



California Environmental Protection Agency
Department of Toxic Substances Control
DRAFT
HAZARDOUS WASTE FACILITY PERMIT

Permit Number:

Facility Name:

**Evergreen Oil, Inc.
6880 Smith Avenue
Newark, CA 94560**

Owner Name:

**Evergreen Oil, Inc.
6880 Smith Avenue
Newark, CA 94560**

Operator Name:

**Evergreen Oil, Inc.
6880 Smith Avenue
Newark, CA 94560**

Facility EPA ID Number: CAD980887418

Effective Date of Permit: xxxx xx, 2004

Expiration Date of Permit: xxxx xx, 2014

Date Issued: xxxx xx, 2004

Pursuant to Section 25200 of the California Health and Safety Code, this RCRA-equivalent Hazardous Waste Facility Permit is hereby issued to: **Evergreen Oil, Inc.**
The Issuance of this Permit is subject to the conditions set forth in Attachment A and the Part "B" Application dated January 2004. The Attachment A consists of 65 pages and Appendix A.

**Jose Kou, Chief
Southern California Permitting and
Corrective Action Branch
Department of Toxic Substances Control**

Date:

EVERGREEN OIL, INC.
6880 Smith Avenue
Newark, California 94560

HAZARDOUS WASTE FACILITY PERMIT

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HAZARDOUS WASTE FACILITY PERMIT

**Evergreen Oil, Inc.
6880 Smith Avenue
Newark, California 94560
U.S.EPA ID NO.: CAD980887418**

PART I. DEFINITIONS

All terms used in this Permit shall have the same meaning as those terms have in the California Health and Safety Code, Division 20, Chapter 6.5 and Title 22, California Code of Regulations Division 4.5, unless expressly provided otherwise by this Permit. The definitions set forth below are applicable only to terms used in this Permit and shall not be construed as being applicable in any other context or as to any other facility.

1. "DTSC" as used in this Permit means the California Department of Toxic Substances Control.
2. "Permittee" as used in this Permit means the Owner and Operator.
3. "HSC" as used in this Permit means the Health and Safety Code.
4. "Cal. Code Regs." as used in this Permit means the California Code of Regulations.
5. "Characteristic Waste" means RCRA Hazardous Waste as defined, Title 22, Cal. Code Regs., Chapter 11, Article 3.
6. "Contaminated Petroleum Products" has the same meaning as that term is defined in Section 25250.1(a)(7) of the HSC.
7. "Drain Oil" means used oil collected under the modified manifest system as specified in section 25250.8(b) of the HSC.
8. "Listed Waste" means RCRA Hazardous Waste that is hazardous because it is listed in Title 22 Cal. Code Regs., Division 4.5, Chapter 11, Article 4.
9. "Oily Waste (non-RCRA)" means recovered oil or any liquid, semi-solid, or solid waste, other than RCRA listed or characteristic waste, that contains used oil, unrefined petroleum, or any one or more of the following fractions of petroleum: gasoline, naphtha, kerosene, fuel oil, lubricating oil, wax, asphalt, coke, or hydrocarbon if the original purpose of the hydrocarbon was fuel, lubricant, wax, asphalt, or solvent.
10. "Oily Waste (RCRA)" means recovered oil or any liquid, semi-solid, or solid waste that contains used oil, unrefined petroleum, or any one or more of the following

fractions of petroleum: gasoline, naphtha, kerosene, fuel oil, lubricating oil, wax, asphalt, coke, or hydrocarbon if the original purpose of the hydrocarbon was fuel, lubricant, wax, asphalt, or solvent. Oily waste (RCRA) may include any mixture containing Listed or Characteristic Wastes.

11. "Oily Solids" means any of the following: (1) soil, adsorbents, personnel protective equipment, rags, used containers, used equipment, or debris that has been contaminated with Oily Waste, Used Oil or Waste Antifreeze; (2) tank bottoms and container residues from tanks and containers previously containing Oily Water, Used Oil, or Waste Antifreeze; or (3) any solids filtered, strained, decanted, or centrifuged from Oily Water, Used Oil, or Used Antifreeze. Oily Solids are also any mixture of two or more of the above listed materials.
12. "Pretreated Wastewater means the pretreated water from the Wastewater Treatment System or Wastewater Treatment Plant that is discharged to the POTW under the Union Sanitary District permit.
13. "RCRA Fuels means wastes that can be blended for the purpose of being transported off-site to an authorized hazardous waste facility for combustion or use as a fuel in a Boiler or Industrial Furnace (BIF) or an incinerator. RCRA Fuels may include one or more of the following: Used Oil, Waste Antifreeze, solvents, RCRA Listed Waste, Characteristic Waste, Light Naphtha, and Light Distillate.
14. "Recovered Oil" means the oil phase reclaimed from tanks or containers.
15. "Recycled Oil" has the same meaning as that term is defined in Section 25250.1(a)(3)(A) of the Health and Safety Code.
16. "Re-refining Specifications" means oil that meets the Recycled Oil specifications and determined to be suitable by the Permittee to be processed in the re-refinery section of the facility.
17. "Waste Antifreeze" or "Used Antifreeze means mixture of glycols from one or more of the following: used engine coolants, water based coolants from refrigeration systems, contaminated or off specification glycol based products, used glycols from gas dehydration, or used glycol based heat transfer fluids. Waste Antifreeze also means a mixture of the above wastes with one or more of the following: water, solids, Used Oil, and Oily Water. Waste Antifreeze also includes any oily phase or sediment that may have separated in a tank of Used Antifreeze. Used Antifreeze does not include any mixture with Listed Waste or Characteristic Wastes.
18. "Used Oil" Used Oil has the same meaning as that term is defined in Section 25250.1(a)(1) of the Health and Safety Code.
19. "Waste or off Gas is the vapor from the recycling and treatment systems and the storage tanks. Waste Gas is collected in the Vapor Recovery Unit and destroyed in the facility hot oil heater, Thermal Oxidizer or Carbon Adsorption Systems.

PART II. DESCRIPTION OF THE FACILITY AND OWNERSHIP

1. Owner

The facility owner is Evergreen Oil, Inc., a corporation (hereafter "owner").

2. Operator

The facility operator is Evergreen Oil, Inc., a corporation (hereafter "Operator").

3. Location

The Evergreen Oil, Inc. (EOI) facility is located at 6880 Smith Avenue, in the City of Newark, Alameda County, State of California. The Assessor's Parcel Number assigned to the site by the Alameda County is 092A230001003. The location of the facility can also be described as latitude 37°31'15" N, longitude 115°01'15" W, township T55, Range R1W, section 6. The site is approximately 1/2 mile west of I-880 and can be accessed via Mowry Avenue or Thornton Avenue interchanges.

4. Description

The EOI facility occupies a 7-acre parcel of an urbanized area surrounded by industrial uses. The site is zoned M6 (general industrial). The EOI facility was issued a State Hazardous Waste Facility permit on October 15, 1985 and a Class 3 Permit Modification on May 9, 2002.

This permit authorizes storage and treatment of hazardous waste in tanks and containers including used oil, RCRA and non-RCRA oily waste waters, waste antifreeze, RCRA fuel and contaminated petroleum products, with a maximum capacity of 692,000 gallons; 4 rail cars with storage capacity of 25,000 gallons for each car; 2 roll-off bins with a total storage capacity of 40 cubic yards; 3 storage pads for containers of RCRA and non-RCRA wastes with a maximum capacity equivalent to 1008 55-gallon drums. This permit also authorizes the treatment and storage of used oil in aboveground tanks with a maximum annual throughput of 45 million gallons; 10 million gallons per year of consolidation; solidification and transfer of containerized waste; 5 million gallons per year of RCRA fuel blending, and; 55 million gallon per year of RCRA and non-RCRA wastewater treatment and storage.

Only the Recycled Oil is to be processed in the re-refinery, and thus, the re-refining operation is not part of this permit. The partial closure plan approval of the re-refinery will be at the same time with the approval of the Part B Permit Application.

Hazardous wastes are accepted in drums, bulk tanker trucks, and rail cars. The wastewater received from off-site and generated on-site from re-refining is

treated in the Wastewater Treatment Plant or Wastewater Treatment System and batch discharged to publicly owned treatment works (POTW). The solids from the wastewater treatment are consolidated into roll-off bins for off-site shipment. The wastewater treatment system includes blending, pH adjustment, metal and oil removal, gravity separation, air stripping, chemical oxidation of phenols and carbon absorption.

Used oil filters are also accepted at the container storage area. Only used oil drained from the used oil filters is regulated as hazardous waste. Oil contaminated with more than 1000 ppm total halogens is presumed to be a hazardous waste because it has been mixed with halogenated hazardous waste as listed in Title 22, California Code of Regulations, Division 4.5, Chapter 11, Article 4..

Empty drums and used oil filters will be crushed using a hydraulic drum crusher. In the case of used oil filters, a collection device will be used to accumulate the used oil. The oil will be tested and transferred to receiving tanks. Crushed filters will be transferred to a drum or roll-off bin for off-site recycling.

5. Facility Size and Type for Fees

The facility is categorized as a LARGE TREATMENT facility for purposes of HSC, Sections 25205.1 and 25205.19.

PART III. GENERAL CONDITIONS

1. Permit Application Documents

(a) The Part "A" and Part "B" Applications dated January, 2004 are hereby made a part of this Permit by reference.

2. Effect of Permit

(a) The Permittee shall comply with the provisions of the California Health and Safety Code, and Division 4.5 of Title 22, California Code of Regulations (Title 22, Cal. Code Regs.). The issuance of this Permit by DTSC does not release the Permittee from any liability or duty imposed by federal or state statutes or regulations or local ordinances, except the obligation to obtain this Permit. The Permittee shall obtain the permits required by other governmental agencies, including but not limited to, the applicable land use planning, zoning, hazardous waste, air quality, water quality, and solid waste management laws for the construction and/or operation of the Facility.

(b) The Permittee is permitted to treat, store and transfer hazardous wastes in accordance with the conditions of this Permit. Any treatment or storage of hazardous wastes not specifically authorized in this Permit is

strictly prohibited. HSC section 25250.4 requires that used oil be managed as a hazardous waste until it has been shown to meet the requirements of subdivision (b) of HSC section 25250.1 or is excluded from regulation as a hazardous waste pursuant to HSC 25143.2. Therefore, references in this permit to the term “hazardous waste” shall be deemed to include “used oil.”

(c) Compliance with the terms of this Permit does not constitute a defense to any action brought under any other law governing protection of public health or the environment, including, but not limited to, one brought for any imminent and substantial endangerment to human health or the environment.

(d) DTSC's issuance of this Permit does not prevent DTSC from adopting or amending regulations that impose additional or more stringent requirements than those in existence at the time this Permit is issued and does not prevent the enforcement of these requirements against the Permittee.

(e) Failure to comply with any term or condition set forth in the Permit in the time or manner specified herein will subject the Permittee to possible enforcement action, including but not limited to the imposition of penalties pursuant to HSC Section 25187.

(f) In addition, failure to submit any information required in connection with the Permit, or falsification, or misrepresentation of any submitted information, is grounds for revocation of this Permit (Title 22, Cal. Code of Regs., section 66270.43).

(g) In case of any conflicts between the Part B application and the Permit, the Permit conditions take precedence.

(h) This Permit includes and incorporates by reference any conditions of waste discharge requirements issued by the State Water Resources Control Board or any of the California Regional Water Quality Control Boards and any conditions imposed pursuant to section 13227 of the Water Code.

3. Term of Permit

This Permit shall have a term of ten years from the effective date of the Permit, subject to a five-year review by DTSC. In addition to any other inspections that the DTSC may conduct, at the end of the first five years, DTSC will review the permitted operations to assure that the facility continues to comply with applicable requirements.

4. Compliance with California Environmental Quality Act (CEQA)

A Negative Declaration has been prepared by the City of Newark in the

accordance with the requirements of Public Resources Code Section 21000 et seq. and the CEQA Guidelines, Section 15070 et seq. of Title 14, California Code of Regulations. The Negative Declaration was certified on March 5, 1997. The City of Newark approved an updated modified Negative Declaration on January 17, 2003. The City of Newark approved the project contingent upon DTSC's approval of Evergreen's Part B permit application and the acceptance and approval of the Health Risk Assessment (HRA) for this project. The updated modified Negative Declaration was certified by the City of Newark Council on March 13, 2003.

PART IV. PERMITTED UNITS AND ACTIVITIES

This Permit authorizes operation only of the facility units and activities listed below. The Permittee shall not treat or store hazardous waste in any unit other than those specified in this Part IV. Nor shall the Permittee handle any hazardous wastes other than those specified in the Process Unit Descriptions. Any modification to a unit or activity authorized by this Permit require the written approval of DTSC in accordance with the permit modification procedures set forth in Title 22, Cal. Code Regs.

