0	7	26	T	S	0	1		
		D	0	0	8	387	T	S	0	1		
		D	0	0	9	11	T	S	0	1		
		D	0	1	0	8.5	T	S	0	1		
		D	0	1	1	19	T	S	0	1		
		D	0	1	8	0.3	T	S	0	1		
		D	0	1	9	16	T	S	0	1		
		D	0	2	1	3.6	T	S	0	1		
		D	0	2	2	21	T	S	0	1		
		D	0	2	5	7.4	T	S	0	1		
		D	0	2	8	0.3	T	S	0	1		
		D	0	2	9	12	T	S	0	1		
		D	0	3	3	0.3	T	S	0	1		
		D	0	3	4	0.3	T	S	0	1		
		D	0	3	5	46	T	S	0	1		
		D	0	3	6	0.3	T	S	0	1		
		D	0	3	8	0.5	T	S	0	1		
		D	0	3	9	0.3	T	S	0	1		
		D	0	4	0	0.3	T	S	0	1		
		D	0	4	3	0.3	T	S	0	1		
		F	0	0	1	13	T	S	0	1		
		F	0	0	2	590	T	S	0	1		
		F	0	0	3	602	T	S	0	1		
		F	0	0	4	500	T	S	0	1		
		F	0	0	5	551	T	S	0	1		
		F	0	0	6	0.3	T	S	0	1		
		F	0	0	7	0.3	T	S	0	1		
		F	0	0	8	0.3	T	S	0	1		
		F	0	0	9	0.3	T	S	0	1		
		F	0	3	9	0.3	T	S	0	1		
		P	0	1	2	0.3	T	S	0	1		
		P	0	1	5	0.3	T	S	0	1		
		P	0	2	1	0.3	T	S	0	1		

10. Description of Hazardous Wastes (Continued. Use this Additional Sheet(s) as necessary; number as 5 a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)			B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	E. PROCESSES				(2) PROCESS DESCRIPTION (If a code is not entered in E(1))	
						(1) PROCESS CODES (Enter code)					
4	0	P	0 2 2	4.6	T	S	0	1			
4	1	P	0 3 0	0.3	T	S	0	1			
4	2	P	0 7 7	0.3	T	S	0	1			
4	3	P	0 8 1	4.4	T	S	0	1			
4	4	P	0 8 7	0.3	T	S	0	1			
4	5	P	0 9 8	0.3	T	S	0	1			
4	6	P	1 0 5	1.3	T	S	0	1			
4	7	U	0 0 1	0.3	T	S	0	1			
4	8	U	0 0 2	0.3	T	S	0	1			
4	9	U	0 0 3	0.3	T	S	0	1			
5	0	U	0 0 4	0.3	T	S	0	1			
5	1	U	0 0 6	0.3	T	S	0	1			
5	2	U	0 0 8	0.3	T	S	0	1			
5	3	U	0 0 9	0.3	T	S	0	1			
5	4	U	0 1 2	0.3	T	S	0	1			
5	5	U	0 1 9	0.3	T	S	0	1			
5	6	U	0 2 1	0.3	T	S	0	1			
5	7	U	0 2 2	0.3	T	S	0	1			
5	8	U	0 3 1	0.3	T	S	0	1			
5	9	U	0 3 7	0.3	T	S	0	1			
6	0	U	0 4 1	0.3	T	S	0	1			
6	1	U	0 4 4	0.3	T	S	0	1			
6	2	U	0 5 6	0.3	T	S	0	1			
6	3	U	0 7 5	0.3	T	S	0	1			
6	4	U	0 7 6	0.3	T	S	0	1			
6	5	U	0 7 7	0.3	T	S	0	1			
6	6	U	0 7 8	0.3	T	S	0	1			
6	7	U	0 8 0	0.3	T	S	0	1			
6	8	U	0 9 8	0.3	T	S	0	1			
6	9	U	1 0 8	0.3	T	S	0	1			
7	0	U	1 1 2	0.3	T	S	0	1			
7	1	U	1 1 6	0.3	T	S	0	1			
7	2	U	1 1 7	0.3	T	S	0	1			
7	3	U	1 2 1	0.3	T	S	0	1			
7	4	U	1 2 2	0.3	T	S	0	1			
7	5	U	1 2 3	0.3	T	S	0	1			
7	6	U	1 2 8	0.3	T	S	0	1			
7	7	U	1 3 2	0.3	T	S	0	1			
7	8	U	1 3 3	0.3	T	S	0	1			

10. Description of Hazardous Wastes (Continued. Use this Additional Sheet(s) as necessary; number as 5 a, etc.)

Line Number	A. EPA Hazardous Waste No. (Enter code)			B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	E. PROCESSES			(2) PROCESS DESCRIPTION (If a code is not entered in E(1))
	4x	0x				(1) PROCESS CODES (Enter code)			
7	9	U	1 3 4	0.3	T	S	0	1	
8	0	U	1 4 0	0.3	T	S	0	1	
8	1	U	1 4 7	0.3	T	S	0	1	
8	2	U	1 5 1	0.3	T	S	0	1	
8	3	U	1 5 4	0.3	T	S	0	1	
8	4	U	1 5 9	0.3	T	S	0	1	
8	5	U	1 6 0	0.3	T	S	0	1	
8	6	U	1 6 1	0.3	T	S	0	1	
8	7	U	1 6 2	0.3	T	S	0	1	
8	8	U	1 6 5	0.3	T	S	0	1	
8	9	U	1 6 8	0.3	T	S	0	1	
9	0	U	1 6 9	0.3	T	S	0	1	
9	1	U	1 8 8	0.3	T	S	0	1	
9	2	U	1 9 0	0.3	T	S	0	1	
9	3	U	1 9 6	0.3	T	S	0	1	
9	4	U	2 0 7	0.3	T	S	0	1	
9	5	U	2 1 0	0.3	T	S	0	1	
9	6	U	2 1 1	0.3	T	S	0	1	
9	7	U	2 1 3	0.3	T	S	0	1	
9	8	U	2 1 9	0.3	T	S	0	1	
9	9	U	2 2 0	0.3	T	S	0	1	
10	0	U	2 2 3	0.3	T	S	0	1	
10	1	U	2 2 5	0.3	T	S	0	1	
10	2	U	2 2 6	0.8	T	S	0	1	
10	3	U	2 2 8	0.3	T	S	0	1	
10	4	U	2 3 4	0.3	T	S	0	1	
10	5	U	2 3 8	0.3	T	S	0	1	
10	6	U	2 3 9	0.3	T	S	0	1	
10	7	U	3 2 8	0.3	T	S	0	1	
10	8	U	3 5 3	0.3	T	S	0	1	
10	9	U	3 5 9	0.3	T	S	0	1	
11	0	-	1 2 1	29	T	S	0	1	
11	1	-	1 2 2	14	T	S	0	1	
11	2	-	1 2 3	29	T	S	0	1	
11	3	-	1 3 1	545	T	S	0	1	
11	4	-	1 3 2	7.2	T	S	0	1	
11	5	-	1 3 3	33	T	S	0	1	
11	6	-	1 3 4	76	T	S	0	1	

