

SOLID WASTE FACILITY PERMIT

Facility Number:

39-AA-0022

12. Legal Description of Facility:

The legal description of this facility is contained in pages 3-5 of Joint Technical Document dated February 10, 2010.

13. Findings:

- a. The North County Recycling Center and Sanitary Landfill (NCRC&SL) 17720 E. Harney Lane, Lodi is owned by the County of San Joaquin, operated by the Department of Public Works.
- b. NCRC&SL is a Class III Landfill. NCRC&SL is located at 38° 06' latitude, 121° 04' longitude in the eastern half of section 21, T3N R8E Linden, California, U.S. Geological Survey topographical quadrangle. The facility is 320 acre site of which 185 acres will be utilized for landfilling.
- c. The facility has a gate house and truck weigh scale. An office and maintenance building with sanitary facilities, parking for landfill personnel and visitors is included in the entrance area. It also has a covered recycling center with a tipping area. A permanent berm, set back 100 feet from the property line, has been constructed around the landfill perimeter.
- d. TYPES OF WASTES RECEIVED
 1. Residential Refuse
 2. Commercial/Industrial Waste
 3. Green waste/Garden Refuse
 4. Wood Waste
 5. Metals
 6. Paper Products
 7. Glass
 8. Tires
 9. Plastic
 10. Agricultural Wastes
 11. Construction/Demolition
 12. Household Hazardous Waste
 13. Dead Animals
 14. Inert
 15. Treated Wood Waste
- e. The daily peak tonnage is 1200 tons per day. This tonnage figure is based upon an annual increase of 3%. The estimate amount of annual waste received is projected to be 143,000 tons. Average refuse density of approximately 1000 pounds per CY (1000 lb refuse disposed per CY airspace consumed by refuse, daily and intermediate cover).
- f. The landfill is constructed by the ramp-area method. The site is divided into modules to facilitate efficient excavation, access, and drainage. Landfill operations generally proceed in numerical order by module. Excavation currently proceeds one module ahead of refuse fill. There are a total of 11 proposed modules.

Refuse fill is placed in lifts 6 to 10 feet thick, with perimeter slopes vertical to horizontal ratio 3:1 or less. Refuse is spread and compacted in layers 2 feet thick on a sloped working face. Large or bulky wastes are separated to prevent bridging of the surrounding refuse, placed in the lower portion of the advancing lift, and crushed by compacting equipment. An all weather road is constructed from the access road across the surface at the existing refuse fill to the active working face. Temporary berms will be constructed where needed to intercept and divert surface run-off water away from the active working face.

- g. Vehicles that contain recyclable waste will proceed to the Recycling Center Building. Both public and commercial wastes are dumped onto a common tipping floor where waste material is manually or mechanically sorted out. Recyclable materials are separated, consolidate, and placed in bins. When the bins are full, they are transported to market.

The Household Hazardous Waste (HHW) recycling program utilizes an area within the Recycling Center Building to collect four specific wastes: Used motor oil, used anti-freeze, used batteries, and paint. These recyclable HHW are dropped off in the public tipping area and placed in appropriate receptacles. Workers will bulk the used oil and anti-freeze into a double walled, above ground collection tanks for periodic collection. Used batteries are collected on pallets with spillage containment trays. A local battery company picks up the batteries on a regular basis. Periodically, collected paint is bulked into 55- gallon drums and then be transported to a paint manufacturer. Household Hazardous Wastes shall be handled in a manner approved by the LEA and Calrecycle.

- h.** Appliances include items such as refrigerators, freezers, air conditioners, water coolers, washers, dryers, ovens, stoves, furnaces, space heaters, water heaters, and trash compactors. Materials requiring special handling include materials such as Freon, mercury probes and switches, used oil, metal encased capacitors, and encased PCBs or DEHP from appliance compressors and transmissions. The Certified Appliance Recycler (CAR) inspects each major appliance in the appliance staging area for materials that require special handling. Materials requiring special handling are temporarily stored at the NCR&SL before removal to permitted facilities.
- i.** The waste load checking program should consist of the following activities: Inspection of random in-coming loads; training of facility personnel in hazardous waste recognition and proper hazardous waste handling procedures; reporting incidents of unlawful disposal to specific agencies. Jaime Perez, Solid Waste Operations Manager and Michael Carroll, Senior Solid Waste Engineer, can be contacted at (209) 468-3066 for emergencies and hazardous waste inquiries. Additional measures may be required upon the request of the LEA or Calrecycle.
- j.** Anticipated changes in design and operation in the next 5 years are: The introduction of new recycling methods and programs
- k.** Receipt of waste: 7:00 a.m. – 5p.m. – Daily

 - Use of heavy equipment to dispose and cover received refuse from 6:30 am to 7:00 pm.
 - Operations conducted in the hours of darkness require lighting as approved by the LEA.
 - Heavy equipment operation outside normal hours of operation is allowed only in emergency and incidental occurrences not in connection with any routine site operations.
 - The Environmental Health Department must be notified 24 hours in advance of all non routine operations outside the normal operating hours.