Units authorized by this Permit to manage hazardous waste are:

- 1 USED OIL RECEIVING AND STORAGE TANKS EAST END - TANK FARM
- 2 USED OIL RECEIVING AND STORAGE TANKS WEST END- TANK FARM
- 3 USED OIL FUEL BLENDING TANKS
- 4 TANK T-502, OILY WASTE TANK
- 5 RCRA FUEL BLENDING TANK T-800
- 6 RCRA FUEL BLENDING TANK T-513
- 7 WASTE ANTIFREEZE STORAGE TANK T-500
- 8 OILY WATER STORAGE TANKS (FEED TO THE WST-DAF)
- 9 WASTEWATER TREATMENT SYSTEM (WTS-DAF)
- 10 EAST LOADING/UNLOADING AREA
- 11 WEST LOADING/UNLOADING AREA AND DRUM PUMPING
- 12 WASTEWATER TREATMENT PLANT LOADING/UNLOADING AREA
- 13 DRUM STORAGE AREA, PAD # 1
- 14 DRUM STORAGE AREA, PAD # 2
- 15 DRUM STORAGE AREA, PAD # 3
- 16 RAILCAR LOADING/UNLOADING STATION 1
- 17 RAILCAR LOADING/UNLOADING STATION 2
- 18 RAILCAR LOADING/UNLOADING STATION 3
- 19 RAILCAR LOADING/UNLOADING STATION 4
- 20 WASTEWATER TREATMENT PLANT (WWTP)
- 21 ROLL-OFF BIN FOR WASTEWATER TREATMENT PLANT
- 22 DRUM CONSOLIDATION PAD AND ROLL-OFF BIN
- 23 DRUM CRUSHER
- 24 STORM AND OILY WATER COLLECTION SYSTEM (X-453 and X-454)
- 25 OILY AND WASH WATER COLLECTION SYSTEM (X-510)

PROCESS UNIT DESCRIPTION No. 1

Unit 1: Used Oil Receiving and Storage Tanks, East End – Tank Farm

Unit Numbers: T-501A, T-501B, T-501C, T-501D, T-501E, T-501F, T-501G, T-501H, T-501I, and T-501J

Location: East End of the Tank Farm within containment structure.

Activity Type: Receiving Used oil and petroleum contaminated products
Storage in tanks
Treatment (gravity separation and blending)
Testing for Recycled Oil

Operating Status: These are new tanks authorized by this permit.

Activity Description: The tanks receive used oil and non-RCRA contaminated petroleum products that meet the definition in Section 25250.1(a)(7)(A) of the H&SC, from offsite sources. Waste is received from trucks parked in the east loading/unloading area, and from Rail Car Loading/Unloading Stations 1, 2, 3 and 4. Incoming wastes are tested in the trucks and rail cars to ensure that they meet the waste acceptance criteria (Tables III-7 & 15 of the Part B Permit Application).

If the waste meets the used oil and contaminated petroleum products acceptance criteria then it will be unloaded into tanks T-501A through T-501J. It may also be pumped to tanks T-505, T-506A through T-506F, T-507, and T-509 where the incoming wastes are blended and allowed to separate by gravity.

After the wastes are accepted in the tanks T-501A through T-501J, additional testing of the tank contents may be performed to check if the waste meets the Recycled Oil specifications and the re-refining specifications. If it meets both specifications, then it will be pumped directly to the re-refinery feed tanks T-503B and T-503C. If it only meets the recycled used oil specifications, it will be pumped to any/all tanks: T-505, T-506A through T-506F, T-507, and T-509 and T-503A.

If the waste does not meet the Recycled Oil specifications it will be pumped to T-502 then shipped off site as hazardous waste or hazardous waste fuel.

Wastes may also be transferred from Tanks T-501A through T-501J to trucks parked in the east loading/unloading area and Rail Car Loading/Unloading Station 1, 2, 3 and 4, if it is determined to be unacceptable to the facility. Tanks T-501A through T-501J may

also be pumped into tanks T-800 and T-513 and shipped to an authorized facility..

Wastewater separated in tanks T-501A through T-501J is pumped to tanks T-651 A & B and T-652 then to the Wastewater Treatment System (WTS-DAF). The wastewater and sludge/solids from tanks T-501A through T501J may also be pumped to the Vacuum Containers I & II in the Wastewater Treatment Plant (WWTP).

Physical Description: The tanks are aboveground cylindrical steel tanks with a shallow cone roof and flat bottom. The tanks operate at atmospheric temperature and pressure. Each tank measures 8' in diameter and 12 feet high with 6 inches of freeboard. The tanks are on a concrete pad foundation covered with a synthetic membrane barrier for leak detection. Four equally spaced anchor bolts anchor each tank. The tanks are installed within a containment structure, 18 ft. wide, 124 ft. long and 4 ft. deep. See Attachment IV-13-3 for tank containment.

Air Emissions: The tanks are enclosed and vented to the facility vapor recovery system.

Maximum Capacity: 4,136 gallons each tank

Waste Type: Used oil, contaminated petroleum products that are not RCRA characteristic or listed wastes

California Waste Codes: 221, 612

RCRA Hazardous Waste Codes: None

PROCESS UNIT DESCRIPTION No. 2

Unit 2: Used Oil Receiving and Storage Tanks, West End – Tank Farm

- Unit Numbers: Proposed: T-512 B & C (Existing: T-501A & B)
Proposed: T-512 A & T-651C (Existing T-512B & A)
- Location: West End of the Tank Farm within Containment Structure
- Activity Type: Receiving Used Oil and contaminated petroleum products from trucks and Drums
Storage in a tank
Treatment (gravity separation and blending)
Certification of Recycled Oil
- Operating Status: These are existing tanks as of the effective date of the permit, but the tank numbers have changed. The tanks were built in 1986, last inspected in 2001, and will be subject to a scheduled reinspection in 2006.
- Activity Description: Tanks T-512 A through T-512C and T-651 C receive used oil and non-RCRA contaminated petroleum products that meet the definition in Section 25250.1(a)(7)(A) of the H&SC, from offsite sources. Waste is received from trucks parked in the west loading/unloading area. Used oil and contaminated petroleum products may also be received from drums via the drum pumping station in the west loading/unloading area.
- Incoming wastes are tested in the trucks and drums before it is unloaded into the tanks to ensure that it meets the facility's acceptance criteria specified in Section III WAP, Tables III-7 & III-15 of the Part B application. After acceptance, the used oil and contaminated petroleum products are pumped from receiving tanks: T-512 A, through T-512C and T-651C to the fuel blending tanks: T-505, T-506A through T-506F, T-507, and T-509. If the contents in tanks: T-512 A, through T-512C and T-651C T-505, T-506A through T506F, T-507, and T-509 meets the Recycled Oil specifications, then the contents will be pumped to T-503A, the certified used oil fuel tank.
- If the waste does not meet the Recycled Oil specifications, it will be pumped to T-502 then shipped off site as hazardous waste or hazardous waste fuel to an authorized facility.
- Used oil, Recycled Oil, and contaminated petroleum products from the tanks may be shipped offsite by truck or rail by a registered hazardous waste hauler.

While in the receiving tanks T-512 A through T-512C and T-651 C, the used oil shall be tested to see if it meets the specifications of the Recycled Oil, and Re-refining. If the waste meets both specifications, then the used oil will be pumped directly to the re-refinery feed tanks T-503B and T-503C, which are product tanks. If the used oil meets the Recycled Oil specifications but does not meet the Re-refining specifications, it will be pumped to tank T-503 A, which is a certified used oil fuel blending tank. If the used oil does not meet the Recycled Oil specifications, it will be shipped offsite as hazardous waste or transferred to tanks T-800 or T-513.

Water separated in tanks T-512 A through T-512C and T-652 is pumped to tanks T-651A and T-651B and T-652 then to the Wastewater Treatment System (WTS-DAF) for treatment. The wastewater and sludge/solids from tanks T-512 A through T-512C and T-652 may also be pumped to Vacuum Containers I & II in the Wastewater Treatment Plant (WWTP).

Physical Description: Storage tanks T-512 A through T-512C and T-651C are aboveground cylindrical steel tanks with a shallow cone roof and flat bottom. The tanks operate at atmospheric temperature and pressure. The tank measures 11'11" in diameter and 12 feet high with 12 inches of freeboard. The tank is installed on a concrete pad foundation covered with a synthetic membrane barrier for leak detection. Four equally spaced anchor bolts anchor each tank. The tanks are installed within the tank farm containment structure.

Air Emissions: The tanks are enclosed and vented to the facility vapor recovery system.

Maximum Capacity: 9,158 gallons (each tank)

Waste Type: Used oil, contaminated petroleum products that are not RCRA characteristic or listed wastes

California Waste Codes: 221, 612

RCRA Hazardous Waste Codes: None

PROCESS UNIT DESCRIPTION No. 3

Unit 3: Used Oil Fuel Blending Tanks

Units Numbers: Tanks: T-505, T-507, T-509, T-506A, T-506B, T-506C, T-506D, T-506E & T-506F.

Location: Located in the center of the facility's Tank Farm.

Activity Type: Storage in a tank
Treatment (gravity separation and blending)
Testing for Recycled Oil

Operating Status: Existing Tanks: T-505, T-506A, T-506B, T-507, T-509. These tanks were built in 1986 and last inspected in 2001, next scheduled inspection is in 2006.

New Tanks: T-506C, T-506D, T-506E & T-506F are new tanks authorized by this permit.

Activity Description: Tanks: T-505, T-507, T-509, T-506A, T-506B, T-506C, T-506D, T-506E & T-506F receive used oil and/or contaminated petroleum products from Tanks T-512A through T-512C, T-651C, T-501A through T501J, the West Loading/Unloading Area and from Rail Car Stations 1, 2, 3, and 4, after testing has been completed to ensure that the oil meets the facility acceptance criteria. (See Tables III-7 & 15 of the Part B application.) The Used Oil Fuel Blending tanks may also transfer hazardous wastes to Rail Car Stations 1, 2, 3, and 4.

The tanks: T-505, T-507, T-509, T-506A, T-506B, T-506C, T-506D, T-506E & T-506F also receive fuel oil by-products derived from the facility's oil re-refining section.

The contents of each of tanks T-505, T-507, T-509, T-506A, T-506B, T-506C, T-506D, T-506E & T-506F may be pumped to each other, blended, sampled and analyzed to see if the oil meets the Recycled Oil specifications. If so, it will then be pumped to T-503A and shipped off site by rail or truck as product.

If the used oil in tanks T-505, T-507, T-509, T-506A, T-506B, T-506C, T-506D, T-506E & T-506F meets the Recycled Oil and the Re-refining specifications, it will be pumped to the re-refinery feed tanks T-503B and T-503C as product.

Wastewater recovered from tanks T-505, T-507, T-509, T-506A, T-506B, T-506C, T-506D; T-506E & T-506F by gravity separation may be pumped to T-651A&B, T-652 for further treatment in the

Wastewater Treatment System (WTS-DAF unit). The wastewater and sludge/solids from these tanks may also be pumped to the Vacuum Container I & II in Wastewater Treatment Plant (WWTP) for further treatment.

If the fuel oil in tanks: T-505, T-507, T-509, T-506A, T-506B, T-506C, T-506D, T-506E & T-506F does not meet the Recycled Oil specifications then it is shipped off site as hazardous waste to an authorized facility.

Oil emulsions generated in tanks: T-512A through T-512C, T-651C, T-501 A through T-501J, T-505 T- 507, T-506A through T-506F may be stored in tank T-509. When oil emulsions are transferred from these tanks to T-509 it will be heated in-line with the addition of chemicals to break the emulsions. The oil emulsions are allowed to settle in tank T-509. The water in T-509 will be pumped to wastewater treatment system (WTS-DAF) and/or to the wastewater treatment plant (WWTP) for further treatment. The oil in T-509 will be tested. If it meets the Recycled Oil specifications, it will be pumped to T-503A. Otherwise, it will be pumped to T-502 or shipped off site as hazardous waste to an authorized facility.

Physical Description: Tanks T-505, T-507, T-509, T-506A, T-506B, T-506C, T-506D, T-506E & T-506F are steel above ground cylindrical tank with a shallow cone roof and flat bottom. The tanks are mounted on concrete pad covered with a synthetic membrane barrier for leak detection. The tank is anchored as required for California seismic requirements. The tanks are contained within the tank farm secondary containment structure.

Air Emissions: The tanks operate at atmospheric temperature and pressure. The tanks are enclosed and vented to the vapor recovery system.

Maximum Capacity: Tanks: T-505, T-507, T-506A, T-506B, T-506C, T-506D, T-506E & T506F - 47,632 gallons each Tank T-509 – 24,532 gallons

Waste Type: Used oil, contaminated petroleum products that are not RCRA characteristic or listed wastes.

California Waste Codes: 221, 612

RCRA Hazardous Waste Codes: None

PROCESS UNIT DESCRIPTION No. 4

Unit 4: Tank T-502

Unit Number : T-502

Location: Tank Farm containment structure

Activity Type: Storage in a tank

Operating Status: Tank T-502 is an existing unit as of the effective date of this permit. The tank was built in 1986, last inspected in 2001, and will be re-inspected in 2006.

Activity Description: T-502 receives recovered oil from the Wastewater Treatment System (WTS-DAF) and Wastewater Treatment Plant (WWTP), recovered oil from the antifreeze tank T-500, off specification oil from tanks: T-651 A and T-651B, T-652, T-512A through T-512C, T-651C, T-501 A through T-501J, T-505, T-507, T-509, and T-506 A through T-506F. Tank T-502 only stores non-RCRA waste material that is transferred to tanks T-800 or T-513 or shipped off site as a hazardous waste by truck or railcar. Contents from tank T-502 may be loaded or unloaded at the West Loading/Unloading Area, East Loading/Unloading Area or Rail Car Loading/Unloading Stations 1, 2, 3, and 4.

Physical Description: Tank T-502 is a steel above ground cylindrical tank with a shallow cone roof and flat bottom. The tank operates at atmospheric temperature and pressure. The tank measure 20'8" in diameter and 20' in height. The tank is on a concrete pad foundation covered with a synthetic membrane barrier for leak detection. The tank is contained in the tank farm secondary containment structure and is vented to the tank farm vapor recovery system.