10. Description of Hazardous Wastes (Continued. Use this Additional Sheet(s) as necessary; number as 5 a, etc.)												
Line Number	A. EPA Hazardous Waste No. (Enter code)			B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	E. PROCESSES					(2) PROCESS DESCRIPTION (If a code is not entered in E(1))	
						(1) PROCESS CODES (Enter code)						
11	7	-	1 3 5	47	T	S	0	1				
11	8	-	1 4 1	41	T	S	0	1				
11	9	-	1 5 1	206	T	S	0	1				
12	0	-	1 7 1	7.4	T	S	0	1				
12	1	-	1 7 2	2.5	T	S	0	1				
12	2	-	1 8 1	659	T	S	0	1				
12	3	-	2 1 1	21	T	S	0	1				
12	4	-	2 1 2	7.7	T	S	0	1				
12	5	-	2 1 3	3.3	T	S	0	1				
12	6	-	2 1 4	16	T	S	0	1				
12	7	-	2 2 1	92	T	S	0	1				
12	8	-	2 2 3	344	T	S	0	1				
12	9	-	2 3 2	0.3	T	S	0	1				
13	0	-	2 6 1	507	T	S	0	1				
13	1	-	2 7 1	2.5	T	S	0	1				
13	2	-	2 7 2	59	T	S	0	1				
13	3	-	2 8 1	0.3	T	S	0	1				
13	4	-	2 9 1	0.3	T	S	0	1				
13	5	-	3 2 2	1.3	T	S	0	1				
13	6	-	3 3 1	128	T	S	0	1				
13	7	-	3 4 1	27	T	S	0	1				
13	8	-	3 4 2	4.7	T	S	0	1				
13	9	-	3 4 3	181	T	S	0	1				
14	0	-	3 5 1	26000	T	S	0	1				
14	1	-	3 5 2	576	T	S	0	1				
14	2	-	4 6 1	5.3	T	S	0	1				
14	3	-	4 9 1	37	T	S	0	1				
14	4	-	5 1 2	25	T	S	0	1				
14	5	-	5 1 3	27	T	S	0	1				
14	6	-	5 1 4	0.3	T	S	0	1				
14	7	-	5 4 1	9.8	T	S	0	1				
14	8	-	5 5 1	135	T	S	0	1				
14	9	-	5 6 1	4.3	T	S	0	1				
15	0	-	5 7 1	0.4	T	S	0	1				
15	1	-	6 1 1	26000	T	S	0	1				
15	2	-	7 1 1	0.3	T	S	0	1				
15	3	-	7 2 3	1	T	S	0	1				
15	4	-	7 2 5	2.7	T	S	0	1				

11. Map (See instructions on pages 25 and 26)
Attach to this application a topographic 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 and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.

12. Facility Drawing (See instructions on page 26)
All existing facilities must include a scale drawing of the facility (see instructions for more detail).

13. Photographs (See instructions on page 26)
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).

14. Comments (See instructions on page 26)

Attachment XI presents a topographic map of UTC that includes the Storage Facility (2233), Storage Magazine (0312), closed Hydrolysis Treatment Facility (0503), closed Open Burning Facility (0891) and closed Surface Impoundments 0250, 0635 and 0706. Attachment XII presents facility drawings for the Storage Facility (2233) and the Storage Magazine (0312). Attachment XIII presents photographs of the Storage Facility (2233) and Storage Magazine (0312).

[Empty lined area for additional comments]

Attachment XI

**Topographic Map of UTC
Showing the Storage Facility (2233),
Storage Magazine (0312),
Closed Hydrolysis Treatment Facility (0503),
Closed Open Burning Facility (0891), and Closed
Surface Impoundments (0250, 0635, and 0706)**

