



STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION

ORDER NO. 89-52

6231

WASTE DISCHARGE REQUIREMENTS  
for  
LAIDLAW WASTE SYSTEMS CHIQUITA, INC.  
(CHIQUITA CANYON LANDFILL)  
(File No. 67-20)

The California Regional Water Quality Control Board, Los Angeles Region finds:

1. The Chiquita Canyon Landfill is a 1074-acre waste disposal facility located at 29201 Henry Mayo Drive, Valencia, California. The landfill is operated by the Laidlaw Waste Systems Chiquita, Inc. who leases the land from its owner, the Newhall Land & Farming Company.
2. On November 24, 1982, Los Angeles County-Department of Regional Planning granted a conditional use permit (CUP) No. 1809 for areas A,B,C, and D. Any expansion of the site beyond the limit of fill defined in the CUP shall require the issuance of new waste discharge requirements.
3. On January 23, 1984, this Regional Board adopted Order No. 84-8, prescribing waste discharge requirements for disposal of inert and non-hazardous solid wastes. The order was amended by Order No. 87-28 on March 23, 1987.
4. Laidlaw Waste Systems Chiquita, Inc. (hereinafter Laidlaw) has filed a Report of Waste Discharge (ROWD) and supplemental information for the disposal to land of nonhazardous solid and inert wastes at the Chiquita Canyon Landfill in accordance with Section 13260, California Water Code (CWC), and Article 9 of Subchapter 15 (California Code of Regulations, Title 23, Chapter 3, Subchapter 15, Discharges of Waste to Land, hereinafter Subchapter 15).
5. Chiquita Canyon Landfill consists five canyons, a 44-acre primary canyon landfill area and four separate canyon areas named A,B,C, and D, located northerly of the primary canyon landfill area as shown in Attachment 1. These areas occupy approximately 84 acres of the 1074-acre parcel: Area A is about 38 acres, Area B 12 acres, Area C 29 acres, Area D 5 acres. Both the primary canyon and canyon area B are filled to capacity. Canyon areas A and D are currently being filled.
6. The minimum floor elevations of all the disposal areas are ranging from 1025 feet to 1092 feet above mean sea level (MSL). Landfilling will reach a maximum elevation of 1220 feet MSL.
7. The total capacity of the four A,B,C,D canyon areas is approximately 6,341,000 cubic yards. The waste disposal rate varies but currently is about 5,000 tons per day.
8. The landfill is operated as a modified "cut and cover side-hill landfill". Soil is excavated from onsite native soils to provide daily, interim and final covers.

9. Runoff from the primary canyon landfill area and areas A,C, and D drains to the west of the site into Santa Clara River via Chiquita Canyon drainage. Drainage from area B is to the northeast of the site, drains into a larger canyon, tributary to Castaic Creek.
10. Geologically, the site is immediately underlain by the Saugus Formation of Pliocene and lower Pleistocene age.
11. The nearest known active fault (Holocene) known as "the San Gabriel Fault" is four miles to the east of the site. An unnamed fault is found on the extreme northern boundary of the site.
12. Ground water is present in the area of the site in two distinct aquifers. The upper alluvial aquifer is generally bounded by the Santa Clara River flood plain, about 20 to 50 feet deep. It is underlain by the Saugus aquifer.
13. The landfill is not within a 100 year floodplain.
14. Subchapter 15 requires a site operator to install a clay liner with a permeability of not more than  $1 \times 10^{-6}$  cm/sec when site characteristics alone are not adequate to ensure protection of the quality of ground water. For areas A,B, and D Laidlaw has proposed a liner system that is conceptually comprised of (from bottom to top) a low permeability foundation layer (1 foot of soil-bentonite), a leachate collection and recovery system, and finally, a protective layer of soil. The slopes are lined with a synthetic liner (60-mil, high density polyethylene). The proposed "low permeability foundation layer" must be constructed to comply with the clay liner requirement in Subchapter 15. This Order specifies that final design and construction plans and specifications for all proposed liner systems be reviewed and approved prior to installation and that no disposal occur in a new area until the corresponding construction is completed and certified.
15. The primary canyon in operation since before March 1974 is not equipped with liner or leachate collection and removal system.
16. The Board adopted a revised Water Quality Control Plan for the Santa Clara River Basin on March 27, 1978. The Plan contains water quality objectives for surface and ground waters of the Upper Santa Clara River Hydrographic Subunit, Eastern Hydrographic Subarea. The requirements in this Order as they are met will be in conformance with the goals of the Water Quality Control Plan.
17. The Chiquita Canyon Landfill is located within the Eastern Hydrographic Subarea-Upper Santa Clara River Hydrographic Subunit. The existing beneficial uses of the Eastern Hydrographic Subarea are municipal and domestic supply, industrial service and industrial process supplies, and agricultural supply.
18. A final Environmental Impact Report (EIR) was prepared for the project, dated November 24, 1982, in accordance with the California Environmental Quality Act (CEQA). The EIR indicated that the proposed project may cause possible degradation of water quality due to leachate from fill and possible ponding. The water quality degradation will be mitigated by compliance with these waste discharge requirements.