Maximum Capacity: 47,632 gallons

Air Emissions: The tank is enclosed and vented to the tank farm vapor recovery system.

Waste Type: Used oil, contaminated petroleum products, non-RCRA oily waste and oil/water mixtures

California Waste Codes: 132, 133, 134, 135, 221, 222, 223, 241, 331, 612

RCRA Hazardous Waste Codes: None

PROCESS UNIT DESCRIPTION No. 5

Unit 5: RCRA Fuel Blending Tank T-800

Units Numbers: Tank T-800 (Existing 10,000 gallon: T-501C)

Location: T-800 is located in the northwest end of the Tank Farm

Activity Type: Storage of halogenated hydrocarbons and RCRA wastes fuels
Treatment: gravity separation and blending

Operating Status: T-800 was built in 1986 and inspected in 2001; next scheduled inspection is in 2006.

Activity Description: Tank T-800 is authorized to receive RCRA liquids, oily wastes, halogenated fuel from the re-refinery processing, oily wastes, ignitables, solvents, contaminated used oil and contaminated petroleum products. These wastes are to be received in drums or bulk from offsite via trucks, and pumped from the drum pumping station area in the west loading/unloading area and from Rail Car Station 3.. Tank T-800 may also receive RCRA contaminated used oil from tanks T-501 A through T-501J, T-502, T-512A, T-512B, T-512C and T-651C.

Used oil containing less than 49 ppm PCB's may also be stored in tanks T-800 and T-513.

Tables III-9 & III-14 of the Part B describe the analytical requirements for accepting and shipping RCRA fuels.

The waste in T-800 is shipped offsite via trucks in the West Loading/Unloading Area or rail cars from Rail Car Station 3. Waste from T-800 may also be pumped to T-513.

Wastewater and solids/sludges separated in the bottom of tank T-800 are pumped to the Wastewater Treatment Plant (WWTP) for further treatment or shipped off site as hazardous waste.

A pump and piping system are dedicated for the service of the RCRA fuel blending and transfer for tanks T-800 and T-513.

Physical Description: Tanks T-800 is steel above ground cylindrical tank with a shallow cone roof and flat bottom, and measures 11'11" in diameter and 12 feet high with 12 inches of freeboard. The tank is mounted on concrete pad covered with a synthetic membrane barrier for leak detection. The tank is anchored to prevent movement during seismic event.

Tank T-800 has a separate secondary containment structure and will be coated with a suitable impervious material by the date specified below in the Unit Specific Special Condition.

Waste Type: Halogenated hydrocarbons generated during the re-refining process, used oil, contaminated with solvents, and other RCRA wastes as listed below.

RCRA Air Emissions Standards: Tank T-800 is enclosed and vented to the facility vapor recovery system. Tank T-800 must comply with 40 CFR, 264 Subpart CC, and Article 28, Chapter 14, Division 4.5, Title 22, California Code of Regulations

California Waste Codes: 133, 221, 222, 212, 213, 214, 223, 252, 261, 331, 342, 343, 612

RCRA Waste Codes : D001, D004, D005, D006, D007, D008, D010, D011, D018, D019, D021, D022, D027, D028, D029, D030, D035, D036, D039, D040, F001, F002, F003, F004, F005, K048, K049, K050, K051, K052, U002, U003, U019, U031, U211, U044, U056, U070, U071, U072, U165, U057, U112, U154, U080, U159, U188, U196, U220, U228, U239

Unit Specific Special Condition: The Permittee shall submit a proposed coating material for the secondary containment for written approval by DTSC no later than November 2004.

PROCESS UNIT DESCRIPTION No. 6

Unit 6: RCRA Fuel Blending Tank T-513

Unit Numbers: Tank T-513 (New, 25,000 gallon)

Location: T-513 is located in the middle of the east end of the Tank Farm

Activity Type: Storage of halogenated hydrocarbons and RCRA wastes
Treatment: gravity separation and blending

Operating Status: T-513 is a new tank authorized by this permit.

Activity Description: Tank T-513 is authorized to receive RCRA liquids, and halogenated fuel from the re-refinery processing. The tank may also receive oily wastes, ignitables, solvents, contaminated used oil and contaminated petroleum products. These wastes will be received in drums or bulk from offsite via trucks or rail cars from Rail Car Station 3, and pumped from the drum pumping station area in the west loading/unloading area. Tank T-513 may also receive RCRA contaminated or off specification used oil from tanks T-501 A through T-501J, T-502, T-512 A, T-512B, T-512C and T-651C. Used oil containing less than 49 ppm PCB's may also be stored in tank T-513.

The contents of T-513 will be shipped off site in trucks from the West Loading/Unloading Area or rail cars at Rail Car Station 3 by registered haulers to authorized facilities. The content of T-513 may also be pumped to T-800.

Wastewater and solids/sludges separated in the bottom of tank T-513 will be pumped to the Wastewater Treatment Plant (WWTP) for further treatment, or shipped off site as hazardous waste to an authorized facility.

A pump and piping system are dedicated for the service of the RCRA fuel blending and transfer for tanks T-800 and T-513.

Physical Description: Tank T-513 is steel above ground cylindrical tank with a shallow cone roof and flat bottom, and measures 13'6" in diameter and 24 feet high with 12 inches of freeboard.

The tank is mounted on concrete pad covered with a synthetic membrane barrier for leak detection. The tank is anchored to prevent movement during seismic event. The tank has a separate secondary containment structure to contain the tank's maximum capacity plus 25-year rainstorm. The containment structure will be coated with a suitable impervious material.

Maximum Capacity: T-513: 24,532 gallons

Waste Type: Halogenated hydrocarbons generated during the re-refining process, used oil, contaminated with solvents, and other RCRA wastes as listed below.

RCRA Air Emissions Standards: Tank T-513 is enclosed and vented to the facility vapor recovery system. Tank T-513 must comply with 40 CFR, 264 Subpart CC, and Article 28, Chapter 14, Division 4.5, Title 22 CA Code of Regulations

California Waste Codes: 133, 221, 222, 212, 213, 214, 223, 252, 261, 331, 342, 343, 612

RCRA Hazardous Waste Codes: D001, D004, D005, D006, D007, D008, D010, D011, D018, D019, D021, D022, D027, D028, D029, D030, D035, D036, D039, D040, F001, F002, F003, F004, F005, K048, K049, K050, K051, K052, U002, U003, U019, U031, U211, U044, U056, U070, U071, U072, U165, U057, U112, U154, U080, U159, U188, U196, U220, U228, U239

Unit Specific Special Conditions: The Permittee shall submit a proposed coating material for the secondary containment for written approval by DTSC no later than 30 days prior to the start of operation.

PROCESS UNIT DESCRIPTION No. 7

Unit 7: Waste Antifreeze Storage Tank

Unit Name: Tank T-500 (Existing: T-501D)

Location: West corner of the Tank Farm within concrete containment structure.

Activity Type: Storage in a tank
Waste Antifreeze Consolidation (Ethylene Glycol)
Gravity Separation

Operating Status: T-500 was built in 1986 and last inspected in 2001. The next inspection is in 2006.

Activity Description: Tank T-500 receives, stores and consolidates waste antifreeze from offsite sources. Waste antifreeze is received in trucks and drums. The contents of the drums and trucks are pumped into T-500 in the pumping station in the west loading/unloading area. Tables III-10 and III-18 of the Part B application specifies the analytical methods and criteria for accepting the waste antifreeze.

The waste antifreeze gravity separates in tank T-500 forming: oil, waste antifreeze and wastewater layers. The oil layer is pumped to tank T-502 and then shipped off site as hazardous waste to an authorized facility. The wastewater from the gravity separation will be pumped to tank T-651A, T-651-B, or T-652 for further treatment in the Wastewater Treatment System (WTS-DAF). Wastewater and sludges from T-500 may also be pumped to the Wastewater Treatment Plant (WWTP) for further treatment.

The waste antifreeze is shipped off site by truck in the West Loading/Unloading Area or by rail cars at Railcar Stations 1, 2, 3, and 4 to authorized recycling or disposal facilities.

Physical Description: Tank T-500 is a steel above ground cylindrical tank with a shallow cone roof and flat bottom. The tank operates at atmospheric temperature and pressure. The tank measures 13' 6" in diameter and 24 feet high with 12 inches of freeboard. The tank is on a concrete pad foundation covered with a synthetic membrane barrier for leak detection. Four equally spaced anchor bolts anchor the tank. The tank is contained in the tank farm secondary containment.

Air Emissions: The tank is enclosed and vented to the facility vapor recovery system.

Maximum Capacity: 24,532 gallons

Waste Type: Ethylene Glycol (Waste Antifreeze).

California Waste Code: 133, 134

RCRA Hazardous Waste Codes: None

Unit Specific Special Conditions: The maximum annual throughput of offsite waste antifreeze through Tank T-500 is one (1) million gallons.

PROCESS UNIT DESCRIPTION No. 8

Unit 8: Wastewater Management Oily Water Storage Tanks (Feed to the WST-DAF)

Unit Numbers: Tanks: T-651A, T-651B and T-652

Location: North corner of the facility Tank Farm

Activity Type: Storage in tanks
Treatment (gravity separation and blending)
Consolidation and transfer of oily water and wastewater

Operating Status: These are existing tanks, built in 1986, last inspected in 2001 and will be re-inspected in 2006.

Activity Description: The tanks are authorized to receive and store non-RCRA wastewater and oily water mixtures from on-site and off-site sources by truck in the East and West Loading/Unloading Areas and Rail Car Stations 1, 2, 3, and 4. Non-RCRA wastewater and oily water mixtures may also be received from the drum pumping station. Incoming wastes from offsite are tested, and if they are acceptable pursuant to the criteria specified in Tables III-8b and III-22-b of the Part B application, the waste is pumped to tanks T-651A, T-651 B or T-652. The analytical methods that are use for accepting incoming wastes to this unit are listed in Tables III-8 b and III-22-b of the Part B permit application.

Tanks T-651A, T-651B and T-652 are authorized to receive recovered wastewater from Tanks T-502, T-503A, T-505, T-507, T-509, T-506A through T-506F, T-512A through T-512C, T-651C.

Tank T-651A receives oily water and process water from the re-refinery and process area wash water from sump tanks X-453, X-454 and X-510.

The water contents of tanks T-651A, T-651B, and T-652 are treated in the Wastewater Treatment System (WTS-DAF). The water contents of tanks T-651A, T-651B and T-652 may also be treated in the Wastewater Treatment Plant (WWTP). The wastewater and sludges from tanks T-651A, T-651B and T-652 may also be treated in the Wastewater Treatment Plant (WWTP).

The oily layers in tanks T-651A, T-651B and T-652 are tested and may be transferred to tank T-502, T-800 and/or T-513 for off site disposal as hazardous waste at an authorized facility.

Oily water mixtures may also be transferred between tanks T-651A,

T-651B and T-652.

Physical Description: The tanks are steel above ground cylindrical tank with a shallow cone roof and flat bottom. Tanks T-651 A & B measure 14' in diameter and 27' high with 6 inches of freeboard. Tank T-652 measures 11' 11" in diameter and 12' high with 12" free board. The tanks are on a concrete pad foundation covered with a synthetic membrane barrier for leak detection. Eight equally spaced anchor bolts anchor the tanks. The tanks are located within the facility tank farm containment structure.

Maximum Capacity: Tanks T-651 A & B: 30,514 gallons each Tank T-652: 9,158 gallons

Air Emissions: These tanks are enclosed and vented to the vapor recovery system.

Waste Types: Used oil, oily waste, Non-RCRA wastewater

California Waste Codes: 132, 133, 134, 135, 221, 222, 223, 241

RCRA Hazardous Waste Codes: None

PROCESS UNIT DESCRIPTION No. 9

Unit 9: Wastewater Treatment Systems (WTS-DAF)

Location: South-central area of the Evergreen Facility

Activity Type: Treatment of oil water mixtures (gravity separation and sedimentation, air floatation, pH neutralization, chlorination, carbon adsorption, chemical treatment, sludge thickening, dewatering)

Operating Status: This is an existing unit as of the effective date of this permit.

Activity Description: Wastewater from tanks T-651A, T-651B and T-652, is fed to the Wastewater Treatment System Dissolved Air Floatation (WTS-DAF). The upper concentration limits for wastewater treated in the WTS-DAF and acceptance limits are shown on Tables III-8 b and III-22-b of the Part B application. As many as two coagulants are injected into wastewater as it flows to the Dissolved Air Floatation (DAF) chamber. These coagulants are thoroughly mixed in the first mixing chamber of the DAF. A flocculent is injected into wastewater to bind coagulated solids and oil particles. A pressurized recycle stream saturated with air is injected into wastewater. As the pressure in the recycle stream is released, dissolved air comes out of solution in the form of micro-bubbles. As conditioned wastewater flows into the clarification chamber of the DAF, precipitated and suspended solids and oil attach themselves to these bubbles and are floated to the top. Floated solids are skimmed into a float chamber. From time to time, any settled sludge at the bottom of the clarification chamber is dumped into a float chamber. Solids collected in the float chamber will be pumped to Vacuum Containers No. I & II in the wastewater treatment plant WWTP, or to tank T-502 where it will be shipped offsite to an authorized facility. Clarified effluent is pumped into tank T-704A. The wastewater is then treated with Chlorine Dioxide to remove phenols and other organics. Chlorine dioxide is generated by mixing sulfuric acid (T-730) with sodium chlorate and hydrogen peroxide (T-731).