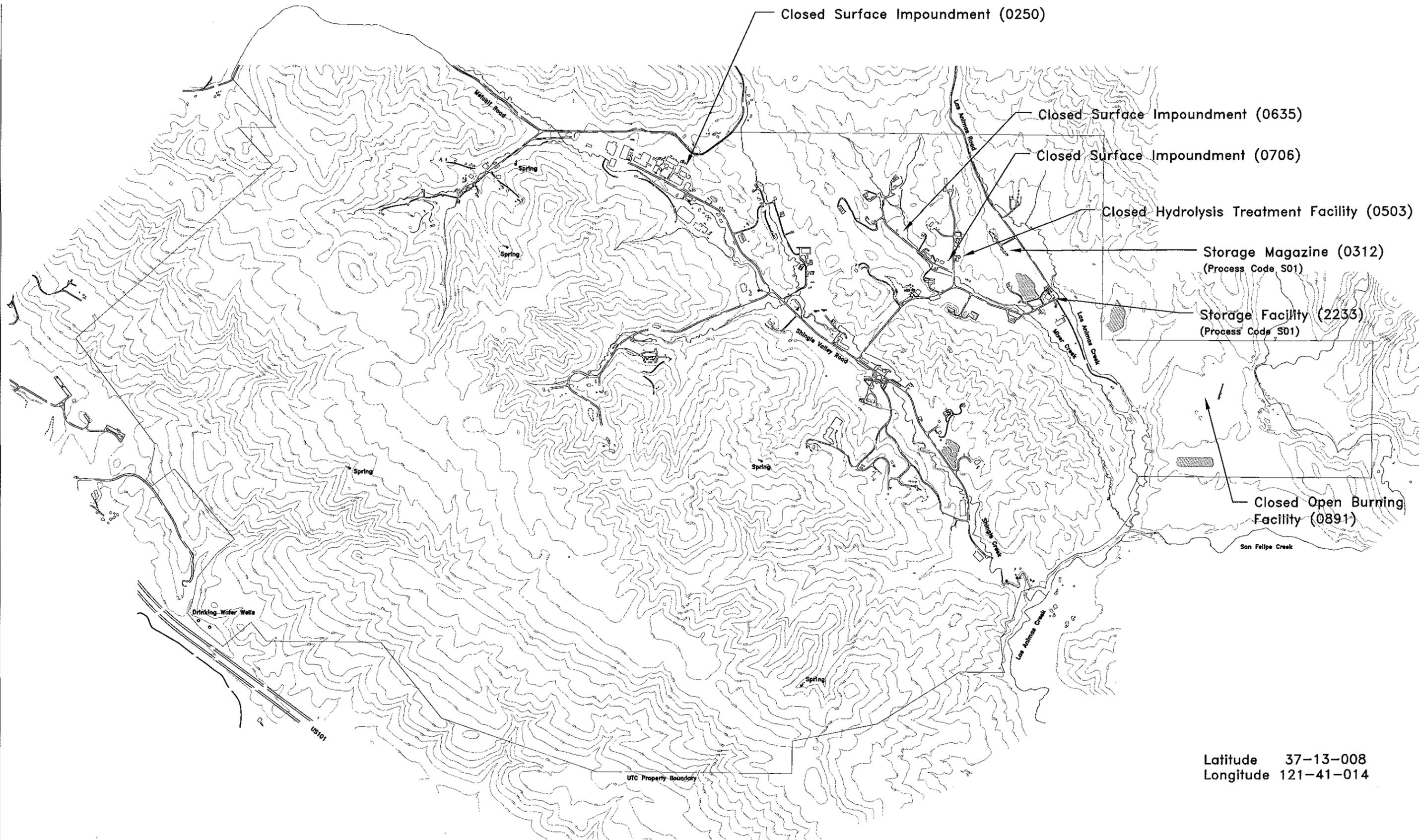


Figure XI-1
 Topographic Map of UTC Facility Showing Storage Facility (2233), Storage Magazine (0312), Closed Hydrolysis Treatment Facility (0503), Closed Open Burning Facility (0891), and Closed Surface Impoundments 0250, 0635 and 0706