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The Board has notified the discharger and interested agencies and persons of its intent to adopt waste discharge requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public meeting heard and considered all comments pertaining to the discharge and to the tentative requirements.

**IT IS HEREBY ORDERED**, that the Laidlaw Waste Systems Chiquita, Inc. shall comply with the following at the Chiquita Canyon Landfill:

**A. Acceptable Materials**

1. The Chiquita Canyon Landfill is a Class III landfill.
2. Wastes disposed of at this site shall be limited to certain nonhazardous solid wastes, inert solid wastes, and dewatered sewage or water treatment sludge as described in Subsection 2523(c) of Subchapter 15.
3. Nonhazardous solid waste means all putrescible and nonputrescible solid, semi-solid and liquid wastes, including garbage, trash, refuse, paper, rubbish, ashes, industrial wastes, demolition and construction wastes, abandoned vehicles and parts thereof, discarded home and industrial appliances, manure, vegetable or animal solid and semi-solid wastes and other discarded solid and semi-solid wastes; provided that such wastes do not contain wastes which must be managed as hazardous wastes, or wastes which contain soluble pollutants in concentrations which exceed applicable water quality objectives, or could cause degradation of waters of the state (i.e., designated wastes). (Section 2523(a), Subchapter 15.)
4. Dewatered sewage or water treatment sludge may be discharged under the following conditions:
  - a. In areas where natural geologic characteristics and the consideration of all other factors listed in Subsection 2533(b) of Subchapter 15, will ensure no impairment of beneficial uses to groundwater, or in areas with approved LCRS and liner systems designed to prevent such impairment, the sludge contains at least 20 percent solids if primary sludge, or at least 15 percent solids if secondary sludge, mixtures of primary and secondary sludges, or water treatment sludge; and
  - b. In areas where natural geologic characteristics and overall site containment quality cannot be determined, and where no approved LCRS and liner systems exist, the sludge contains at least 50 percent solids whether primary or secondary sludge, mixtures of primary and secondary sludges, or water treatment sludge; and
  - c. A minimum solids to liquids ratio of 5:1 by weight shall be maintained to insure that the co-disposal will not exceed the initial moisture-holding capacity of the nonhazardous solid waste.

5. Incinerator ash may be discharged provided the ash does not contain hazardous waste constituents or soluble pollutants at concentrations in excess of applicable water quality objectives.

**B. Unacceptable Materials**

1. No hazardous wastes, designated wastes, or special wastes, such as liquids, oils, waxes, tars, soaps, solvents, or readily water-soluble solids, such as salts, borax, lye, caustic, or acids shall be disposed of at this site.
2. No semi-solid wastes shall be disposed of at this site, except as noted above. Semi-solid waste means waste containing less than 50 percent solids, as described in Subsection 2520(d)(3), Subchapter 15, other than dewatered sewage or water treatment sludge as described in Subsection 2523(c) of Subchapter 15, and Provision A-4, above.
3. No materials which are of a toxic nature, such as insecticides, poisons, or radioactive materials, shall be disposed of at this site.
4. No infectious materials or hospital or laboratory wastes, except those authorized for disposal to land by official agencies charged with control of plant, animal, and human disease, shall be disposed of at this site.
5. No pesticide containers shall be disposed of at this site, unless they are rendered nonhazardous by triple rinsing.
6. No septic tank or chemical toilet wastes shall be disposed of at this site.
7. The discharge of wastes or waste byproducts (i.e., leachate or gas condensate) to natural surface drainage courses or to ground water is prohibited.