Wastewater is then received in tank T-704B. Water coming out of T-704B is passed through a carbon bed to provide a continuous supply of active carbon for final polishing of the wastewater. These beds provide final removal of any remaining organic compounds prior to discharge to Union Sanitary District (POTW). Treated water is held in Tanks T-705A, through T-705C and T-706 for final testing to determine if it meets the POTW discharge standards. Tanks T-705 A, through T-705C and T-706 will be removed when the wastewater treatment plant (WWTP) and tanks TA-1208, TA-1209,

TA-1210 and TA-1211 are installed. Water not meeting the discharge limits will be re-treated by pumping it back through the treatment process or to the Wastewater Treatment Plant (WWTP). The water quality must be below the hazardous waste characteristic levels in order to be discharge to the POTW. If the water in tanks T-705 A through T-705C and T-706 still does not meet the discharge limits it will be shipped off site by truck at the West Loading/Unloading Area or by rail cars at Rail Car Stations 1, 2, 3, and 4. In case of failure in the WTS-DAF unit the wastewater from (WTS-DAF) and tanks T-651A and T-651B and T-652 will be pumped to Wastewater Treatment Plant (WWTP) for treatment.

Treated water from the WTS-DAF will be recycled and used in washing the trucks at the facility. Truck washing will be conducted at the east, west and the WWTP loading/unloading areas. The wash water will be re-treated at the WWTP.

Physical Description: The Wastewater Treatment System (WTS-DAF) consists of a skid mounted coagulation tank, air floatation tank, air compressor, mixing tanks. Please see Attachment IV-5-2 c & d of the Part B application for details. Tanks T-704A and T-704B and chemical supply tanks are located next to the (DAF) skid.

Maximum Capacity: 40-gallons per minute, 21 million gallons annually.

Waste Type: Non-RCRA oil water aqueous wastes, wastewater with contaminated petroleum products.

California Waste Codes: 132, 133, 134, 135, 221, 222, 223, 241

RCRA Hazardous Waste Codes: None

PROCESS UNIT DESCRIPTION No. 10

Unit10: East Loading/Unloading Area

Location: East side of Tank Farm, adjacent to Tanks T501 A - J containment

Activity Type: Loading and unloading of bulk waste liquids from trucks to receiving tanks
Truck to truck transfer of bulk waste liquids
Transfer of bulk waste and product liquids between tanks, trucks and rail cars

Operating Status: This is a new unit as of the effective date of this permit.

Activity Description: Trucks are parked in the area and waste is transferred using hose connections to the tank farm pumping systems and pumps, or the pumps on board the trucks. The transfer line from the truck to the tanks has basket strainers to catch the solids. When the baskets are full of solids it will be removed from service and cleaned in the Bobtail Filter Cleaning Area. In addition, filter baskets are present on each of the trucks to prevent solids from being pumped into the truck's tank. These filter baskets are also emptied and cleaned in the Bobtail Filter Cleaning Area. Solids from the filter baskets are emptied into a 55-gallon drum. The drums are to be kept closed at all times except when material is being added to the drum. When the drum is full it will be transferred to the drum storage and consolidation area for disposal.

Waste and product liquids are transferred to trucks from tank-farm tanks or may be transferred from trucks to tank farm tanks while parked in this area. Tanks involve in the transfer operations are T-500, T-501A through T-501J, T-502, T-503A through T-503C, T-505, T-506A through T-506F, T-507, T-509, T-651A, T-651B and T-652. Waste and product liquids are pumped from truck to truck while both trucks are parked within this area. Trucks will be parked in the area for transferring, loading and unloading. Waste and product liquids in trucks parked in this area are also transferred to and from rail cars positioned at Rail Car Loading/Unloading Stations 1, 2, 3 and 4.

Separate pipelines will be provided for RCRA and non-RCRA regulated wastes and for hazardous wastes and products.

Physical Description: The east loading/unloading area measures 25 feet by 130 feet and is paved with concrete. The area is sloped to the west and is provided with gravity drainage for spills that flow to the secondary containment structure for Tanks T-501 A through J. This secondary containment structure contains a sump which is located on the

south side of the containment structure. See Attachment IV-13-3.
The area is covered by an open-sided roof structure.

Maximum Capacity: The area is authorized to accept up to six trucks at one time.

Waste Type: Used oil, waste antifreeze, non-RCRA oil/water mixtures,
contaminated petroleum products, combustible oil and solvent
mixtures, liquid wastes with RCRA codes listed below.

California Waste Codes: 132, 133, 134, 135, 212, 213, 214, 221, 222, 223, 241, 252,
261, 331, 342, 343, 612

RCRA Hazardous Waste Codes: D004, D005, D006, D007, D008, D010, D011, D018,
D019, D021, D022, D027, D028, D029, D030, D035, D036, D039,
D040, F001, F002, F003, F004, F005, K048, K049, K050, K051,
K052, U002, U003, U019, U031, U211, U044, U056, U070, U071,
U072, U165, U057, U112, U154, U080, U159, U188, U196, U220,
U228, U239

PROCESS UNIT DESCRIPTION No. 11

Unit11: West Loading/Unloading Area & Drum Pumping Station

Location: West side of the facility, adjacent to the Tank Farm

Activity Type: Loading and unloading of bulk waste liquids between trucks and receiving tanks
Truck to truck transfer of bulk waste liquids
Pumping of drummed materials to and from receiving tanks
Loading and unloading of product materials

Operating Status: This is an existing unit as of the effective date of the permit except for the drum pumping station.

Activity Description: Trucks will be parked in the area and waste will be transferred to receiving tanks T-500, T-800, T-502, T-505, T-506A through T-506F, T-507, T-509, T-512A, T-512 B, T-512 C, T-513, T-651A, T-651B, T-651C, and T-652. In addition, drums of liquid waste will be pumped from the Drum Pumping Station to the receiving tanks noted above via an installed pumping station equipped with a diaphragm pump. Drums may include hazardous wastes from Drum Storage Areas 1, 2, and 3 and Drum Consolidation Pad. See Attachment IV-10-1 of the Part B application for a schematic of the Drum Pumping Station. Waste and product materials will also be transferred to trucks from tank farm tanks. Truck to truck transfers of waste and product materials will also occur in this area.

Separate pipelines must be provided for RCRA and non-RCRA regulated wastes.

Physical Description: The west loading/unloading is comprised of two separate sub areas: (1) The existing bobtail collection truck unloading area, which measures approximately 40 feet by 100 feet, and (2) the transport truck loading and unloading area which measures approximately 50 feet by 80 feet. Both areas are paved with concrete and are provided with a spill control drainage system, which drains to sump tank X-510. In the event that the capacity of sump tank X-510 is exceeded, sump tank X-510 is designed to overflow into a 20,000-gallon Detention Sump 2 located adjacent to sump tank X-510. If liquid overflows into the emergency spill containment sump, it will be emptied as soon as possible. The transport truck sub area is equipped with overhead loading arms and bottom loading hose connections for transferring product and waste materials. Both sub areas are covered by an open-sided roof structure. Grounding and bonding devices are provided.

A filter wash area is located adjacent to the bobtail collection truck

unloading area. The transfer line from the truck to the tanks has basket strainers to catch the solids. When the basket is full of solids it will be removed from service and cleaned in the Bobtail filter cleaning area. The bobtail collection trucks also contain filter baskets to prevent solids from being pumped into the truck tank. Filter baskets from the bobtail trucks will also be emptied and cleaned in the Bobtail. Solids from the filter baskets are emptied into a 55-gallon drum. The drum will be kept closed at all times except when material is being added to the container. When the drum is full, it will be transferred to the drum consolidation area for disposal.

Maximum Capacity: The bobtail sub area can accept up to six trucks at one time. The transport sub area can accept two semi-trailer trucks. The proposed drum pumping station will have a pumping capacity of 100 gallons per minute.

Air Emissions: Drum pumping operations and loading of ignitable materials must comply with 40 CFR, 264 Subpart CC and CCR Title 22, Division 4.5, Chapter 14, Articles 27 and 28.5 and will be connected to a vapor recovery system.

Waste Type: Used oil, waste antifreeze, non-RCRA oil/water mixtures, ignitable oil and solvent mixtures, liquid wastes with RCRA codes listed below.

California Waste Codes: 132, 133, 134, 135, 212, 213, 214, 221, 222, 223, 241, 252, 261, 331, 342, 343, 612

RCRA Hazardous Waste Codes: D001, D004, D005, D006, D007, D008, D010, D011, D018, D019, D021, D022, D027, D028, D029, D030, D035, D036, D039, D040, F001, F002, F003, F004, F005, K048, K049, K050, K051, K052, U002, U003, U019, U031, U211, U044, U056, U070, U071, U072, U165, U057, U112, U154, U080, U159, U188, U196, U220, U228, U239

PROCESS UNIT DESCRIPTION No. 12

Unit12: Wastewater Treatment Plant Loading/Unloading Area

Location: North side of Wastewater Treatment Plant (WWTP)

Activity Type: Loading and unloading of bulk liquid and sludge wastes
Washout of trucks

Operating Status: This is a new unit authorized by this permit..

Activity Description: Liquid and sludge wastes are transferred from a truck using hose connections to the WWTP. Waste materials are also transferred to trucks from the WWTP. A roll-off bin for the consolidation of sludges and solids from the WWTP is stored in the loading/unloading area.

Truck washouts use treated wastewater or water from the local water district. Wastewater from truck washouts are treated in the WWTP or sent-offsite for treatment/disposal.

Physical Description: The WWTP Loading/Unloading Area measures approximately 59'5" by 56'4" with a 12' by 20' extension on the west side for a roll-off bin. It is paved with concrete and is sloped to a drainage sump for secondary containment. The area is covered by an open-sided roof structure.

Maximum Capacity: The WWTP Loading/Unloading Area is able to accommodate up to four trucks and trailers at one time. The maximum capacity of a single truck is 7,000 gallons.

Air Emissions: Loading operations must comply with, Division 4.5, Chapter 14, Articles 27, 28, and 28.5 CCR Title 22.

Waste Type: Non-RCRA oil/water aqueous waste, oily wastes, liquid wastes with RCRA codes listed below.

California Waste Codes: 132, 133, 134, 135, 141, 214, 221, 222, 223, 241, 343, 551, 721, 722, 723, 724, 725, 726, 727, 728, 741, 751

RCRA Hazardous Waste Codes: D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D027, D028, D029, D030, D035, D036, D039, D040, F001, F002, F003, F004, F005, F037, F038, K048, K050, K157, K051

PROCESS UNIT DESCRIPTION No. 13

Unit13: Drum Storage Area, Pad #1

Location: West corner of the facility

Activity Type: Loading and unloading of containerized waste
Storage of containerized waste
Transfer/Consolidation of liquid waste from a container to a truck

Operating Status: This is a new unit authorized by this permit.

Activity Description: Containerized wastes are received and shipped from the drum storage area in trucks and railcars. See Table III-11 and III-12 of the Part B application for fingerprint testing required for incoming containerized RCRA and non-RCRA solid and liquid wastes. Container movement is to be performed manually with drum dollies or with an explosion proof forklift. Containers are stored directly on the concrete pad or on pallets. A minimum aisle space of 30 inches will be maintained for drums on the pad. 55-gallon drums will not be double stacked. Incompatible wastes are stored separately, and will not be mixed together in the same container. Gas cylinders will be received and stored on a storage rack specifically designed for cylinder storage. The rack is designed to store cylinders off of the ground to prevent liquids from coming into contact with the cylinders. Ignitable wastes and flammable gas cylinders are to be stored a minimum distance of 50 feet from the property line. Cylinders may only be received at the facility to be shipped off-site for treatment/disposal at a properly permitted facility.

Containers may also be transferred to the Drum Consolidation Pad (Process Unit Description No. 22) for consolidation or solidification.

Prior to transferring the containers to the Drum Consolidation Pad, the chemist or operator will test the waste for compatibility with wastes intended for treatment and the receiving container. Liquid wastes may also be transferred from a container into a tank truck using the pump installed on the truck for offsite disposal. Waste containers must remain closed at all times.

Hazardous wastes that are authorized to be treated or stored in other units authorized by this permit may be transferred to these units for treatment or storage via vacuum trucks or transferred in its original container to the West Loading/Unloading Area & Drum Pumping (Process Unit Description No. 11).

Physical Description: Pad #1 of the Drum Storage Area measures 38 feet by 86 feet and consists of a concrete pad surrounded by a six-inch high concrete curb. A drive-over ramp is provided on the receiving side

of the pad. The pad is covered by an open-sided roof structure. Pad #1 will be used for the storage of acids, gas cylinders, and non-RCRA and RCRA (excluding flammable and reactive) solid and liquid wastes. A six-inch curb will separate each of the waste types stored on Pad #1. A spill recovery sump measuring 24 inches by 24 inches with a depth of 18 inches is provided in each segregated containment area of the drum pad. Each containment area has a slope to direct liquids to the spill recovery sump. A concrete loading ramp that extends 20 feet is provided. Attachments IV-1-1 and IV-1-2a of the Part B application provide further information regarding drum pad design. A sealant will also be applied to the containment pad to prevent liquids from penetrating or permeating through the containment area.

Maximum Capacity: Pad #1 may be used to store a maximum of 336 55-gallon drums, or an equivalent combination of DOT approved containers and 20 gas cylinders with maximum dimensions of 9 ¼" diameter and 60" in length.