2. The following documents describe and condition the design and operation of the facility.

- a.** San Joaquin County Land Use Permit No. UP-89-2 dated June 1, 1989
- b.** Environmental Impact Report dated December, 2006, SCH # 2006062113
- c.** PG&E easement document dated December 1951
- d.** Regional Water Quality Control Boards Waste Discharge Requirements Order R5-2010-0016, January 28, 2010
- e.** The mitigated Negative Declaration dated October, 1992, SCH 92082082.
- f.** Joint Technical Document dated February 10, 2010
- g.** U.S. Army Corps of Engineers Nationwide Permit #26 dated June 26, 1990
- h.** Wetlands Mitigation Plan dated May, 1990
- i.** Mitigation Monitoring Plans dated October, 1990 and October 27, 1992
- j.** Agreement regarding proposed stream and lake alteration from the State Department of Fish and Game dated September 10, 1990.
- k.** Household Hazardous Waste Plan dated August 1992 and the Operations Plan for the North County Recycling Center and Sanitary Landfill dated January, 1992.
- l.** San Joaquin County Air Pollution Permit N-1119-1-0

3. San Joaquin County, Environmental Health Department has made the following findings in accordance with Public Resources Code 50000 and 50000.5:

- a.** San Joaquin County Planning Department has made a determination the NCSL is consistent with the County General Plan. The zoning designation was approved on August 10, 1989 and lists this as a compatible use.
- b.** This facility is consistent with County Integrated Waste Management Plan Dated March, 1997

4. The design and operation of the facility is in compliance with state minimum standards for solid waste handling and disposal as determined by the LEA on February 24, 2010.
5. The facility shall be in compliance with flammable clearance provisions as required by Linden Peters Fire District.
6. The Notice of Determination for this permit shall be subject to all applicable mitigation measures which identified in the land use conditions of approval #UP-89-2 as adopted by the San Joaquin County Planning Department. This complies with Sections 21108 and/or 21152 of the Public Resources Code. The Mitigated Negative Declaration (SCH # 92082082) was adopted by San Joaquin County on October 31, 1992. The Final EIR (SCH# 2006062113) was adopted by San Joaquin County on December 5, 2006.

16. Prohibitions:

The following actions are prohibited at the facility:

- a. Disposal of hazardous wastes
- b. Disposal of designated wastes
- c. Disposal of medical wastes
- d. Disposal of cannery wastes
- e. Disposal of sludge and septic tank pumping
- f. Disposal of liquids/slurries
- g. Open burning
- h. Scavenging
- i. Standing water on covered fills
- j. Disposal of wastes beyond the handling capacity of the facility or acceptance of any other waste for which this facility is not permitted to handle is prohibited.

15. The following documents describe and/or restrict the operation of this facility:

	Date		Date
Joint Technical Document	February 10, 2010	Preliminary Closure and Post closure Maintenance Plan	January 7, 2010
Waste Discharge Requirements Order No. R5-2010-0016	January 28, 2010	Closure Financial Assurance Documentation	September 14, 2009
APCD Permit to Operate N—1119-1-0	December 24, 2008	Operating Liability Certification	January 14, 2010
<u>Environmental Impact Report</u> (SCH # 2006062113)	December 5, 2006	Land Use and/or Conditional Use Permit (UP89-2)	June 1, 1989
Mitigated Negative Declaration (SCH # 92082082)	October 31, 1992		

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16. Self Monitoring:

The owner/operator shall submit the results of all self monitoring programs to the Enforcement Agency within 30 days of the end of the reporting period (for example, 1st quarter = January – March, the report is due by April 30, etc.. Information required on an annual basis shall be submitted with the 4th quarter monitoring report, unless otherwise stated.)