**C. Ground Water Quality Protection Standards**

1. In accordance with Subsection 2552 of Subchapter 15, the following water quality protection standards are established for this facility:

<u>Parameter</u>	<u>Units</u>	<u>Maximum Value</u>
Total dissolved solids	mg/l	1500
Sulfate	mg/l	700
Chloride	mg/l	150
Boron	mg/l	1.0

2. Water quality protection standards may be modified by the Regional Board based on more recent or complete ground water monitoring data, changes in background water quality, or for any other valid reason.
3. The compliance point(s) where the water quality protection standards shall apply shall be along all downgradient edges of the disposal site.
4. The discharger shall use the statistical procedures contained in Subsection 2555(h) of Subchapter 15, to determine if there is a statistically significant increase for any indicator parameter. Upon approval of the Executive Officer, alternative statistical procedures may be used.
5. In the event a statistically significant increase is observed for any indicator parameter, the discharger shall establish a verification program in accordance with Subsection 2557(g) of Subchapter 15.
6. The discharger shall institute a corrective action monitoring program if representative analyses of the ground water show a statistically significant increase in any water quality protection standard in accordance with Subsection 2557(g) of Subchapter 15.
7. The compliance period for which the water quality protection standards are applicable shall be the entire active life of the site and during the closure and post-closure maintenance periods.

**D. Requirements for Disposal Site Operations**

1. All State, County and City sanitary health codes, rules, regulations and ordinances pertinent to the disposal of wastes on land shall be complied with in the operation and maintenance of this disposal site.
2. There shall be no damage or nuisance to the community due to odors or unsightliness, which result from unreasonable practices in the disposal of wastes at this site, as defined in Section 13050(1) of the CWC.
3. The periodic load checking program shall be implemented to prevent the disposal of hazardous wastes, designated wastes, or other unacceptable materials.
4. Neither the disposal nor handling of wastes at this site shall create pollution, as defined in Section 13050(1) of the CWC.
5. The discharger shall comply with notification procedures contained in Section 13271 of the CWC in regards to the discharge of hazardous substances. The discharger shall remove and relocate to a legal point of disposal, any wastes which are discharged at this site in violation of these requirements. The Board shall be informed within 7 days in writing when relocation of wastes is necessary. The source and final disposition (and location) of the wastes, as well as methods undertaken to prevent future recurrences of such disposal shall also be reported.
6. Wastes deposited at this site shall be confined thereto, and shall not be permitted to blow, fall, or otherwise migrate off the site, or to enter offsite water drainage ditches or watercourses.