The 336 55-gallons drums will consist of a maximum of:
240 55-gallon drums of non-RCRA and RCRA (excluding ignitable, reactive, and corrosive) solid and liquid wastes,
96 55-gallon drums of acids, and 20 gas cylinders.

Containers of lab packed waste materials will be stored in areas that are compatible with the waste in the container. Up to 260 drums may be managed daily in the entire Drum Storage Area consisting of Pads #1, #2, and #3.

RCRA Air Emission Standards: Containers must comply with 40 CFR, 264 Subpart CC and Title 22 CCR, Division 4.5, Chapter 14, Articles 27, 28, and 28.5. Vapors from drum management activities will be sent through the drum pad vapor recovery system, which will consist of a hood, knockout pot, blower, activated carbon bed, pump, tank and scrubber. A process and instrumentation diagram can be found on Drawing DPVRS-01 located in Section V Attachment V-3 of the Part B application.

Waste Type: Flammable gases, non-flammable gases, used oil, waste antifreeze, non-RCRA oil/water mixtures, contaminated petroleum products, combustible oil and solvent mixtures, solids contaminated with non-RCRA wastes, acidic liquid and solid waste materials. Table III-4 identifies waste types for this unit.

California Waste Codes: 123, 132, 133, 134, 135, 141, 171, 172, 181, 212, 213, 214, 221, 222, 223, 231, 241, 251, 252, 261, 272, 281, 291, 331, 341, 342, 343, 352, 351, 451, 461, 491, 511, 512, 513, 551, 611, 612, 721, 722, 723, 724, 725, 726, 727, 728, 741, 751, 791, 792

RCRA Hazardous Waste Codes: D001, D002, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D027, D028, D029, D030, D035, D036, D039, D040, F001, F002, F003, F004, F005, F006, F037, F038, K048, K049, K050, K051, K052, K157, P011, P012, P029, P098, P105, P106, P120, U007, U012, U021, U211, U034, U044, U052, U070, U071, U072, U105, U106, U122, U134, U151, U080, U165, U183, U188, U201, U218, U219, U228, U043

PROCESS UNIT DESCRIPTION No. 14

Unit14: Drum Storage Area, Pad #2

Location: West corner of facility

Activity Type: Loading and unloading of containerized waste
Storage of containerized waste
Transfer/Consolidation of liquid waste from a container to a truck

Operating Status: This is a new unit authorized by this permit.

Activity Description: Containerized wastes are received and shipped from the Drum Storage Area in trucks and railcars. See Tables III-11 and III-12 of the Part B application for fingerprint testing required of incoming containerized RCRA and non-RCRA solid and liquid wastes. Container movement is performed manually with drum dollies or with an explosion-proof forklift. Containers are stored directly on the concrete pad or on pallets. A minimum aisle space of 30 inches will be maintained for drums on the pad. 55-gallon drums will not be double stacked. Ignitable wastes and reactive wastes are stored in designated areas in Drum Storage Pad #2 and are located at least 50 feet from the nearest property boundary. Incompatible wastes are stored separately and will not be mixed together in the same container.

Containers may also be transferred to the Drum Consolidation Pad (Process Unit Description No. 22) for consolidation or solidification. Prior to transferring the containers to the Drum Consolidation Pad, the chemist or operator will test the waste for compatibility with wastes intended for treatment and the receiving container. Liquid wastes may also be transferred from a container into a tank truck using the pump installed on the truck for offsite disposal. Waste containers must remain closed at all times.

Hazardous wastes that are authorized to be treated or stored in other units authorized by this permit may be transferred to these units for treatment or storage via vacuum trucks or transferred in its original container to the West Loading/Unloading Area & Drum Pumping (Process Unit Description No. 11).

Physical Description: Pad #2 of the Drum Storage Area measures 38 feet by 86 feet and consists of a concrete pad surrounded by a six-inch high concrete curb. A drive-over ramp is provided on the receiving side of the pad. The pad is covered by an open-sided roof structure. Pad #2 is used for the storage of ignitables, reactives, and toxics. A six-inch curb will be used to separate the three areas used to store toxics, reactives and ignitable wastes. Ignitable and reactive

waste containers will be stored a minimum distance of 50 feet from the property line. A spill recovery sump measuring 24 inches by 24 inches with a depth of 18 inches is provided in each segregated containment area of the drum pad. Each containment area has a slope to direct liquids to the spill recovery sump. A concrete loading ramp that extends 20 feet will be provided. A sealant will also be applied to the containment pad to prevent liquids from penetrating or permeating through the containment area.

Maximum Capacity: Pad #2 will store a maximum of 336 55-gallon drums, or an equivalent combination of DOT approved containers. The 336 55-gallon drums will consist of a maximum of:

240 55-gallon drums of ignitables, combustibles, and fuels,
32 55-gallon drums of reactives, and
64 55-gallon drums of toxics.

Containers of lab packed waste materials will be stored in areas that are compatible with the waste in the container. Up to 260 drums may be managed at any one time in the entire Drum Storage Area which consists of Pad #1, #2 and #3.

RCRA Air Emission Standards: Containers must comply with 40 CFR, 264 Subpart CC and Title 22, CCR, Division 4.5, Chapter 14, Articles 27, 28, and 28.5. Vapors from drum management activities will be sent through the portable drum pad vapor recovery system, which will consist of a hood, knockout pot, blower, activated carbon bed, pump, tank and scrubber. The drum pad vapor recovery system is designed to be portable so that it can be moved to any of the drum pads where transfer, consolidation, and solidification activities are taking place.

Waste Type: Used oil, waste antifreeze, contaminated petroleum products, ignitable/combustible oil and solvent mixtures, liquid and solid wastes with RCRA codes listed below. Table III-4 identifies waste types for this unit.

California Waste Codes: 121, 122, 123, 132, 133, 134, 135, 141, 171, 172, 181, 212, 213, 214, 221, 222, 223, 231, 241, 251, 252, 261, 272, 281, 291, 331, 341, 342, 343, 352, 351, 451, 461, 491, 511, 512, 513, 551, 611, 612, 721, 722, 723, 724, 725, 726, 727, 728, 741, 751, 791, 792

RCRA Hazardous Waste Codes: D001, D002, D003, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D027, D028, D029, D030, D035, D036, D039, D040, F001, F002, F003, F004, F005, F006, F037, F038, K048, K049, K050, K051, K052, K157, P011, P012, P022, P029, P058, P098, P105, P106, P120, P120, U001, U002, U003, U007, U012, U019, U021, U031, U211, U034, U044,

U052, U056, U057, U070, U071, U072, U105, U106, U112, U117,
U122, U151, U154, U080, U159, U165, U183, U188, U196, U201,
U218, U219, U220, U228, U404, U043, U239

PROCESS UNIT DESCRIPTION No. 15

Unit15: Drum Storage Area, Pad #3

Location: West corner of facility

Activity Type: Loading and unloading of containerized waste
Storage of containerized waste
Transfer/Consolidation of waste between containers
Transfer/Consolidation of liquid waste from a container to a truck
Waste solidification & consolidation in DOT approved containers
Lab packing and repackaging of waste materials

Operating Status: This is a new unit authorized by this permit.

Activity Description: Containerized wastes are received and shipped from the drum storage area in trucks and railcars. See Tables III-11 and III-12 of the Part B application for fingerprint testing required of incoming containerized RCRA and non-RCRA solid and liquid wastes. Container movement is performed manually with drum dollies or with an explosion proof forklift. Containers are stored directly on the concrete pad or on pallets. A minimum aisle space of 30 inches will be maintained for drums on the pad. 55-gallon drums will not be double stacked. Incompatible wastes are stored separately and will not be mixed together in the same container.

Containers may also be transferred to the Drum Consolidation Pad (Process Unit Description No. 22) for consolidation or solidification. Prior to transferring the containers to the Drum Consolidation Pad, the chemist or operator will test the waste for compatibility with wastes intended for treatment and the receiving container. Liquid wastes may also be transferred from a container into a tank truck using the pump installed on the truck for offsite disposal. Waste containers must remain closed at all times.

Hazardous wastes that are authorized to be treated or stored in other units authorized by this permit may be transferred to these units for treatment or storage via vacuum trucks or transferred in its original container to the West Loading/Unloading Area & Drum Pumping (Process Unit Description No. 11).

Physical Description: Pad #3 of the drum storage area measures 38 feet by 86 feet and consists of a concrete pad surrounded by a six-inch high concrete curb. A drive-over ramp is provided on the receiving side of the pad. The pad is covered by an open-sided roof structure. Pad #3 stores waste containers of oxidizers, bases, and non-RCRA and RCRA (excluding ignitable and reactive) solids and liquids. A six-inch curb will be used to separate each of the waste types stored

on Pad #3. A spill recovery sump measuring 24 inches by 24 inches with a depth of 18 inches is provided in each segregated containment area of the drum pad. Each containment area has a slope to direct liquids to the spill recovery sump. A concrete loading ramp that extends 20 feet is provided. A sealant is also applied to the containment pad to prevent liquids from penetrating or permeating through the containment area.

Maximum Capacity: Pad #3 will store a maximum of 336 55-gallon drums, or an equivalent combination of DOT approved containers. The 336 55-gallons drums will consist of a maximum of:

240 55-gallon drums of non-RCRA and RCRA (excluding ignitable, reactive and corrosive) solid and liquid wastes, 64 55-gallon drums of bases, and 32 55-gallon drums of oxidizers.

Containers of lab packed waste materials will be stored in areas that are compatible with the waste in the container. Up to 260 drums will be managed daily in the entire Drum Storage Area, which consists of Pads #1, #2, and #3.

RCRA Air Emission Standards: Containers must comply with 40 CFR, 264 Subpart CC and Title 22 CCR Division 4.5, Chapter 14, Articles 27, 28, and 28.5. Vapors from drum management activities will be sent through the portable drum pad vapor recovery system, which will consist of a hood, knockout pot, blower, activated carbon bed, pump, tank and scrubber. The drum pad vapor recovery system is designed to be portable so that it can be moved to any of the drum pads where transfer, consolidation, and solidification activities are taking place.

Waste Type: Used oil, waste antifreeze, non-RCRA oil/water mixtures, contaminated petroleum products, combustible oil and solvent mixtures, solids contaminated with non-RCRA wastes, solid and liquid corrosive bases, and liquid and solid wastes with the RCRA and non-RCRA codes listed below.

California Waste Codes: 121, 122, 123, 132, 133, 134, 135, 141, 171, 172, 181, 212, 213, 214, 221, 222, 223, 231, 241, 251, 252, 261, 272, 281, 291, 331, 341, 342, 343, 352, 351, 451, 461, 491, 511, 512, 513, 551, 611, 612, 721, 722, 723, 724, 725, 726, 727, 728, 741, 751, 791, 792

RCRA Hazardous Waste Codes: D001, D002, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D027, D028, D029, D030, D035, D036, D039, D040, F001, F002, F003, F004, F005, F006, F037, F038, K048, K049, K050, K051, K052, K157, P011, P012, P029, P058, P098, P105, P106, P120, P120, U007, U012, U021, U211, U034, U044, U052, U070, U071, U072, U105, U106, U122, U151, U080, U165, U183, U188, U196, U201, U218, U219, U228,

U404

PROCESS UNIT DESCRIPTION No. 16

Unit16: Rail Car Loading/Unloading Station 1

Location: Southeast side of facility.

Activity Type: Loading of bulk product and waste liquids from tanks to rail cars
Offloading of bulk product and waste liquids from railcars to tanks
Truck to rail transfer of bulk products and waste liquids
Railcar to railcar transfer of bulk products and wastes
Loading and unloading of drummed and other containerized wastes
Cleaning of railcars

Operating Status: Station 1 is a new unit authorized by this permit..

Activity Description: Railcars are positioned at Station 1 for loading/unloading of product and waste materials. Bulk product liquids are loaded onto railcars positioned at Station 1 from Tanks T-503 A through T-503C, T508 A through T-508D, T-510, T-511 A through T-511C, T-514 A through T-514D, and TG-A through TG-C. Bulk product liquids may also be unloaded from railcars positioned at Station 1 to the product tanks identified above. Bulk waste liquids are transferred to railcars positioned at Station 1 from Tanks T-500, T-501 A through T-501J, T-502, T-505, T-506 A through T-506F, T-507, T-509, T-651 A, T-651B, T-652, and tanks TA-1208, TA-1209, TA-1210, and TA-1211 located in the Wastewater Treatment Plant (WWTP). Bulk waste liquids may also be unloaded from railcars positioned at Station 1 into the waste tanks identified above. Ignitable and reactive materials will not be loaded or unloaded at Station 1. Incoming RCRA and non-RCRA wastes are sampled and screened for acceptance pursuant to section III of the Part B application prior to being transferred from the rail car, if they are destined for the facility.

Transfers of bulk products and waste liquids from trucks to railcars positioned at Station 1 will occur. During transfer operations trucks will be parked at the East Loading/Unloading Area.

Railcar to railcar transfer of product and waste liquids occurs at Station 1. Hazardous waste liquids may be transferred to railcars positioned at Station 2, 3 and 4 from Station 1, and liquids may also be transferred to railcars positioned at Station 1 from the railcar loading/unloading stations identified above.

Drummed and other containerized wastes are unloaded from railcar containers positioned at Station 1 to the Drum Storage Area. Drummed and other containerized wastes are also loaded on to railcar containers positioned at Station 1 from the Drum Storage

Area. All incoming bulk wastes are sampled and screened for acceptance pursuant to section III of the Part B application prior to being unloaded from the railcar, if they are manifested to the Evergreen Oil, Inc. facility.