Program	Reporting Frequency
a. The types and quantities (in tons) of waste, including separated or commingled recyclables, entering the facility per day.	Quarterly
b. The average number of vehicles using the facility per day and the volume of waste received at the facility (in tons).	Monthly
c. Results of the hazardous waste load checking program, including the quantities and types of hazardous wastes, medical wastes or otherwise prohibited wastes found in the waste stream and the disposition of these materials.	Quarterly
d. Ground water monitoring	Quarterly
e. Results of on-site industrial hygiene and air monitoring	Upon request of LEA
f. Copies of all written complaints regarding this facility and the operator's actions taken to resolve these complaints.	Quarterly
g. Results of the landfill gas monitoring program.	Quarterly
h. Wet weather preparedness report/winter operations plan.	Annual – due by November 1
i. Fill sequencing plan for the forthcoming year.	Annual
j. Remaining site capacity.	Annual
k. Results from leachate monitoring, collection, treatment, and disposal program.	Quarterly
l. Financial Assurances updated information	Annual
m. Final Closure/ Post Closure Maintenance Plan.	2 years prior to closure
n. Application for the revision of the Solid Waste Facility Permit or Joint Technical Document	150 days prior to proposed change

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17. Enforcement Agency (EA) Conditions:

- a. The LEA through this permit may prohibit or condition the handling or disposal of solid wastes in order to protect the public health and safety, protect, rehabilitate, or enhances the environment, or mitigate adverse environmental impacts
- b. Any change that would cause the design or operation of the facility not to conform to the terms and conditions of this permit is prohibited. Such a change may be considered a significant change, requiring a permit revision. In no case shall the operator implement any change without first submitting a written notice of the proposed change, in the form of an RFI amendment, to the EA at least 150 days in advance of the change.
- c. If the site operator plans to use a new ADC, allowed by and described in, Title 27, CCR, Section 20690, the operator must submit any proposed changes to the ADC program in the form of an RFI amendment 150 days prior to the anticipated change.
- d. This facility has a permitted capacity of 1200 tons per day. NCRC&SL shall not receive more than this amount without first obtaining a permit revision.
- e. This facility shall not exceed the maximum daily traffic count of 850 trips per day without revising this permit.
- f. A change in operator will require a new solid waste facilities permit.
- g. The permit is subject to review by the Local Enforcement Agency, and may be modified, suspended, or revoked, for sufficient cause after a hearing.
- h. NCRC&SL shall comply with the Methane Monitoring Program as described in Title 27 CCR Section 20921 (b).
- i. The operator shall at all times provide adequate staffing to deal effectively and promptly with operations at the site as needed
- j. The operator shall provide at all times adequate numbers and types of operable equipment for compaction and placement of the waste and cover at the facility.
- k. All documentation relating to the preparation of the closure and post closure maintenance costs shall be retained by the operator and shall be available for inspection by the LEA or Calrecycle.
- l. The preliminary closure and post closure plans were updated on July 24, 2008.
- m. The final Closure and Post closure Plan must be submitted to the LEA, Regional Water Quality Control Board, and Calrecycle two years prior to closure of the landfill.
- n. This facility must comply with all state minimum standards for solid waste handling and disposal.
- o. This facility must comply with all federal, state, and local requirements and enactments, including all mitigation measures given in any certified environmental document filed pursuant to the Public Resources Code, Section 21081.6.
- p. A log of special occurrences, i.e., fires, explosions, accidents, hazardous wastes, etc., shall be maintained and reported to the LEA on an annual basis and no later than December 31 of each year.
- q. Any other information concerning the landfill must be provided to the LEA upon request.
- r. An adequate water supply for dust and fire suppression shall be available at all times during the operation of this facility. The water supply must be acceptable to the local fire jurisdiction and the LEA.
- s. Additional information concerning the design and operation of the facility shall be furnished upon request and within the time frame specified by the LEA. The operator must supply the LEA with any information the LEA deems necessary to conduct an inspection or to review and rewrite a Solid Waste Facility Permit.

t. Treated Wood Waste operations at the facility must comply with Title 22 California Code Regulation, Chapter 34, Article 1, sections 67386.1 through 67386.12.

u. Receipt of waste: 7:00 a.m. and 5p.m.

- Use of heavy equipment to dispose and cover received refuse from 6:30 am to 7:00 pm.
- Operations conducted in the hours of darkness require lighting as approved by the LEA.
- Heavy equipment operation outside normal hours of operation is allowed only in emergency and incidental occurrences not in connection with any routine site operations.
- **The Environmental Health Department must be notified 24 hours in advance of all non routine operations outside the normal operating hours.**