7. All wastes shall be adequately covered at the end of the operating day in accordance with Subsection 2544, Subchapter 15. Interim cover over wastes discharged to this landfill shall be designed and constructed to minimize percolation of precipitation through wastes and contact with material deposited. Other measures shall be taken as needed, to prevent a condition of nuisance from fly breeding, rodent harborage, and other vector-related activities. Ponding of liquids over waste is prohibited.
8. The disposal of all incinerator ash shall be handled in such a manner that it does not come in contact with other refuse or sludge, and its exposure to liquid infiltration of any kind shall be minimized. At the end of each working day, the ash shall be separately covered, and the general location of the ash disposal areas noted and submitted with each monthly report.
9. The migration of gases from the disposal site shall be controlled as necessary to prevent water pollution, nuisance or health hazards.
10. Gas condensate gathered from the gas monitoring and collection system at this disposal site shall not be returned to the site. Any proposed modifications or expansions to this system shall be designed to allow the collection, testing and treatment or disposal by approved methods of all gas condensate produced at the disposal site.
11. The discharger shall intercept, remove and dispose of any liquid detected in the LCRS at this disposal site to a legal point of disposal.
12. In any area within the disposal site where seepage water is observed, provisions shall be made and/or facilities shall be provided to insure that seep water will not come in contact with decomposable refuse in the disposal site. The locations of all springs and seeps found prior to, during, or after placement of waste material that could affect this disposal site shall be reported to the Board.
13. Drainage controls, structures, and facilities shall be designed to divert any precipitation or tributary runoff and prevent ponding and percolation of water at the site in compliance with Section 2546 of Subchapter 15. Temporary structures shall be installed as needed to comply with this requirement.
14. The disposal site shall be graded and maintained to promote runoff of precipitation and to prevent ponding of liquids and surface water. Erosion or washout of refuse or cover materials by surface flow shall be prevented.
15. No polluted surface waters shall leave this site except as permitted by a National Pollutant Discharge Elimination System (NPDES) permit issued in accordance with the Federal Clean Water Act and the California Administrative Code (CAC).
16. Any abandoned wells or bore holes under the control of the site owner or operator and situated within site boundaries, must be located and properly modified or sealed to prevent mixing of any waters between adjacent water-bearing zones. A notice of intent to decommission a well must be filed with the appropriate regulatory agencies prior to decommissioning. Procedures used to decommission these wells, or to modify wells still in use, must conform to the specifications of the local health department or other applicable agencies.

17. The Regional Board shall be notified of any incident resulting from site operations that may endanger health or the environment by telephone within 24 hours and in writing within 7 days. The written notification shall fully describe the incident, including time of occurrence and duration of the incident, a description of the type of, time of, and duration of corrective measures, when correction will be complete (if the endangerment is continual), and the steps taken or planned to reduce or prevent recurrence.

E. Provisions for Onsite Use of Water

1. Except for potable water, any waters used for landscape irrigation, dust control or other non-emergency uses, shall be subject to waste discharge requirements.
2. All use of water shall be within the boundaries of the landfill property. During an emergency, this water may be used for fire fighting on the site or on undeveloped areas off and adjacent to the site.
3. No water shall be routinely applied to the disposal site except for landscape irrigation, or for surface dust control. Water used for these purposes shall only be applied by spraying, and shall be applied only on completed lifts, in quantities not to exceed those necessary to reduce immediate dust hazards or support plant life.
4. During periods of precipitation, when the use of extracted waste water is not necessary for the purposes specified in this Order, the waste water shall be stored or hauled to a legal point of disposal.
5. Washing of landfill equipment or vehicles shall be confined to areas where the waste water will not percolate into the disposal areas or native soil, or enter the storm water collection system, unless specifically permitted by waste discharge requirements.
6. Water used onsite shall at all times be within the range of 6.0 to 9.0 pH units, and shall not exceed the following limits:

<u>Constituents</u>	<u>Unit</u>	<u>Maximum Limit</u>
COD	mg/l	240
Oil and Grease	mg/l	15
BNA <sup>[1]</sup>	mg/l	0.1
Total Heavy Metals <sup>[2]</sup>	mg/l	1.5
Purgeable Organics <sup>[3]</sup>	ug/l	45.0

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[1] BNA shall include the summation of concentrations of all base/neutral and acid extractable organic priority pollutant compounds.

[2] Total heavy metals shall include the combined concentrations of the following metals: arsenic, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver and zinc.

[3] Purgeable organic compounds shall include the summation of concentrations including purgeable priority pollutants, acetone and 2-butanone. No individual parameter may exceed 20 percent of the Maximum Limit.

7. Any water used onsite shall not exceed the maximum contaminated levels contained in Title 22, Chapter 15, Article 4, Section 64435, CCR (or subsequent revisions), for heavy metals, nitrates and organic chemicals, and in Section 64473 for copper and zinc. Radioactivity shall not exceed the limits specified in Title 22, Chapter 15, Article 5, Sections 64441 and 64443, CCR (or subsequent revisions).