Rail tank cars may also be cleaned internally by facility personnel while parked at Railcar Loading/Unloading Station 1. Liquid and solid waste will be collected from the rail car by a vacuum truck parked on the adjacent perimeter road or via facility pumps and hose connections. Hoses will be connected to hose connections on the railcar or placed in the railcar through the dome opening on the top of the railcar to remove solid and liquid materials during cleaning operations. The cleaning operation is totally contained. Water used in the cleaning operation may be treated wastewater or water supplied by the local water district. Liquids and solids from railcar cleaning operations are transferred to the Wastewater Treatment Plant (WWTP) for treatment or are shipped off-site.

Physical Description: Railcar Station 1 has an impervious spill containment structure which extends between the rails and longitudinally along the track for 50 feet and is 8 feet wide. The surrounding containment curb height at Station 1 is four inches. The containment structure for Station 1 is intended to drain by gravity through installed piping to the secondary containment structure for Tanks T-501A through T-501J located north of the East Loading/Unloading Area.

An overhead loading arm for transferring products and wastes and a bottom loading/unloading connection are provided. Station 1 is covered by an open-sided roof structure.

Maximum Capacity: Each station will have the ability to hold one rail tank car (maximum 25,000 gallons).

Air Emissions: Loading and unloading operations will comply with Title 22 CCR, Division 4.5, Chapter 14, Articles 27, 28 and 28.5. Vapors from bulk liquid loading and unloading operations will be vented to the railcar vapor recovery system which is depicted in drawing RCVRS-02 located in Section V Attachment V-3 of the Part B application.

Waste Type: Used oil, waste antifreeze, non-RCRA oil/water mixtures, combustible oil and solvent mixtures, contaminated petroleum products, solids contaminated with non-RCRA wastes, and liquid and solid wastes with RCRA and non-RCRA codes identified below.

California Waste Codes: 121, 122, 123, 132, 133, 134, 135, 141, 171, 172, 181, 212, 213, 214, 221, 222, 223, 231, 241, 251, 252, 261, 272, 281, 291, 331, 341, 342, 343, 352, 351, 451, 461, 491, 511, 512, 513, 551, 611, 612, 721, 722, 723, 724, 725, 726, 727, 728, 741, 751, 791, 792

RCRA Hazardous Waste Codes: D002, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D027, D028, D029, D030, D035, D036, D039, D040, F001, F002, F003, F004, F005, F006, F037, F038, K048, K049, K050, K051, K052, K157, P011, P012, P022, P029, P058, P098, P105, P106, P120, P120, U001, U002, U003, U007, U012, U019, U021, U031, U211, U034, U044, U052, U056, U057, U070, U071, U072, U105, U106, U112, U117, U122, U134, U151, U154, U080, U159, U165, U183, U188, U196, U201, U218, U219, U220, U228, U404, U043, U239

PROCESS UNIT DESCRIPTION No. 17

Unit17: Rail Car Loading/Unloading Station 2

Location: Southeast side of facility.

Activity Type: Loading of bulk product and waste liquids from tanks to rail cars
Offloading of bulk product and waste liquids from railcars to tanks
Truck to rail transfer of bulk products and waste liquids
Railcar to railcar transfer of bulk products and wastes
Loading and unloading of drummed and other containerized wastes
Cleaning of railcars

Operating Status: Station 2 is a new unit authorized by this permit.

Activity Description: Railcars are positioned at Station 2 for the loading/unloading of product and waste materials. Bulk product liquids are loaded onto railcars positioned at Station 2 from Tanks T-503 A through T-503C, T-508 A through T-508D, T-510, T-511 A through T-511C, T-514 A through T-514D, and TG A through TG-C. Bulk product liquids may also be unloaded from railcars positioned at Station 2 to the product tanks identified above. Bulk waste liquids are transferred to railcars positioned at Station 2 from Tanks T-500, T-501 A through T-501J, T-502, T-505, T-506A through T-506F, T-507, T-509, T-651A, T-651B, T-652, and tanks TA-1208, TA-1209, TA-1210, and TA-1211 located in the Wastewater Treatment Plant (WWTP). Bulk waste liquids may also be unloaded from railcars positioned at Station 2 into the waste tanks identified above. Ignitable and reactive materials may not be loaded or unloaded at Station 2. Incoming RCRA and non-RCRA wastes are sampled and screened for acceptance pursuant to section III of the Part B application prior to being transferred from the rail car, if they are destined for the facility.

Transfers of bulk products and waste liquids from trucks to railcars positioned at Station 2 will occur. During transfer operations, trucks will be parked at the East Loading/Unloading Area.

Railcar to railcar transfer of product and waste liquids occurs at Station 2. Liquids may be transferred to railcars positioned at Station 1, 3 and 4 from Station 2, and liquids may also be transferred to railcars positioned at Station 2 from the railcar loading/unloading stations identified above.

Drummed and other containerized wastes are unloaded from railcar containers positioned at Station 2 to the Drum Storage Area. Drummed and other containerized wastes are also loaded on to railcar containers positioned at Station 2 from the Drum Storage

Area. All incoming bulk wastes are sampled and screened for acceptance pursuant to section III of the Part B application prior to being unloaded from the railcar, if they are manifested to the Evergreen Oil, Inc. facility for storage or treatment.

A rail tank car may also be cleaned internally by facility personnel while parked at Railcar Loading/Unloading Station 2. Liquid and solid waste will be collected from the rail car by a vacuum truck parked on the adjacent perimeter road or via facility pumps and hose connections. Hoses will be connected to hose connections on the railcar or placed in the railcar through the dome opening on the top of the railcar to remove solid and liquid materials during cleaning operations. The cleaning operation is totally contained. Water used in the cleaning operation may come from treated wastewater or water supplied by the local water district. Liquids and solids from railcar cleaning operations are transferred to the Wastewater Treatment Plant (WWTP) for treatment or are shipped off-site as hazardous waste to an authorized facility..

Physical Description: Railcar Station 2 is provided with an impervious spill containment structure which extends between the rails and longitudinally along the track for 50 feet and is 8 feet wide. The surrounding containment curb height at Station 2 is four inches. The containment structure for Station 2 gravity drains through installed piping to the secondary containment structure for Tanks T-501A through T-501J located north of the East Loading/Unloading Area.

An overhead loading arm for transferring products and wastes is provided. A bottom loading/unloading connection will also be provided.

Maximum Capacity: Each station will have the ability to hold one rail tank car (maximum 25,000 gallons).

Air Emissions: Loading and unloading operations will comply with Title 22 CCR, Division 4.5, Chapter 14, Articles 27, 28 and 28.5. Vapors from bulk liquid loading and unloading operations will be vented to the railcar vapor recovery system which is depicted in drawing RCVRS-02 located in Section V Attachment V-3 of the Part B application.

Waste Type: Used oil, waste antifreeze, non-RCRA oil/water mixtures, combustible oil and solvent mixtures, contaminated petroleum products, solids contaminated with non-RCRA wastes, and liquid and solid wastes with RCRA and non-RCRA codes identified below.

California Waste Codes: 121, 122, 123, 132, 133, 134, 135, 141, 171, 172, 181, 212, 213, 214, 221, 222, 223, 231, 241, 251, 252, 261, 272, 281, 291, 331, 341, 342, 343, 352, 351, 451, 461, 491, 511, 512, 513, 551, 611, 612, 721, 722, 723, 724, 725, 726, 727, 728, 741, 751, 791,

RCRA Hazardous Waste Codes: D002, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D027, D028, D029, D030, D035, D036, D039, D040, F001, F002, F003, F004, F005, F006, F037, F038, K048, K049, K050, K051, K052, K157, P011, P012, P022, P029, P058, P098, P105, P106, P120, P120, U001, U002, U003, U007, U012, U019, U021, U031, U211, U034, U044, U052, U056, U057, U070, U071, U072, U105, U106, U112, U117, U122, U134, U151, U154, U080, U159, U165, U183, U188, U196, U201, U218, U219, U220, U228, U404, U043, U239

PROCESS UNIT DESCRIPTION No. 18

Unit18: Rail Car Loading/Unloading Station 3

Location: Southeast side of facility.

Activity Type: Loading of bulk product and waste liquids from tanks to rail cars
Offloading of bulk product and waste liquids from railcars to tanks
Truck to rail transfer of bulk products and waste liquids
Railcar to railcar transfer of bulk products and wastes
Loading and unloading of drummed and other containerized wastes
Cleaning of railcars

Operating Status: Station 3 is a new unit authorized by this permit.

Activity Description: Railcars are positioned at Station 3 for loading/unloading of product and waste materials. Bulk product liquids are loaded onto railcars positioned at Station 3 from Tanks T-503 A through T-503C, T-508A through T-508D, T-510, T-511A through T-511C, T-514A through T-514D, and TG-A through TG-C. Bulk product liquids may also be unloaded from railcars positioned at Station 3 to the product tanks identified above. Bulk waste liquids are transferred to railcars positioned at Station 3 from Tanks T-500, T-501A through T-501J, T-502, T-505, T-506A through T-506F, T-507, T-509, T-513, T-651A, T-651B, T-652, T-800, and tanks TA-1208, TA-1209, TA-1210, and TA-1211 located in the Wastewater Treatment Plant (WWTP). Bulk waste liquids may also be unloaded from railcars positioned at Station 3 into the waste tanks identified above. Station 3 is located over 50 feet from the property line and is to be used for the loading and unloading of ignitable and reactive materials. Incoming RCRA and non-RCRA wastes are sampled and screened for acceptance pursuant to section III of the Part B application prior to being transferred from the rail car, if they are destined for the facility for storage or treatment.

Transfers of waste liquids from trucks to railcars positioned at Station 3 will occur. During transfer operations, trucks will be parked at the East Loading Area.

Railcar to railcar transfer of product and waste liquids occurs at Station 3. Liquids may be transferred to railcars positioned at Station 1, 2 and 4 from Station 3, and liquids may also be transferred to railcars positioned at Station 3 from the railcar loading/unloading stations identified above.

Drummed and other containerized wastes are unloaded from railcar containers positioned at Station 3 to the Drum Storage Area. Drummed and other containerized wastes are also loaded on to

railcar containers from the Drum Storage Area. Drummed ignitable and reactive wastes will be loaded and unloaded at Station 3 because it is over 50 feet from the property line. All incoming bulk wastes are sampled and screened for acceptance pursuant to section III of the Part B application prior to being unloaded from the railcar, if they are manifested to the Evergreen Oil, Inc. facility.

A rail tank car may also be cleaned internally by facility personnel while parked at Railcar Loading/Unloading Station 3. Liquid and solid waste will be collected from the rail car by a vacuum truck parked on the adjacent perimeter road or via facility pumps and hose connections. Hoses are connected to hose connections on the bottom of the railcar or placed through the dome opening on the top of the railcar to remove solid and liquid materials during cleaning operations. The cleaning operation is totally contained. Water used in the cleaning operation may be treated wastewater or water supplied by the local water district. Liquids and solids from railcar cleaning operations are transferred to the Wastewater Treatment Plant (WWTP) for treatment or are shipped off-site.

Physical Description: Railcar Station 3 is provided with an impervious spill containment structure which extends between the rails and longitudinally along the track for 50 feet and is 8 feet wide. The surrounding containment curb height at Station 3 is four inches. The containment structure for Station 3 gravity drains through installed piping to the secondary containment structure for Tanks T-501A through T-501J located north of the East Loading/Unloading Area.

An overhead loading arm for transferring products and wastes and a bottom loading/unloading connection are provided.

Maximum Capacity: Each station will have the ability to hold one rail tank car (maximum 25,000 gallons).

Air Emissions: Loading and unloading operations will comply with Title 22 CCR, Division 4.5, Chapter 14, Articles 27, 28 and 28.5. Vapors from bulk liquid loading and unloading operations will be vented to the railcar vapor recovery system which is depicted in drawing RCVRS-02 located in Section V Attachment V-3 of the Part B application.

Waste Type: Used oil, waste antifreeze, non-RCRA oil/water mixtures, combustible oil and solvent mixtures, contaminated petroleum products, solids contaminated with non-RCRA wastes, RCRA fuels, and liquid and solid wastes with RCRA and non-RCRA codes identified below.

California Waste Codes: 121, 122, 123, 132, 133, 134, 135, 141, 171, 172, 181, 212, 213, 214, 221, 222, 223, 231, 241, 251, 252, 261, 272, 281, 291, 331, 341, 342, 343, 352, 351, 451, 461, 491, 511, 512, 513, 551,

611, 612, 721, 722, 723, 724, 725, 726, 727, 728, 741, 751, 791,
792

RCRA Hazardous Waste Codes: D001, D002, D003, D004, D005, D006, D007, D008,
D009, D010, D011, D018, D019, D021, D022, D027, D028, D029,
D030, D035, D036, D039, D040, F001, F002, F003, F004, F005,
F006, F037, F038, K048, K049, K050, K051, K052, K157, P011,
P012, P022, P029, P058, P098, P105, P106, P120, P120, U001,
U002, U003, U007, U012, U019, U021, U031, U211, U034, U044,
U052, U056, U057, U070, U071, U072, U105, U106, U112, U117,
U122, U134, U151, U154, U080, U159, U165, U183, U188, U196,
U201, U218, U219, U220, U228, U404, U043, U239

PROCESS UNIT DESCRIPTION No. 19

Unit19: Rail Car Loading/Unloading Station 4

Location: Southeast side of facility.