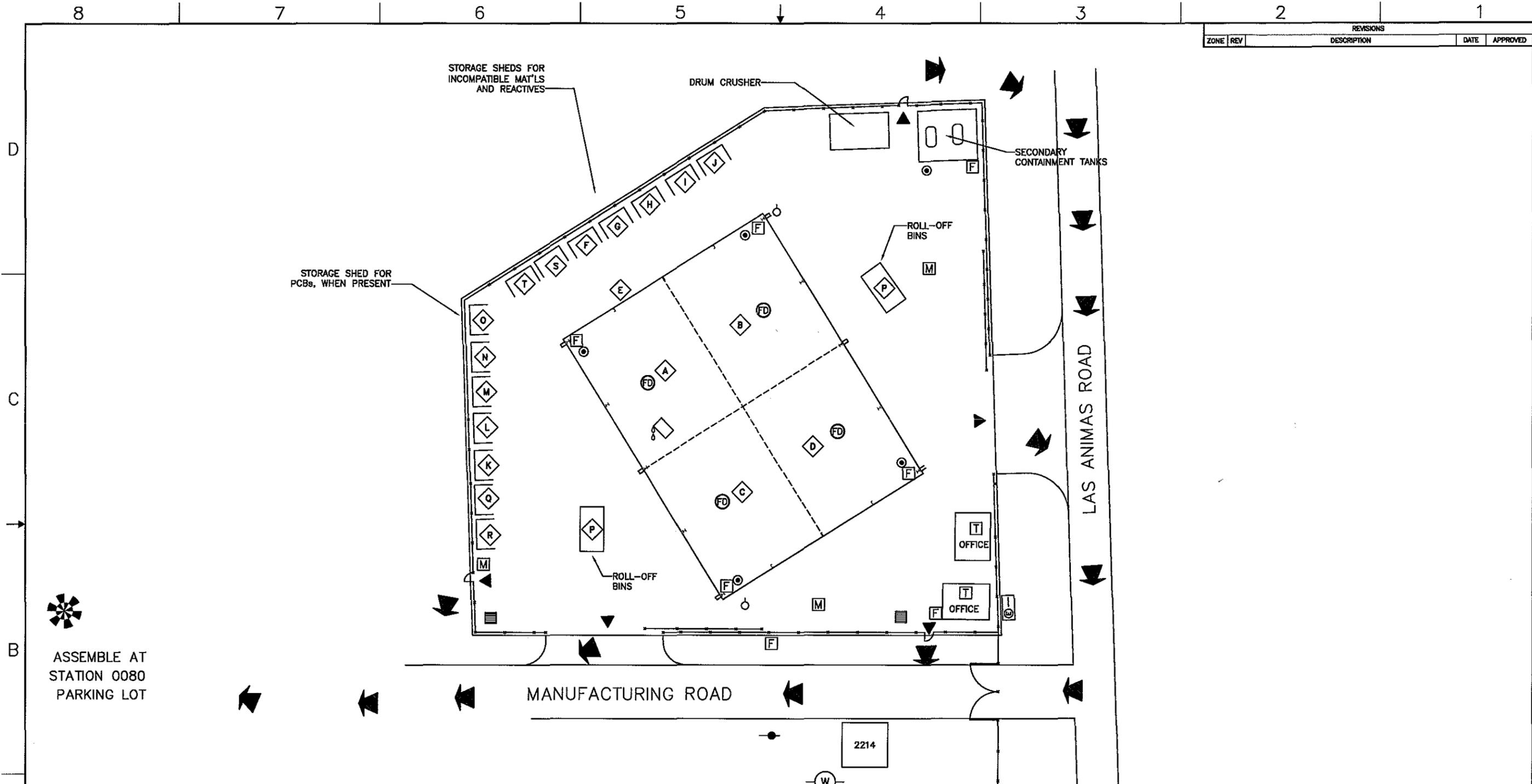


0 1000 2000
 Scale (ft)
 Contour Interval = 50ft

Attachment XII

**Facility Drawings of the Storage Facility (2233)
and the Storage Magazine (0312)**

ZONE		REV	DESCRIPTION	DATE	APPROVED



ASSEMBLE AT
STATION 0080
PARKING LOT

LEGEND

		<small>NOTE: LETTER DESIGNATION IS REFERENCE TO ENVIRONMENTAL INVENTORY LIST</small>

QUALITY:	DATE:	DRAWN BY:	DATE:		SAN JOSE, CALIFORNIA 95138
OPERATIONS:	DATE:	FR: Capp	2/1/96		
PROGRAM:	DATE:	CHECKED BY:	DATE:	FACILITIES DEPARTMENT	
ESD:	DATE:	DES/FAO ENGR:	DATE:	STATION 2233	
APPROVED:	DATE:	CLIENT ORG:	DATE:	HAZARDOUS WASTE	
APPROVED:	DATE:	RELEASE APPROVAL:	DATE:	STORAGE FACILITY	
<small>ALL INFORMATION CONTAINED HEREON IS THE PROPERTY OF UNITED TECHNOLOGIES CSD AND IS CONSIDERED PROPRIETARY AND SUBJECT TO RETURN UPON DEMAND. ACCEPTANCE AND RETENTION HEREOF SIGNIFIES AGREEMENT BY THE RECIPIENT THAT THE INFORMATION WILL NOT BE DISCLOSED TO OTHERS NOR USED CONTRARY TO THE INTERESTS OF UNITED TECHNOLOGIES CSD WITHOUT PRIOR WRITTEN PERMISSION.</small>					
SIZE:	CAGE CODE:	DRAWING / PART NO.:	REV.:		
D	14134	2233L101	C		
SCALE:	GAP FILE:	SHEET 1 OF 1			
1/16"=1'	Part A B 2233 Map.dwg				

File: L101M01 Date/Time: June 13, 1996 9:53 a.m. Scale: 1=152 Sheet: 1 of 1

2233L101

C

B

2233L101

1

EVAC ASSY POINT ©
GUARD HOUSE

TO LAS ANIMAS ROAD

STATION 0312
(EARTH-COVERED MAGAZINES)

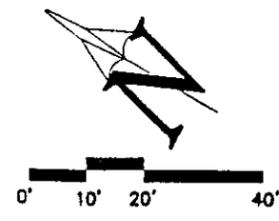
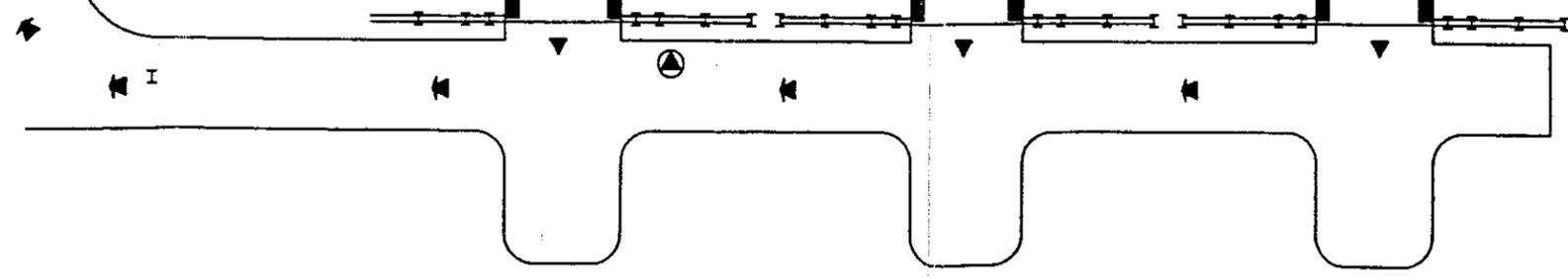
STA. 0312A

STA. 0312B

STA. 0312C

LEGEND

⊗ FIRE PROTECTION SPRINKLER RISER	⊙ FIRE EXTINGUISHER	▣ HVAC DROP	⊕ EYEWASH / SHOWER
◇ FIRE PROTECTION DELUGE RISER	⊙ F FIRE ALARM ON SPRINKLER RISER	⚠ TANK MONITOR ALARM	⊕ SPILL KIT
⊠ FIRE SPRINKLER	⊙ EVACUATION ALARM MUSHROOM BUTTON	⊙ DOMESTIC WATER SUPPLY SHUTOFF	⊕ FIRST AID MEDICAL EQUIPMENT
⊠ FAC FIRE ALARM PANEL	⊠ EVAC ALARM RESET	⊠ ELECTRICAL SHUTOFF	⊠ PROTECTIVE EQUIPMENT STORAGE
⊠ PW POST INDICATOR VALVE	⊠ EVAC ASSEMBLY AREA	⊠ ELECTRICAL PANEL	⊠ ABOVE GROUND STORAGE TANK
⊠ W WET BARREL HYDRANT	⊠ EVACUATION ROUTE	⊠ GS GAS SHUTOFF	⊠ UNDERGROUND (UST) STORAGE TANK
⊠ D DRY-BARREL HYDRANT	⊠ EXITS	⊠ FTS FUEL TANK SHUTOFF	⊠ HAZMAT STORAGE NOTE: LETTER DESIGNATION IS REFERENCE TO ENVIRONMENTAL INVENTORY LIST
⊠ WH WHARF HYDRANT	⊠ FLUME HOOD	⊠ N2 NITROGEN GAS SHUTOFF	⊠ PWS PROPELLENT WASTE STORAGE
FIRE DEPT CONNECTIONS			
⊠ K ^A AUTOMATIC SPRINKLERS	⊠ MONITORING WELL	⊠ LPS PROPANE SHUTOFF	⊠ FLAMMABLE STORAGE
⊠ K ^C COMBINATION SYSTEM	⊠ STORM / SEWER DRAIN	⊠ VPS VACUUM PUMP SHUTOFF	⊠ NON-HAZARDOUS STORAGE
⊠ K ^D DRY STANDPIPE	⊠ EMERGENCY TELEPHONE	⊠ ROOF HATCH/ACCESS	⊠ EQUIP UTILITY ROOM
⊠ K ^H HORIZ WET STANDPIPE	⊠ CEILING HATCH	⊠ NFG NON-FLAMMABLE GAS	⊠ PAINT BOOTH



QUALITY:	DATE:	DRAWN BY:	DATE:
OPERATIONS:	DATE:	CHECKED BY:	DATE:
PROGRAM:	DATE:	DES/FAC ENGR:	DATE:
ESR:	DATE:	SAFETY:	DATE:
APPROVED:	DATE:	CLIENT DRG:	DATE:
APPROVED:	DATE:	RELEASE APPROVAL:	DATE:

UNITED TECHNOLOGIES CHEMICAL SYSTEMS
SAN JOSE, CALIFORNIA 95138

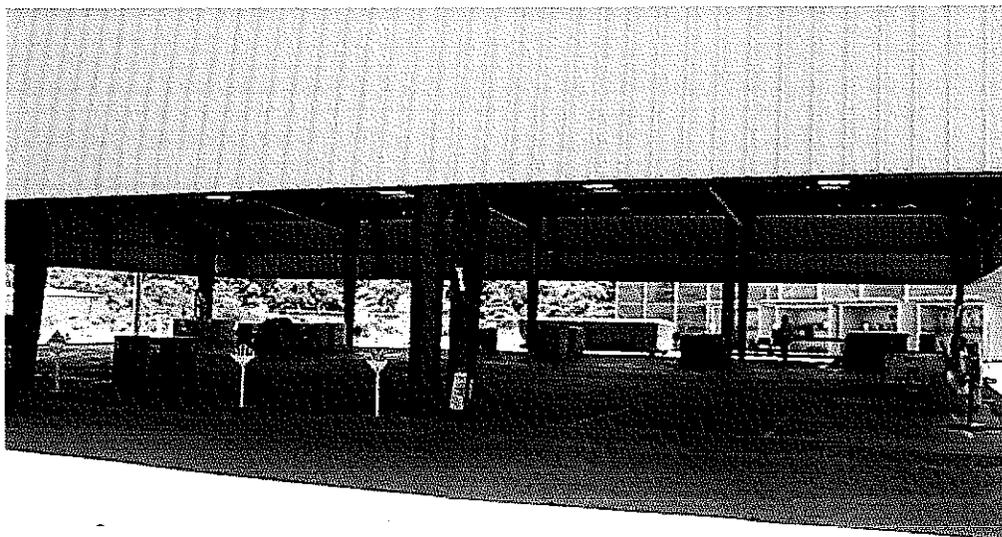
FACILITIES DEPARTMENT

**Station 0312
Storage Magazines**

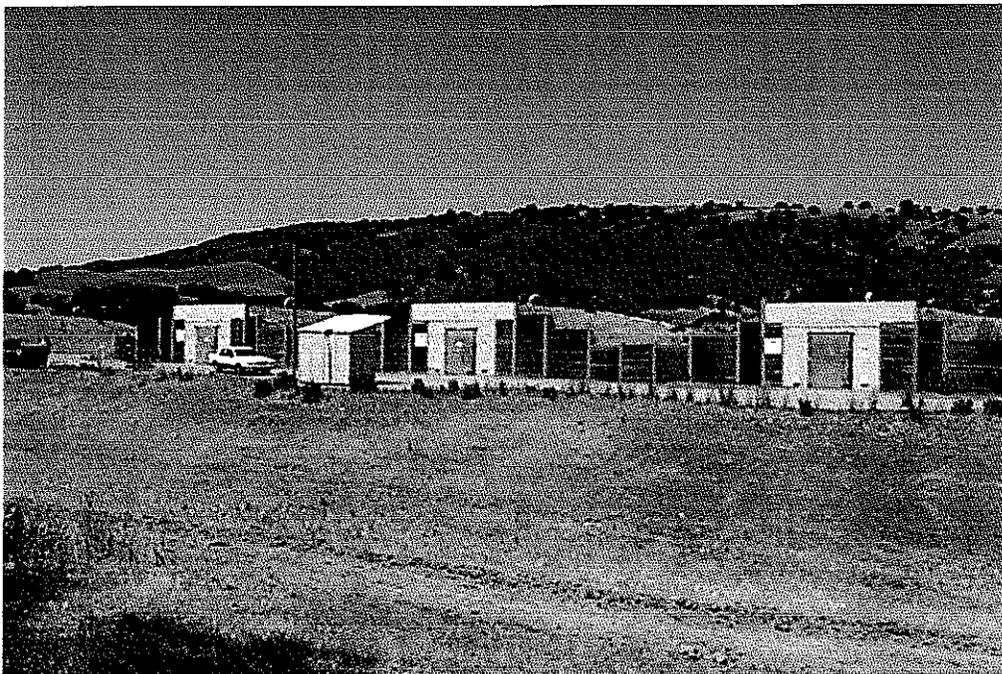
ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF UNITED TECHNOLOGIES CSO AND IS CONSIDERED PROPRIETARY AND SUBJECT TO RETURN UPON DEMAND. ACCEPTANCE AND RETENTION HEREOF SIGNIFIES AGREEMENT BY THE RECIPIENT THAT THE INFORMATION WILL NOT BE DISCLOSED TO OTHERS NOR USED			
SIZE	CAGE CODE	DRAWING / PART NO.	REV.
D	14134		B

Attachment XIII

**Photographs of the Storage Facility (2233)
and the Storage Magazine (0312)**



Photograph #1: Storage Facility (2233)



Photograph #2: Storage Magazine (0312)

CEQA

Appendix H

APPENDIX H

Answers to all sections of CEQA Appendix H are provided as follows:

Date Filed: May 2006

General Information

1. Name and address of developer or project sponsor:
United Technologies Corporation, Pratt and Whitney Rocketdyne, San Jose (CAD 001705235)

2. Address of project: 600 Metcalf Road, San Jose, CA 95138-9601
Assessor's Block and Lot Number:

627-11-009	627-12-016	627-13-004	627-14-011	729-53-004
627-11-013	627-13-001	627-13-005	729-53-001	729-54-002
627-11-014	627-13-002	627-13-006	729-53-002	729-54-003
627-11-015	627-13-003	627-13-007	729-53-003	729-54-004

3. Name, address, and telephone number of person to be contacted concerning this project:

Timothy Marker
Environmental Manager
600 Metcalf Road
San Jose, CA 95138-9601
(408) 776-6040

4. Indicate number of the permit application for the project to which this form pertains: 10

5. List and describe any other related permits and other public approvals required for this project, including those required by city, regional, state, and federal agencies:

RCRA Parts A and B
Department of Toxic Substances Control

6. Existing zoning district: Agricultural (Industrial Use Permit)

7. Proposed use of site ("Site" refers to project for which this form is filled): The Storage Facility (2233) is used for up to one year storage of waste. The Storage Magazine (0312) is used for up to one year storage of explosive waste (ignitable and reactive wastes).

Project Description

8. Site size: The Storage Facility (2233) consists of a cyclone-fenced area that is 9,632 square feet, a pad that is 80 feet X 100 feet, and fourteen small storage sheds. The Storage Magazine (0312) consists of three separate units, each unit is approximately 13 feet wide, 24 feet long, and about 9 feet high.
9. Square footage: The Storage Facility (2233) is 9,632 square feet. The Storage Magazine (0312) is a total of 936 square feet.
10. Number of floors of construction: All are one floor.
11. Amount of off-street parking provided: Not applicable
12. Attach plans: See permit application package
13. Proposed scheduling: DTSC Permit expires on June 20, 2007.
14. Associated project: Closed Hydrolysis Waste Treatment Facility (0503), closed Open Burning Facility (0891), and closed Surface Impoundments 0250, 0635, and 0706.
15. Anticipated incremental development: Not applicable
16. If residential, etc.: Not applicable
17. If commercial, etc.: Not applicable
18. If industrial, indicate type, estimated employment per shift, and loading facilities: Manufacturing, two employees per shift.
19. If institutional, etc.: Not applicable
20. If the project involves a variance, conditional use or rezoning application, state this and indicate clearly why the application is required: Not applicable

Are the following items applicable to the project or its effects? Discuss below all items answered YES.