**F. Provisions For Water Quality Monitoring**

1. The discharger shall furnish, under penalty of perjury, technical or monitoring program reports in accordance with Section 13267 of the CWC. Failure or refusal to furnish these reports, or falsifying any information provided therein, renders the discharger guilty of a misdemeanor and subject to the penalties stated in Section 13268 of the CWC. Monitoring reports shall be submitted in accordance with the specifications contained in the "Monitoring and Reporting Program" prepared by the Executive Officer. This Monitoring and Reporting Program is subject to periodic revisions as warranted.
2. The effectiveness of all monitoring wells, monitoring devices, and leachate and gas collection systems shall be maintained for the active life of this site and during the closure and post-closure maintenance periods. If any of these wells and/or monitoring devices are damaged, destroyed or abandoned for any reason, the discharger shall provide substitutes to meet the monitoring requirements of this Order.
3. The discharger shall insure that all of the monitoring wells and/or piezometers are in proper operating order at all times. The discharger shall have a "Monitoring Well Preventative Maintenance Program" approved by the Executive Officer. Elements of the program should include, a minimum of periodic visual inspections of the well integrity, pump removal and inspection, etc., plus appropriate inspection frequencies. If a well or piezometer is found to be inoperative, the Regional Board and other interested agencies shall be so informed in writing within 7 days after such discovery, and this notification shall contain a time schedule for returning the well or piezometer to operating order. The initial "Monitoring Well Preventative Maintenance Program" will be due to the Board within 60 days after the adoption of this Order. Changes to the program should be submitted for Executive Officer approval at least 30 days prior to implementing the change(s).
4. For any monitoring wells or piezometers installed in the future, the discharger shall submit technical reports for approval by the Executive Officer, prior to installation. These technical reports shall be submitted at least 90 days prior to the anticipated date of installation of the wells or piezometers. These reports shall be accompanied by:
  - a. Maps and cross sections showing the locations of the monitoring facilities; and
  - b. Drawings and data showing construction details of the monitoring facilities. These data shall include:
    - (i) casing and bore hole diameters;
    - (ii) casing materials (PVC, stainless steel, etc.)
    - (iii) depth of each hole;
    - (iv) size and positions of perforations;

- (v) method of joining casing sections together;
- (vi) nature of filter material;
- (vii) depth and composition of seals; and
- (viii) method and length of time of well development.

If a well or piezometer is proposed to replace an inoperative well or piezometer identified in the "Well Preventative Maintenance Program", the discharger shall not delay replacement while waiting for Executive Officer approval. However, the technical report shall be submitted within the required time schedule.

5. The discharger shall provide for the proper handling and disposal of water purged from the wells during sampling. Water pumped from the wells shall not be returned to that well (or any other well), unless appropriate waste discharge requirements have been prescribed, nor shall it be used for dust control or irrigation without waste discharge requirements.

**G. Provisions for Containment Structures**

1. The site shall have containment structures which are capable of preventing degradation of the waters of the State. Construction standards for containment structures shall comply with Article 4 of Subchapter 15. Any exceptions to these standards must fully meet the standards in Section 2510(b-c). Any deviation from these design specifications is subject to the Executive Officer's review and approval prior to any construction.
2. The discharger shall submit detailed preliminary and as-built plans, specifications, and descriptions for all future containment structures and monitoring systems for Executive Officer approval within 60 days after the adoption of this Order. The preliminary plans shall contain detailed quality assurance/quality control for the proposed construction. No disposal shall occur in a new area until the corresponding construction is completed and certified. The discharger shall also submit a description of and location data for ancillary facilities, including roads, waste handling areas, buildings, and equipment cleaning facilities. These plans and specifications shall be submitted within 30 days after completion of construction. If the preliminary plans and specifications and as-built plans are virtually identical, only change sheets need be submitted in lieu of complete as-built plans. Along with the change sheets or as-builts, the discharger shall submit a program, to be implemented upon request by the Executive Officer, which will provide for testing of any leachate collection and recovery systems to demonstrate their operating efficiency during the operating life of the facility, and during the closure and post-closure maintenance periods.
3. A legal description of the property boundaries of the disposal site shall be provided and permanent survey monuments shall be installed. The discharger shall also provide a scaled drawing of the site showing the legal description boundaries, the boundaries of the fill area, elevations of the disposal area, permanent monuments, structures and other significant features within 60 days of adoption of this Order.
4. Bench marks shall be established and maintained at the site in sufficient number to enable reference to key elevations and to permit control of critical grading and compaction operations.