Activity Type: Loading of bulk product and waste liquids from tanks to rail cars
Offloading of bulk product and waste liquids from railcars to tanks
Truck to rail transfer of bulk products and waste liquids
Railcar to railcar transfer of bulk products and wastes
Loading and unloading of drummed and other containerized wastes
Cleaning of railcars

Operating Status: Station 4 is a new unit authorized by this permit.

Activity Description: Railcars are positioned at Station 4 for loading/unloading of product and waste materials. Bulk product liquids are loaded onto railcars positioned at Station 4 from Tanks T-503A through T-503C, T-508A through T-508D, T-510, T-511A through T-511C, T-514A through T-514D, and TG-A through TG-C. Bulk product liquids may also be unloaded from railcars positioned at Station 4 to the product tanks identified above. Bulk waste liquids are transferred to railcars positioned at Station 4 from Tanks T-500, T-501A through T501J, T-502, T-505, T-506A through T-506F, T-507, T-509, T-651A, T-651B, T-652, and tanks TA-1208, TA-1209, TA-1210, and TA-1211 located in the Wastewater Treatment Plant (WWTP). Bulk waste liquids may also be unloaded from railcars positioned at Station 4 into the waste tanks identified above. Ignitable and reactive materials will not be loaded or unloaded at Station 4. Incoming RCRA and non-RCRA wastes are sampled and screened for acceptance pursuant to section III of the Part B application prior to being transferred from the rail car, if they are destined for the facility.

Transfers of waste liquids from trucks to railcars positioned at Station 4 will occur. During transfer operations, trucks will be parked at the East Loading/Unloading Area.

Railcar to railcar transfer of product and waste liquids occurs at Station 4. Liquids may be transferred to railcars positioned at Station 1, 2 and 3 from Station 4, and liquids may also be transferred to railcars positioned at Station 4 from the railcar loading/unloading station identified above.

Drummed and other containerized wastes are unloaded from railcar containers positioned at Station 4 to the Drum Storage Area. Drummed and other containerized wastes are also loaded on to railcar containers from the Drum Storage Area. All incoming bulk

wastes are sampled and screened for acceptance pursuant to section III of the Part B application prior to being unloaded from the railcar, if they are manifested to the Evergreen Oil, Inc. facility for treatment or storage.

A rail tank car may also be cleaned internally by facility personnel while parked at Railcar Loading/Unloading Station 4. Liquid and solid waste will be collected from the rail car by a vacuum truck parked on the adjacent perimeter road or via facility pumps and hose connections. Hoses will be connected to hose connections on the railcar or placed in the railcar through the dome opening on the top of the railcar to remove solid and liquid materials during cleaning operations. The cleaning operation is totally contained. Water used in the cleaning operation may be treated wastewater or water supplied by the local water district. Liquids and solids from railcar cleaning operations are transferred to the Wastewater Treatment Plant (WWTP) for treatment or are shipped off-site.

Physical Description: Railcar Station 4 is provided with an impervious spill containment structure which extends between the rails and longitudinally along the track for 50 feet and is 8 feet wide. The surrounding containment curb height at Station 4 is four inches. The containment structure for Station 4 gravity drains through installed piping to the secondary containment structure for Tanks T-501A through T-501J located north of the East Loading/Unloading Area.

An overhead loading arm for transferring products and wastes and a bottom loading/unloading connection are provided.

Maximum Capacity: Each station will have the ability to hold one rail tank car (maximum 25,000 gallons).

Air Emissions: Loading and unloading operations will comply with Title 22 CCR, Division 4.5, Chapter 14, Articles 27, 28 and 28.5. Vapors from bulk liquid loading and unloading operations will be vented to the railcar vapor recovery system which is depicted in drawing RCVRS-02 located in Section V Attachment V-3 of the Part B application.

Waste Type: Used oil, waste antifreeze, non-RCRA oil/water mixtures, combustible oil and solvent mixtures, contaminated petroleum products, solids contaminated with non-RCRA wastes, and liquid and solid wastes with RCRA and non-RCRA codes identified below.

California Waste Codes: 121, 122, 123, 132, 133, 134, 135, 141, 171, 172, 181, 212, 213, 214, 221, 222, 223, 231, 241, 251, 252, 261, 272, 281, 291, 331, 341, 342, 343, 352, 351, 451, 461, 491, 511, 512, 513, 551, 611, 612, 721, 722, 723, 724, 725, 726, 727, 728, 741, 751, 791, 792

RCRA Hazardous Waste Codes: D002, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D027, D028, D029, D030, D035, D036, D039, D040, F001, F002, F003, F004, F005, F006, F037, F038, K048, K049, K050, K051, K052, K157, P011, P012, P022, P029, P058, P098, P105, P106, P120, P120, U001, U002, U003, U007, U012, U019, U021, U031, U211, U034, U044, U052, U056, U057, U070, U071, U072, U105, U106, U112, U117, U122, U134, U151, U154, U080, U159, U165, U183, U188, U196, U201, U218, U219, U220, U228, U404, U043, U239

PROCESS UNIT DESCRIPTION No. 20

Unit 20: Wastewater Treatment Plant (WWTP)

(See Attachment IV-12-4, 5 & 6 of the Part B application for process flow diagram)

Location: South-central Area of Evergreen Oil Facility

Activity Type: Storage of bulk liquid wastewater
Tank treatment of liquid wastes (gravity sedimentation, solid separation, air floatation, filtration, pH adjustment, organics stripping, chlorination, metals removal, carbon adsorption, chemical treatment, sludge thickening, dewatering)

Operating Status: This is a proposed new unit authorized by this permit.

Activity Description: After the wastewater is tested and accepted at the facility as outlined on Table III-8a of the Part B application, it will be transferred from the trucks to the Vacuum Containers I and II TA-1218 & TA-1219 using a hose connection. The upper limits of the contaminants that may be accepted in the WWTP are listed on Table III-22a of the Part B application. Wastewater may also be received in rail cars at Rail Car Stations 1,2, 3, and 4. A slight vacuum is maintained in the container using the vacuum pumps P-1505A and P-1505B or using the truck's vacuum pump. A roll-off bin is located in the area to receive sludge from the WWTP dewatering unit and other related solid wastes. The roll-off bin is an accumulation container.

The wastewater then is transferred from the Vacuum Container I and Vacuum Container II TA-1218 & TA-1219 to the fine solids separation unit SE-2201 to interstage holding tank TA-1201. Heavy solids are removed by SE-2201 and are conveyed to a roll-off box placed in the WWTP loading/unloading area. Water is pumped from TA-1201 through an in-line mixer SE-2202 in to the two induced air floatation units SE-2203 & SE2205, which are connected such that they may be operated in series or parallel. Prior to passing through SE-2202, reagents such as but not limited to sulfuric acid, sodium hydroxide, alum and polymer are added to promote coagulation and floatation of oils and solids. Oil and/or oily waste is skimmed from SE-2203 & SE-2205 and pumped to the recovered oil holding tank TA-1206. The recovered oil will be pumped to a truck or Tank T-502, T-800 or T-513, in the facility tank farm, for off site disposal at an authorized facility. Underflow from the SE-2203 & SE-2205 is pumped to the Batch Reaction Tanks TA-1202, TA-1203, TA-1204 & TA-1205 for treatment, pH adjustment, and the addition of chemicals such as, but not limited to sulfuric acid, alum and sodium hydroxide. The wastewater,

depending on its physical and chemical characteristics, will undergo further treatments including but not limited to chlorination in SE-2206A and SE-2206B to remove phenols, heating in TA-1207 & SE-2208 to remove dissolved organics, and then to SE-2207 metal removing beds and the final polishing in the activated carbon columns SE-2209 & SE-2210. The water from the activated carbon columns is stored in one of the four effluent holding tanks, TA-1208, TA-1209, TA-1210, and TA-1211. The wastewater in the effluent tanks is tested to ensure that it meets the Union Sanitary District (USD) sewer discharge limits and does not have any hazardous waste characteristics. The discharge limits are listed on Table III-22 of the Part B application. If the wastewater in the effluent tanks does not meet the discharge limits then it will be pumped back to the interstage holding tank for further treatment. The water quality of the discharged water must be below the hazardous waste characteristics and the discharge limits set by the Union Sanitary District. If the wastewater is not amenable to treatment it will be shipped off site for treatment or disposal at an authorized facility. Not all of the wastewater goes through the heating, chlorination, metal removal and activated carbon polishing steps. Some of these steps are bypassed depending on the wastewater quality.

Sludge from the sludge thickener TA-1221 is pumped to a filter press SE-2211 where it is dewatered. The solids are placed in a roll off bin located in the loading/unloading area, and then shipped off site as hazardous waste. The filtrate from the filter press and supernatant from the thickener TA-1221 are returned to the interstage holding tank TA-1201 for further treatment.

Spent activated carbon is removed from the carbon columns SE-2209 & SE-2210 when necessary and transported offsite for regeneration or disposal.

This wastewater treatment plant (WWTP) may also receive wastewater from Tanks T-651A, T-651B and T-652.

RCRA Air Emissions Standards: All equipment and tanks, except for the Hydro pneumatic tank TA-1217, filter press SE-2211, chlorination system SE-2206A and SE-2206B, metal removal beds SE-2207 and the effluent tanks TA-1208, TA-1209, TA-1210 and TA-1211, are enclosed and vented to the vapor recovery system, where it is oxidized in the thermal oxidizer.

The remaining equipment must comply with 40 CFR, 264 Subpart CC, and Title 22, CCR, Division 4.5, Chapter 14, Article 28.

Physical Description: The wastewater treatment equipment, truck loading/unloading and washout are located in a paved concrete containment area surrounded by a six-inch spill containment curb. The area is paved

with concrete and measures 59'5" x 56'4" with a 12' x 20' extension on the east side for the roll-off box. The area is sloped to the south and is equipped with three spill recovery sumps measuring 2 feet by 2 feet and 18 inches deep. The concrete containment curb is 2 feet high at the south end.

The wastewater treatment plant containment pad is 9080 square feet in area. All tanks are operated at ambient temperature and pressure with the exception of the pre-heat tank TA-1207, which is provided with steam heating coils to remove dissolved organics. All tanks and equipment are anchored to remain secure in a seismic event.

Maximum Capacity: 150,000 gallons per day.

Waste Type: Non-RCRA oil/water aqueous wastes, wastes with contaminated petroleum products, liquid wastes with RCRA codes listed below.
RCRA Hazardous Waste Codes: Listed on Table III-2 of the Part B application

Dimensions and specifications of major tanks and equipment are listed below:

Unit No.	Service	Capacity	Dimensions/ Specifications
TA-1201	Interstage Tank	10,000	12' dia. X 16' H
TA-1202	Reaction Tank	7,000	10' dia. X 12' H
TA-1203	Reaction Tank	7,000	10' dia. X 12' H
TA-1204	Reaction Tank	7,000	10' dia. X 12' H
TA-1205	Reaction Tank	7,000	10' dia. X 12' H
TA-1206	Recovered Oil Tank	6,000	10' dia. X 12' H
TA-1207	Heater Tank	6,000	9'3" dia. X 12' H
TA-1208	Effluent Tank	20,000	12' dia. X 24' H
TA-1209	Effluent Tank	20,000	12' dia. X 24' H
TA-1210	Effluent Tank	20,000	12' dia. X 24' H
TA-1211	Effluent Tank	20,000	12' dia. X 24' H
TA-1221	Sludge Thickener	6,000	9'3" dia. X 12' H
TA-1217	Hydro pneumatic Tank	500	4'6" dia. X 4' H
TA-1218	Vacuum Container # 1	6,000	8' dia. X 16" L
TA-1219	Vacuum Container # 2	6,000	8' dia. X 16' L
SE-2201	Solid Separator		(1)
SE-2202	In-line Mixer		(1)
SE-2203	Induced Air Flotation		(1)
SE-2204	In-line Mixer		(1)
SE-2205	Induced Air Flotation		(1)
SE-2206 A & B	Chlorine Dioxide Generator		(1)
SE-2207	Metal Removal Bed		(1)
SE-2208	Reflux Column		(1)
SE-2209	Activated Carbon Column		(1)
SE-2210	Activated Carbon Column		(1)
SE—2211	Filter Press		(1)

(1) Final design will be submitted to DTSC no later than 30 days prior to the start of construction.

For complete details of equipment see Attachment IV-12 of the Part B application

PROCESS UNIT DESCRIPTION No. 21

Unit 21: Roll-Off Bin for Wastewater Treatment Plant

Location: Northside of the Wastewater Treatment Plant (WWTP) in Loading/Unloading Area

Activity Type: Loading of RCRA and non-RCRA solids and sludges from the WWTP
Storage of RCRA and non-RCRA solids and sludges from the WWTP
Consolidation and solidification of RCRA and non-RCRA solid wastes

Operating Status: This is a proposed unit authorized by this permit.

Activity Description: The roll-off container will be stored on the WWTP Loading/Unloading Area which is paved with concrete and is sloped to a drainage sump for secondary containment.

Solids from the WWTP vacuum bins and spin separator are to be transferred to the roll-off bin. Sludge generated from the WWTP batch reaction system shall be directed to a sludge thickener and eventually be sent through a filter press. The filter cake will then be transferred to the roll off bin for consolidation. Wastes will be stored in a single roll-off bin. Liners will be placed in the roll-off container prior to consolidation activities to prevent waste materials from escaping from the roll-off bin during storage and transportation. In the event that liquids are present in the roll-off container, solidification of the liquids will occur using an absorbent material that is compatible with the waste. The roll-off bin must remain closed at all times unless a waste transfer is taking place. The roll-off bin is moved into and out of the area by a truck or forklift. After consolidation and solidification in the roll-off container are complete, the roll-off container will be shipped off-site for disposal as a hazardous waste.