21. Change in existing features of any bays, tidelands, beaches, or hills, or substantial alteration of ground contours: No.
22. Change in scenic views or vistas from existing residential areas or public lands or roads: No.
23. Change in pattern, scale or character or general area of project: No.
24. Significant amounts of solid waste or litter: No. The major portion of decommissioning wastes will not go through the RCRA storage units.
25. Change in dust, ash, smoke, fumes or odors in vicinity: No.
26. Change in ocean, bay, lake, stream or ground water quality or quantity, or alteration of existing noise or vibration levels in the vicinity: No.

27. Substantial change in existing noise or vibration levels in the vicinity: No.
28. Site on filled land or on slopes of 10 percent or more: No.
29. Use or disposal of potentially hazardous materials, such as toxic substances, flammables or explosives: **YES**.

The Storage Magazine (0312) is an up to one year storage for explosive waste (ignitable and reactive wastes).

30. Substantial change in demand for municipal services (police, fire, water, sewage, etc.): No.
31. Substantially increase fossil fuel consumption (electricity, oil, natural gas, etc.): No.
32. Relationship to a larger project or series of projects: **YES**.

The Storage Facility (2233) and Storage Magazine (0312) are up to one year storage for wastes. Both facilities will support the decommissioning of the site buildings and structures, although the major portion of decommissioning wastes will not go through the RCRA storage units.

Environmental Setting

33. Describe the project site as it exists before the project, including information on topography, soil stability, plants and animals, and any cultural, historical or scenic aspects. Describe any existing structures on the site, and the use of the structures. Attach photographs of the site. Snapshots or Polaroid photos will be accepted.

The United Technologies Corporation, Pratt & Whitney Rocketdyne San Jose facility (UTC) encompasses 5,113 acre in the Santa Clara County foothills and is approximately 14 miles southeast of downtown San Jose. UTC is not located on tribal lands.

The terrain at UTC is moderate to steeply sloping with elevations ranging from about 680 feet to over 1,400 feet above mean sea level. The site topography is dominated by rounded, prominent hills and ridges with moderately steep hillsides having gradients up to 2.5 to 1, horizontal to vertical.

UTC is located in Uniform Building Codes designated seismic Zone 4. This is a seismically active region, near or traversed by the Calaveras Fault, the Silver Creek Fault, the Metcalf Fault, and the smaller Animas and Quimby Faults. Therefore, ground shaking is to be expected in the event of seismic activity on one of the major faults.

The Storage Facility (2233) consists of an 80-foot by 100-foot reinforced concrete slab covered by a pre-fabricated steel weather cover (Butler building). The concrete slab is coated with an impervious chemically-resistant coating to contain potential leaks, spills, or accumulated precipitation. The concrete slab drains to two secondary containment tanks located in the northern corner of the facility. Self-contained storage sheds are also used for storage of smaller quantities of hazardous waste and are located adjacent to the concrete slab.

The Storage Magazine (0312) consists of three separate prefabricated steel and concrete units under an earthen mound. The units have a pipe on the ceiling that provides ventilation and each unit has a single door. The earthen mound is designed to drain precipitation away from the units. The units are watertight and each was installed as a complete prefabricated unit in 1984. The Storage Magazine (0312) is designed to meet the requirements as specified in the Department of Defense – “*Contractor’s Safety Manual for Ammunition and Explosives*” (DOD 4145.26-M, September 1997).

There are four primary drainages on the site: Shingle Creek, Mixer Creek, Las Animas Creek, and San Felipe Creek. These streams drain into Las Animas Creek down stream of the site and then in to Andersen Reservoir. The majority (approximately 90%) of the runoff occurs between November and April. A diverse plant community exists adjacent to the project site including grassland, chaparral, oak, woodland, and riparian woodland. The wildlife species that have the potential to occur in the area are based on the local habitats and distribution of the species.

The site supports several federally listed threatened and endangered species and several California species of concern. The threatened and endangered species include the California red-legged frogs (*Rana aurora draytonii*), California tiger salamanders (*Ambystoma californiense*), and the bay checkerspot butterfly (*Euphydryas editha bayensis*). The bay checkerspot butterfly is found in association with the serpentine rock and soil formations in the western portion of the site (Buffer Zone). The California red-legged frog and California tiger salamander are found in many areas of the site and are known to breed in at least 17 of the ponds on the site.

There are 13 special-status plant species that have the potential to exist is on-site, including the federally endangered Santa Clara Valley Dudleya (*Dudleya setchellii*), and the Metcalf Canyon Jewelflower (*Streptanthus albidus* ss. *albidus*) (Table 1). Nineteen California species of concern may inhabit the site or there is habitat suitable for these species if they are not present. Special status wildlife species present and potentially present on the site are listed in Table 2.

On April 30, 2001, the US Fish and Wildlife Service designated critical habitat for the bay checkerspot butterfly pursuant to the Endangered Species Act of 1973, as amended (50 CFR Part 17, Federal Register, Volume 66, Number 83, 21449). The