**H. Provisions for Reporting Scheduled Activities**

1. The discharger shall furnish, within a reasonable time, any information the Regional Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The operator shall also furnish to the Regional Board, upon request, copies of records required to be kept by this Order.
2. The Regional Board shall be notified in writing within 7 days if fluid is detected in a previously dry leachate detection system, an LCRS, or if a progressive increase in the liquid volume is detected in an LCRS.
3. The discharger within 60 days after adoption of this Order shall submit an "Operation Plan", to be approved by the Executive Officer, describing the landfill operation which shall include:
  - a. Contingency plans for the failure or breakdown of waste handling facilities which could have any potential water quality effects, including notice of any such failure, or any detection of waste or leachate in monitoring facilities, to the Regional Board, appropriate local governments, and water users downgradient of the landfill.
  - b. A description of inspection and maintenance programs which will be undertaken regularly during disposal operations, the closure, and the post-closure maintenance period of facilities or equipment which could have any potential water quality effects.
4. The discharger shall notify the Regional Board of changes in information submitted in the ROWD and supplementary information, including any material change in the types, quantities, or concentrations of wastes discharged; or site operations and features. The discharger shall notify the Regional Board at least 120 days before any material change is made.
5. The discharger shall notify the Regional Board in writing of any proposed change of ownership or responsibility for construction, operation, closure, or post-closure maintenance of this facility. This notification shall be given prior to the effective date of the change and shall include a statement by the new discharger that construction, operation, closure, and post-closure maintenance will be in compliance with any existing waste discharge requirements and any revisions thereof.
6. The discharger shall submit final closure and post-closure maintenance plans to the Board at least 240 days prior to closure (unless this requirement is less stringent than laws or regulations adopted regarding Closure and Post Closure Plans adopted for other regulatory agencies).
7. The owner or operator of this facility shall notify the Regional Board in writing at least 180 days prior to the beginning of final closure activities. The notice shall include a statement that all closure activities will conform to the most recently approved closure plan and that the plan provides for site closure in compliance with all applicable federal and state regulations. In the event closure and post-closure maintenance plans have not been submitted for this disposal site, they shall accompany this notice.

8. The discharger shall submit a plan to be approved by the Executive Officer, within 60 days after adoption of this Order, demonstrating compliance with Subsection 2580(f) of Subchapter 15, which requires that the discharger provide for funding to insure that closure and post-closure maintenance activities are properly performed (unless this requirement is less stringent than laws or regulations adopted regarding closure and post-closure plans adopted for other regulatory agencies).
9. The owner or operator of this disposal site shall notify the Regional Board in writing at least 180 days prior to the beginning of final closure activities. The notice shall include a statement that all closure activities will conform to the most recently approved closure plan and that the plan provides for site closure in compliance with all applicable federal and state regulations. In the event closure and post-closure maintenance plans have not been submitted for this disposal site, they shall accompany this notice.
10. The owner or operator shall notify the Regional Board within 30 days after the completion of final closure activities that closure has been completed. The discharger shall certify under penalty of perjury that all closure activities were performed in accordance with the most recently approved closure plan and in accordance with all applicable regulations. The discharger shall certify that all closed disposal sites shall be maintained in accordance with approved post-closure maintenance plan(s).