Physical Description: The roll-off bin is made of metal with the capacity to hold a maximum of 20 cubic yards

Maximum Capacity: 20 cubic yards.

Waste Type: Non-RCRA oily solids and sludges, solids contaminated with petroleum products, and solids and sludges with the RCRA and non-RCRA codes identified below.

California Waste Codes: 132, 133, 134, 135, 141, 214, 221, 222, 223, 241, 343, 551, 721, 722, 723, 724, 725, 726, 727, 728, 741, 751

RCRA Hazardous Waste Codes: D004, D005, D006, D007, D008, D009, D010, D011,
D018, D019, D021, D022, D027, D028, D029, D030, D035, D036,
D039, D040, F001, F002, F003, F004, F005, F037, F038, K048,
K050, K157, K051

PROCESS UNIT DESCRIPTION No. 22

Unit 22: Drum Consolidation Pad and Roll-off bin

Location: Southwest corner of facility adjacent to Drum Storage Area

Activity Type: Loading and unloading of containerized waste
Storage of containerized waste
Transfer/Consolidation of waste between containers.
Draining of used oil filters.
Solidification of waste materials
Storage of waste bin

Operating Status: This is a new unit authorized by this permit.

Activity Description: The Drum Consolidation Pad may receive containerized waste from Drum Storage Areas 1, 2, and 3, Rail Car Stations 1, 2, 3, and 4, East and West Loading/Unloading Areas. A single roll-off bin is located on the consolidation pad for the storage and consolidation of hazardous wastes. Solid wastes are transferred to the roll-off bin from drums, railcars, trucks, totes and/or triwall boxes. Liners must be placed in the roll-off container prior to consolidation activities to prevent waste materials from escaping the container. In the event that liquids are present in the roll-off container after consolidation, solidification of the liquids will occur using an absorbent material that is compatible with the waste. The roll-off container must remain closed at all times unless a waste transfer is taking place. The roll-off container is moved into and out of the area by a truck or forklift. After consolidation and solidification in the roll-off container are complete, the roll-off container will be shipped off-site for disposal as hazardous waste to an authorized facility. Drum solidification/consolidation of liquids and sludges will take place on the consolidation pad under a vapor recovery hood.

Used oil filters may be drained in containers on the consolidation pad. The empty oil filters will be crushed in the drum crusher. Once consolidation of the crushed used oil filters is complete, the used oil filters will be shipped off-site for recycling or disposal .

Prior to transferring, consolidating and solidifying of drummed and other containerized waste, the chemist or operator will test the waste for compatibility with wastes intended for treatment and the receiving container. A trained chemist/operator will supervise the transfer, consolidation and solidifying operations. Wastes will be transferred directly between containers manually or by mechanical means. Liquid wastes may also be transferred from a container into a tank truck using the pump installed on the truck. Waste containers must remain closed at all times unless a waste transfer

is taking place. Drum consolidation and transfer must take place under a hood that will be vented to a vapor recovery system during transfer.

Physical Description: The consolidation pad measures 40 feet by 65 feet and consists of a concrete pad surrounded by a six-inch high concrete curb. A drive-over ramp is provided on one side. A spill recovery sump measuring 24 inches by 24 inches with a depth of 18 inches is provided in the southeast corner of the pad. A concrete loading ramp extends from the receiving side of the pad.

Maximum Capacity: One roll-off container (20 cubic yards)

Air Emissions: Drum consolidation and solidification operations will comply with Title 22, CCR, Division 4.5, Chapter 14, Articles 27, 28, and 28.5 and must be done under a hood vented to a vapor recovery system. More information pertaining to the vapor recovery system may be found on Drawing DPVRS-01 located in Section V Attachment V-3 of the Part B application.

Waste Type: Solid, liquid, and sludge wastes contaminated with used oil, waste antifreeze, non-RCRA oil/water mixtures, contaminated petroleum products, ignitable oil and solvent mixtures, used oil filters, solid and liquid wastes with RCRA and non-RCRA codes listed below and in Table III-4 of the Part B application.

California Waste Codes: 121, 122, 123, 132, 133, 134, 135, 141, 171, 172, 181, 212, 213, 214, 221, 222, 223, 231, 241, 251, 252, 261, 272, 281, 291, 331, 341, 342, 343, 352, 351, 451, 461, 491, 511, 512, 513, 551, 611, 612, 721, 722, 723, 724, 725, 726, 727, 728, 741, 751, 791, 792

RCRA Hazardous Waste Codes: D002, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D027, D028, D029, D030, D035, D036, D039, D040, F001, F002, F003, F004, F005, F006, F037, F038, K048, K049, K050, K051, K052, K157, P011, P012, P022, P029, P058, P098, P105, P106, P120, P120, U001, U002, U003, U007, U012, U019, U021, U031, U211, U034, U044, U052, U056, U057, U070, U071, U072, U105, U106, U112, U117, U122, U134, U151, U154, U080, U159, U165, U183, U188, U196, U201, U218, U219, U220, U228, U404, U043, U239

PROCESS UNIT DESCRIPTION No. 23

Unit 23: Drum Crusher

Location: Southwest corner of facility adjacent to Consolidation Pad

Activity Type: Compaction of empty containers
Compaction of waste in containers
Compaction of drained used oil filters

Operating Status: This is a new unit authorized by this permit.

Activity Description: Empty containers consisting of drums up to 85 gallons in capacity are compacted by a vendor-supplied compactor incorporating a hydraulic ram. Smaller containers may be placed in the drum for simultaneous compacting. Low density wastes consisting of rags, and contaminated debris and drained oil filters may also be compacted into DOT approved containers for shipment offsite.

Physical Description: The compactor consists of a Rampactor 6036 unit or equivalent powered by an electric motor. Maximum compacting force is 60,000 lbs. The compactor is located on a 12-foot by 12-foot concrete pad enclosed by a shallow containment curb.

Maximum Capacity: One drum (up to 85 gallons) per crushing cycle. Evergreen will crush up to 210 empty drums a week.

Air Emissions: Operations will comply with Title 22, CCR, Division 4.5, Chapter 14, Articles 27, 28, and 28.5.

Waste Type: Empty containers contaminated with non-RCRA and RCRA wastes listed below. Solid wastes contaminated with used oil, waste antifreeze, non-RCRA oil/water mixtures, contaminated petroleum products, ignitable oil and solvent mixtures, drained used oil filters, and solid waste with RCRA and non-RCRA codes listed below.

California Waste Codes: 121, 122, 123, 132, 133, 134, 135, 141, 171, 172, 181, 212, 213, 214, 221, 222, 223, 231, 241, 251, 252, 261, 272, 281, 291, 331, 341, 342, 343, 352, 351, 451, 461, 491, 511, 512, 513, 551, 611, 612, 721, 722, 723, 724, 725, 726, 727, 728, 741, 751, 791, 792

RCRA Hazardous Waste Codes: D001, D002, D003, D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D027, D028, D029, D030, D035, D036, D039, D040, F001, F002, F003, F004, F005, F006, F037, F038, K048, K049, K050, K051, K052, K157, P011, P012, P022, P029, P058, P098, P105, P106, P120, P120, U001, U002, U003, U007, U012, U019, U021, U031, U211, U034, U044,

U052, U056, U057, U070, U071, U072, U105, U106, U112, U117,
U122, U134, U151, U154, U080, U159, U165, U183, U188, U196,
U201, U218, U219, U220, U228, U404, U043, U239

Process Unit Description # 24

Storm and Oily Water Collection System (X-453 & X-454)

Unit 24: Storm and Oily Water Collection System

Location: Northwest corner of the tank farm

Activity: Collection of storm water and wash water from facility housekeeping

Operating Status: Existing

Activity Description: The system consists of two fiberglass tanks, X-453 and X-454. X-453 receives oily wash water from the west loading/unloading area, through X-510 sump tank. X-453 also receives used oil samples from the re-refinery control room. The water from X-453 is pumped to tank T-651A and the oil is pumped to T-502.

X-454 receives storm and wash water from the re-refinery process area and the tank farm. The storm and wash water from the process and tank farm containment areas gravity flow to the sump tanks. The water from X-454 is pumped to T-651A.

Physical Description: Tanks X-453 and X-454 are made of fiberglass structure and are installed below grade in an open concrete sump for containment. X-454 is W 9'3" x H 6' x L 10'6" (4360 gallons) and X-453 is W 4'3" x H 4'6" x L 12'7" (1800 gallons). The tanks are sitting on wooden blocks above the floor of the concrete sump.

Maximum Capacity: 2000 gallons a day

Air Emissions: The sump tanks are vented to a 55-gallon activated carbon drum or the facility vapor recovery system.

Waste Types: Oily water and non-RCRA contaminated petroleum products for the non-RCRA waste codes listed below.

California Waste Codes: 132, 133, 134, 135, 221, 222, 223, 241, 331, 612

RCRA Hazardous Waste Codes: None

Process Unit Description # 25

Sump Tank X-510

Unit 25: Oily and Wash Water Collection System

Location: Northwest corner of the tank farm

Activity: Collection of storm water and wash water from facility housekeeping

Operating Status: Existing

Activity Description: X-510 receives oily and wash water from the west unloading/loading area, laboratory in office building, maintenance shop floor drain, truck and bobtail west loading/unloading area, truck wash in the west loading/unloading area, and the filter wash Pit. The water gravity flows to X-510. X-510 sump tank has a 900-gallon operating capacity and is mounted in a concrete (vault) pit. The sump tank is provided with a board mounted High Level Alarm, LAH-676. An air operated Pump, P-510, is provided to transfer the oily water from the sump tank to the oil/water separator tank X-453.

In case the pump of X-510 fails, X-510 overflows to the detention pond in the west loading/unloading area.

Physical Description: Tank X-510 is made of fiberglass structure and is installed below grade in an open concrete sump for containment. X-510 is W 5'8" x H 3' 10" x L 6'4" (1000 gallons). The tank is sitting on wooden blocks above the floor of the concrete sump.

Maximum Capacity: 200 gallons a day

Air Emissions: None

Waste Types: Used oil and oily water and non-RCRA contaminated petroleum products indicated by the non-RCRA waste codes below.

California Waste Codes: 132, 133, 134, 135, 221, 222, 223, 241, 331, 612

RCRA Hazardous Waste Codes: None

PART V. SPECIAL CONDITIONS THAT APPLY TO ALL HAZARDOUS WASTE STORAGE AND/OR TREATMENT UNITS.

(1) SPECIAL CONDITIONS WHICH APPLY TO ALL HAZARDOUS WASTE TREATMENT & STORAGE UNITS.

- a. Within 90 days from the effective date of this permit, each hazardous waste storage and treatment tank shall be individually marked with the word HAZARDOUS WASTE.
- b. Within 30 days from the effective date of this permit, each hazardous waste storage tank shall display its designated number. These numbers shall be affixed on each tank and shall be large enough to be visible from a distance of 10 feet.
- c. Within 30 Days prior to changing the current numbering system for the existing tanks, DTSC shall be notified in writing of these changes.
- d. All hazardous waste storage and treatment tanks shall be internally inspected by emptying the contents of the tanks in accordance with API 653 or equally accepted industry standards no later than December 2006 and every 10 years from the date of such inspection.
- e. No later than December 2006,, each tank storing or treating hazardous waste shall be equipped with automatic high level alarm system.
- f. Design drawings and manufacturer's specifications for new tanks shall be submitted to DTSC for approval within 30 days prior to acquisition of the tanks.
- g. For new hazardous waste management units authorized by this permit, design drawings for foundations, subsurface preparation, and final design and coating (for T-800, T-513, Drum Storage Area, Pad #1 through Pad #3) of secondary containment shall be submitted to DTSC for approval no later than 45 days prior to construction.
- h. Within 60 days prior to switching the current use of the existing tanks from hazardous waste storage or treatment to product storage, the Permittee shall notify DTSC in writing.
- i. Financial Assurance for Existing Units.

Prior to the effective date of this permit, the Permittee shall comply with

the financial assurance requirements of Title 22, CCR., Section 66264.143 using a closure cost estimate of \$1,520,286.

j. Financial Assurance for New Units Authorized by this Permit

No later than 60 days prior to the start of operation for any new units authorized by this permit, the Permittee shall submit to DTSC a Closure Cost Estimate for written approval and the Permittee shall comply with the financial assurance requirements of Title 22, CCR, section 66264.143.

k. The Permittee shall conduct tank integrity assessments in accordance with section 66264.192 of Title 22, CCR for tanks T-506A , T-506B and any other tanks prior to conversion to hazardous waste storage and treatment. The integrity assessment report shall be submitted to DTSC for written approval prior to placing these tanks in hazardous waste service.

l. Within 12 months after the start of operation for each new hazardous waste management units authorized by this permit, the Permittee shall validate the emission estimates used to prepare the Health Risk Assessment (dated November 24, 2003) using methods approved by DTSC. The Health Risk Assessment shall be amended within 12 months after the completion of all new hazardous waste management units or when requested by DTSC.

PART VI. CORRECTIVE ACTION

The Permittee shall conduct corrective action at the facility pursuant to Health and Safety Code, Sections 25187 and 25200.10. Corrective action shall be carried out under the corrective action consent agreement that will be issued prior to the effective date of this permit, and any subsequent agreements to be entered into and between DTSC and Permittee, or any orders to be issued by DTSC.

APPENDIX A - FACILITY PLOT PLAN