TABLE 1
LIST OF POTENTIALLY OCCURRING SPECIAL-STATUS PLANT SPECIES

Scientific Name	Common name	Status Fed/CA/CNPS	Habitat Description	Potential for Occurrence
<i>Campanula exigua</i>	Chaparral harebell	--/--/1B	Annual herb. Rocky chaparral habitat. Bloom Period: May-June	High. Ultramafic soil mosaics chaparral present on the western ridge of the Facility.
<i>Castilleja affinis</i> ssp. <i>neglecta</i>	Tiburon Indian paintbrush	FE/ST/1B	Perennial herb (hemiparasitic). Serpentine valley and foothill grassland habitat. Bloom Period: April-June	High. Ultramafic soil mosaics and adjacent non-native grasslands present on the western ridge of the Facility.
<i>Ceanothus ferrisae</i>	Coyote ceanothus	FE/--/1B	Shrub (evergreen). Serpentine chaparral, cismontane woodland, and valley and foothill grassland habitat. Bloom Period: January - May	High. Ultramafic soil mosaics and adjacent non-native grasslands present on the western ridge of the Facility.
<i>Cirsium fontinale</i> var. <i>campylon</i>	Mt. Hamilton thistle	--/--/1B	Perennial herb. Serpentine chaparral, coastal scrub, and valley and foothill grassland habitat. Bloom Period: February – October	High. Observed in ultramafic soil mosaics and adjacent non-native grasslands on the western ridge of the Facility.
<i>Coreopsis hamiltonii</i>	Mt. Hamilton coreopsis	--/--/1B	Annual herb. Rocky cismontane woodland habitat. Bloom Period: March-May	Low. Suitable habitat not present at the Facility.
<i>Dudleya setchellii</i>	Santa Clara dudleya	FE/--/1B	Perennial herb. Rocky serpentine chaparral, coastal scrub, cismontane woodland, and valley and foothill grassland habitat. Bloom Period: April-June	High. Observed in ultramafic soil mosaics and adjacent non-native grasslands on the western ridge of the Facility.
<i>Fritillaria liliacea</i>	Fragrant fritillary	--/--/1B	Perennial herb (bulbiferous). Predominately serpentine cismontane woodland, coastal scrub and valley and foothill grassland habitat. Bloom Period: February - April	High. Ultramafic soil mosaics and adjacent non-native grasslands present on the western ridge of the Facility.
<i>Hoita strobilina</i>	Loma Prieta hoita	--/--/1B	Perennial herb. Predominately serpentine cismontane and riparian woodland habitat. Bloom Period: May-October	High. Ultramafic soil mosaics and riparian habitat present on the western ridge of the Facility.

Scientific Name	Common name	Status Fed/CA/CNPS	Habitat Description	Potential for Occurrence
<i>Lessingia micradenia</i> var. <i>glaberrata</i>	Smooth lessingia	--/--/1B	Annual herb. Serpentine chaparral and valley and foothill grassland habitat. Bloom Period: July-November	High. Ultramafic soil mosaics and adjacent non-native grasslands present on the western ridge of the Facility.
<i>Malacothammus arcuatus</i>	Arcuate bush mallow	--/--/1B	Shrub (evergreen). Chaparral habitat. Bloom Period: April-September	High. Chaparral habitat present at the Facility.
<i>Malacothammus hallii</i>	Hall's bush mallow	--/--/1B	Shrub (evergreen). Chaparral and coastal scrub habitat. Bloom Period: May-September	High. Chaparral habitat and coastal scrub present at the Facility.
<i>Sanicula saxatilis</i>	Rock sanicle	--/--/1B	Perennial herb. Rocky broadleaved upland forest, chaparral, and valley and foothill grassland habitat. Bloom Period: April-May	High. Chaparral and valley and foothill grassland habitat present at the Facility.
<i>Streptanthus albidus</i> ssp. <i>Albidus</i>	Metcalf Canyon jewelflower	FE/--/1B	Annual herb. Serpentine valley and foothill grassland habitat. Bloom Period: April-May	High. Observed in ultramafic soil mosaics and adjacent non-native grasslands on the western ridge of the Facility.
<i>Streptanthus albidus</i> ssp. <i>peramoenus</i>	Most beautiful jewelflower	--/--/1B	Annual herb. Serpentine cismontane woodland, and valley and foothill grassland habitat. Bloom Period: April-May	High. Observed in ultramafic soil mosaics and adjacent non-native grasslands on the western ridge of the Facility.

Legal Status Codes:

Federal

- FE - Listed as Endangered under the Federal Endangered Species Act
- FPE - Proposed as Endangered under the Federal Endangered Species Act
- FT - Listed as Threatened under the Federal Endangered Species Act
- FPT - Proposed as Threatened under the Federal Endangered Species Act

State

- SE - Listed as Endangered under the California Endangered Species Act
- ST - Listed as Threatened under the California Endangered Species Act
- CSC - California species of special concern

CNPS Inventory Status

- List 1B: Plants that are rare, threatened or endangered in California and elsewhere
- List 2: Plants that are rare, threatened or endangered in California, but more common elsewhere

TABLE 2
LIST OF POTENTIALLY OCCURRING
SPECIAL-STATUS WILDLIFE SPECIES

Scientific Name	Common name	Status Fed/CA	Habitat Description	Potential for Occurrence
INVERTEBRATES				
<i>Euphydryas editha bayensis</i>	bay checkerspot butterfly	FT/--	Serpentine soil outcrops. Dwarf plaintain, <i>Plantago erecta</i> , is the primary larval host plant.	High. Observed in ultramafic soil mosaics and adjacent non-native grasslands in the Buffer Zone.
AMPHIBIANS				
<i>Ambystoma californiense</i>	California tiger salamander	FT/CSC	Small mammal burrows in annual grassland and open grasslands or oak savannahs habitat. Seasonal or vernal pools crucial to breeding.	High. Observed in nine breeding ponds on the Facility.
<i>Rana aurora draytonii</i>	California red-legged frog	FT/CSC	In or near quiet permanent pools in streams, marshes, or ponds.	High. Observed in seven breeding ponds on the Facility.
REPTILES				
<i>Emys marmorata</i>	Western pond turtle	--/CSC	In or near quiet permanent pools in streams, marshes, or ponds.	High. Suitable habitat exists within the Facility.
<i>Phrynosoma coronatum</i>	Coast (California) horned lizard	--/CSC	A wide variety of habitats including coastal scrub, oak savanna, coniferous woodland and grasslands. Most commonly found in lowland sandy washes.	High. Suitable habitat exists within the Facility.
MAMMALS				
<i>Antrozous palidus</i>	pallid bat	--/CSC	Roosts in rock crevices, caves, mine shafts, under bridges, buildings and tree hollows.	High. Suitable roosting and foraging habitat present.