#### **I. General Provisions**

1. Laidlaw shall comply with all other applicable provisions, requirements, and procedures contained in the most recent revision of the CCR, Title 23, Chapter 3, Subchapter 15, "Discharges of Waste to Land", and any amendments thereto.
2. Regional Board staff shall be allowed entry to the landfill, or where records are kept regarding the landfill, at any reasonable time. Staff shall be permitted to inspect any area of the landfill and any monitoring equipment used to demonstrate compliance with this Order. Staff shall be permitted to copy any records, photograph any area, obtain samples, and/or monitor operations to assure compliance with this Order, or as authorized by applicable laws or regulations.
3. The discharger shall maintain a copy of this Order at the site so as to be available at all times to site operating personnel.
4. This Board considers the property owner(s) to have a continuing responsibility for correcting any problems which may arise in the future as a result of this waste discharge and from gases and leachate that may be caused by infiltration or precipitation of drainage waters into the waste disposal areas or by infiltration of water applied to this property during subsequent use of the land for other purposes.
5. These requirements do not exempt the operator of this waste disposal site from compliance with any other current or future law which may be applicable. The requirements are not a permit; they do not legalize this waste disposal site, and they leave unaffected any further restraints on the disposal of wastes at this site which may be contained in other statutes.

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6. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the operators from their liabilities under federal, state or local laws.
7. The filing or a request by the operators for a modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any condition, provision, or requirement of this Order.
8. This Order does not convey any property rights of any sort, or any exclusive privilege.
9. The discharger must comply with all of the terms, requirements and conditions of this Order. Any violation of this Order constitutes a violation of the CWC, and is grounds for enforcement action, Order termination, Order revocation and reissuance, denial of an application for reissuance, or a combination thereof.
10. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:
  - a. Violation of any term or condition contained in this Order;
  - b. Obtaining this Order by misrepresentation, or failure to disclose all relevant facts;
  - c. A change in any condition that required either a temporary or permanent reduction or elimination of the authorized waste discharge.
11. Order No. 84-8, adopted on January 23, 1984, and Order No. 87-28, adopted on March 23, 1985, are hereby rescinded.

I, Robert P. Ghirelli, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on May 22, 1989.



ROBERT P. GHIRELLI, D.Env.  
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION

GENERAL MONITORING AND REPORTING PROVISIONS

1. All sampling, sample preservation, and analyses shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.
2. All chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health.
3. Effluent samples shall be taken downstream of any addition to the treatment works and prior to mixing with the receiving waters.
4. The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to ensure accuracy of measurements, or shall ensure that both activities will be conducted.
5. A grab sample is defined as an individual sample collected in fewer than 15 minutes.
6. A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period. The volume of each individual sample is proportional to the discharge flow rate at the time of sampling. The sampling period shall equal the discharge period, or 24 hours, whichever period is shorter.
7. For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.
8. By January 30 of each year, the discharger shall submit an annual report to the Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.
9. The discharger shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; date analyses were performed; analyst's name, analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board.
10. In reporting the monitoring data, the discharger shall arrange the data in tabular form so that the data, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with waste discharge requirements and, where applicable, shall include results of receiving water observations.
11. Monitoring reports shall be signed by:
  - a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the

overall operation of the facility from which the discharge originates;

- b. In the case of a partnership, by a general partner;
- c. In the case of a sole proprietorship, by the proprietor;
- d. In the case of a municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

12. Each report shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true correct.

Executed on the \_\_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_.

\_\_\_\_\_ (Signature)

\_\_\_\_\_ (Title)"

13. The discharger shall mail a copy of each monitoring report to the following:

California Regional Water Quality  
Control Board - Los Angeles Region  
107 South Broadway, Room 4027  
Los Angeles, CA 90012

ATTN: Executive Officer

- 14. If no flow occurred (or no waste was deposited) during the reporting period, the report shall so state.
- 15. These records and reports are public documents and shall be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region. Records or reports which might disclose trade secrets, etc., may be excluded from this provision as provided in Section 13267 (b) of the Porter-Cologne Water Quality Control Act, if requested.

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**MONITORING AND REPORTING PROGRAM NO. 6231  
FOR  
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**(File No. 67-20)**

**I. REPORTING**

A. The discharger shall implement this Monitoring and Reporting Program beginning June 1, 1989. Monitoring reports shall be submitted to the Board quarterly, by the fifteenth (15th) day of the second following month. The first monitoring report under this program is due September 15, 1989. Subsequent to receipt of any reports required by Water Quality Monitoring item F-4 of Order No. 89-52, this Monitoring and Reporting Program shall be revised accordingly.