Scientific Name	Common name	Status Fed/CA	Habitat Description	Potential for Occurrence
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat	--/CSC	Roosts in rock crevices, caves, mine shafts, under bridges, buildings and tree hollows.	High. Suitable roosting and foraging habitat present.
<i>Eumops peroytis</i>	Western mastiff bat	--/CSC	Lives in rocky areas and cliff faces. Roosts in crevices in cliff faces and high buildings.	High. Suitable roosting and foraging habitat present.
<i>Neotoma fuscipes annectens</i>	San Francisco dusty-footed woodrat	--/CSC	Found in oak and riparian woodland and scrub habitats, rarely found in open grassland habitat.	High. Middens (large nests) observed in the Upper Shingle Valley area.
<i>Taxidea taxus</i>	American badger	--/CSC	Open herbaceous and shrub habitat with dry, friable soils.	High. Suitable habitat exists within the Facility.
<i>Vulpes macrotis mutica</i>	San Joaquin kit fox	FE/ST	Open level areas with loose soil supporting scattered shrubs.	High. Previously observed near the Facility. Suitable open grassland and oak savannah habitats present at Facility.
BIRDS				
<i>Accipiter cooperi</i>	Cooper's hawk	--/CSC	Nests and forages in dense of oak woodlands, riparian forests or other forests near water.	High. Previously observed at the Facility. Scattered patches of oak and riparian woodlands present suitable nesting and foraging habitat.
<i>Aquila chrysaetos</i>	golden eagle	BCC/CSC, CFP	Forages in open grasslands, riparian, sagebrush, and rolling oak savannas. Nests in large trees in open areas and on cliffs of varying heights.	High. Suitable open grassland habitat present is scattered throughout the Facility.

Scientific Name	Common name	Status Fed/CA	Habitat Description	Potential for Occurrence
<i>Athene cunicularia</i>	burrowing owl	BCC/CSC	Open grassland and shrub habitat with perches and rodent burrows.	High. Suitable open grassland habitat present is scattered throughout the Facility.
<i>Buteo regalis</i>	ferruginous hawk	BCC/CSC	Winters in grasslands, open habitats	High. Suitable wintering habitat throughout the Facility.
<i>Circus cyaneus</i>	Northern harrier	--/CSC	Open wetlands, lightly grazed pastures; old fields; freshwater and brackish marshes, open grasslands, and riparian woodlands.	Very high. Previously observed in the MTA/CTA area. Suitable open annual grassland nesting habitat and riparian foraging habitat present at the Facility
<i>Dendroica petechis brewsteri</i>	yellow warbler	--/CSC	Low, open-canopy riparian deciduous woodlands dominated by alders, cottonwood, willows.	High. Suitable open riparian woodland habitat found along streams at the facility.
<i>Elanus leucurus</i>	white-tailed kite	--/CFP	Open grassland, agricultural, wetland, oak-woodland, or savannah habitats. Also use riparian areas adjacent to open grasslands.	High. Has been observed foraging in Action Areas at the Facility. Oak and riparian woodlands provide suitable nesting habitat.
<i>Eremophila alpestris actia</i>	California horned lark	--/CSC	Short-grass prairie, "bald" hills, mountain meadows, open coastal plains, fallow grain fields, alkali flats	High. Open areas with sparse grass cover and areas of regular grazing are scattered throughout the Site.
<i>Falco columbarius</i>	merlin	--/CSC	Winters in open grassland habitats.	High. Suitable wintering habitat throughout the Facility.

Scientific Name	Common name	Status Fed/CA	Habitat Description	Potential for Occurrence
<i>Falco mexicanus</i>	prairie falcon	BCC/CSC	Forages in open habitat. Nests on cliffs.	High. Previously observed at the Facility, however no suitable nesting habitat is available.
<i>Falco peregrinus anatum</i>	American peregrine falcon	BCC/SE, CFP	Forages in open habitat with nearby bodies of water. Nests on high cliffs, banks, dunes, mounds, human-made structures and occasionally old nests of other raptors.	High. Suitable open grassland habitat present is scattered throughout the Facility.
<i>Haliaeetus leucocephalus</i>	bald eagle	FT/SE, CFP	Roosts in large old-growth trees near permanent bodies of water. Nests in mountain forests and foothills and woodlands next to reservoirs, lakes, and rivers.	High. Previously observed at the Facility. Sightings expected to be limited to foraging as feeding may occur up to ten miles from roosting sites.
<i>Lanius ludovivianus</i>	loggerhead shrike	BCC/CSC	Open grasslands, pastures, agricultural fields, riparian areas, and open woodlands with scattered scrubs, trees, fences, posts, or utility lines.	High. Suitable open grassland foraging habitat found throughout the facility.

Legal Status Codes:

Federal

FE - Listed as Endangered under the Federal Endangered Species Act

FT - Listed as Threatened under the Federal Endangered Species Act

BCC - Birds of Conservation Concern

State

SE - Listed as Endangered under the California Endangered Species Act

ST - Listed as Threatened under the California Endangered Species Act

CSC - California Species of Concern

CFP - California Fully Protected

critical habitat is located within Santa Clara County and San Mateo County in California and includes a portion of the site. Stations 2233 and 0312 are located approximately 10,000 feet (1.9 miles) east of the eastern extent of the designated critical habitat for bay checkerspot butterfly on the site.

On August 23, 2005, the US Fish and Wildlife Service designated critical habitat for the Central population of the California Tiger Salamander pursuant to the Endangered Species Act of 1973, as amended (50 CFR Part 17, Federal Register, Volume 70, Number 162, 49380). The critical habitat is located within 19 counties in California and includes a portion of the UTC site.

In early 2006, UTC prepared a Joint Aquatic Resources Permit Application for a US Army Corps of Engineers Programmatic Individual Section 404 Permit to implement the site closure and remediation programs. In June 2006, UTC expects to receive the Programmatic Individual Section 404 Permit and Programmatic Section 7 Biological Opinion from the U.S. Fish and Wildlife Service. Continued operation of the Storage Facility (2233) and Storage Magazine (0312) are not expected to significantly impact or adversely affect any of the listed or other species of concern or their habitats.

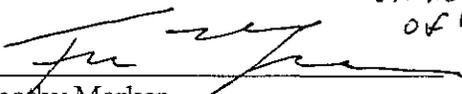
34. Describe the surrounding properties, including information on plants and animals and any cultural, historical or scenic aspects. Indicate the type of land use (residential, commercial, etc.), intensity of land use (one-family, apartment houses, shops, department stores, etc.), and scale of development (height, frontage, set-back, rear yard, etc.): Attach photographs of the vicinity. Snapshots or Polaroid photos will be accepted.
35. The land use surrounding UTC is predominantly ranchland towards the northeast and southeast. A regional park (approximately 14,000 feet to the west) and open public lands are located in regions towards the northwest. Directly to the west of UTC is additional regional park land and undeveloped hillsides.

Anderson Reservoir, located approximately 600 feet south of UTC, is a municipal and domestic water supply source for Santa Clara County. Additional direct and indirect uses of the reservoir include recreational activities, groundwater recharge, and wildlife habit. The Part A Application contains photographs of the Storage Facility (2233) and the Storage Magazine (0312).

Certification

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge.

01/15/07
Date


Timothy Marker
Environmental Manager

on behalf
of VTC