B. Each monitoring report must affirm in writing that all analyses were conducted at a laboratory certified for such analyses in accordance with Section 13176 of the California Water Code and in accordance with current EPA guideline procedures contained in 40 CFR Part 136, or as specified in this Monitoring Program.

C. For any analyses performed for which no procedures are specified in the EPA guidelines or in this Monitoring Program, the constituent or parameter analyzed and the method or procedure used must be specified in the report. For any analysis performed for which no procedure is specified in the EPA guidelines or in this Monitoring Program, the constituent or parameter analyzed and the method or procedure used must be specified in the report.

D. The discharger may submit additional data to the Board not required by this Program in order to simplify reporting to other regulatory agencies.

E. The following items in the attached "General Monitoring and Reporting Provisions" shall be applicable to this program: Items 1, 4, 5, 7, 8 (with the exception that the report shall be due March 1st of each year), 9, 10, 11, 12, 13, 14, and 15.

F. Quarterly monitoring shall be performed during the months of January, April, July and October. Annual monitoring shall be performed during the month of October. In the event monitoring is not performed as above because of unforeseen circumstances, substitute monitoring shall be performed as soon as possible after these times, and the reason for the delay shall also be given.

G. Where the units for a parameter are listed as ug/l (ppb), suitable analytical techniques shall be used to achieve this precision. All method detection limits and practical quantitation limits shall be below the current Action Levels Recommended by the Department of Health Services, Sanitary Engineering Branch

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or the minimum limit of detection specified in EPA Methods or Appendix A, 40 CFR 136 if the Action Level is not achievable.

H. Analytical data reported as less than shall be reported as less than a numeric value or below the limit of detection for that particular analytical method (also give the limit of detection).

I. All analytical samples obtained for this Program shall be grab samples.

J. If the discharger performs analyses for any parameter more frequently than required by this Program using approved analytical methods, the results of those analyses shall be included in the monitoring report.

K. After approval of the required waste load checking program, results of that checking program shall be reported in each monitoring report. In the event that hazardous wastes or other unacceptable materials are detected, the type, source, and disposition of those wastes shall also be reported.

L. Laidlaw shall retain records of all monitoring information, including all calibration and maintenance records regarding monitoring instrumentation, and copies of all data submitted to regulatory agencies for a period of at least five years. This period may be extended by request of the Regional Board at any time and shall be extended during the course of any unresolved litigation regarding all or any part of the entire site.

M. Records of monitoring information shall include:

- a. The date, exact place, procedure and time of sampling or measurement;
- b. The individual(s) who performed the sampling or measurement;
- c. The date(s) analyses were performed on the samples;
- d. The individual(s) who performed the analyses;
- e. The analytical techniques or methods used; and
- f. The results of the analyses or measurements.

## II. WASTE DISPOSAL REPORTING

A. The first report to the Board shall include a map of the site and shall indicate the area(s) where disposal is taking place or will begin. This map shall be updated monthly and summarized and submitted with the annual report due March 1. If a new area is started, it shall be updated with the corresponding quarterly report.

B. A waste disposal report containing the following information shall be filed with this Board each quarter:

1. A tabular list of the estimated average monthly quantities (in cubic yards and tons) and types of materials (including dewatered sewage sludge) deposited each month.
2. An estimate of the remaining capacity (in cubic yards and tons) and the remaining life of the site in years and months.

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3. A certification that all wastes deposited were deposited in compliance with the Board's requirements, and that no wastes were deposited outside of the boundaries of the waste management area as specified in the Board's requirements.
4. A description of the location and an estimate of the seepage rate or flow of all known seeps and springs at the site.
5. The estimated amount of water used at the waste management area for landscape irrigation, compaction, dust control etc., during the month. (If other than drinking water is used, the sources and amounts of water from each source shall also be reported.)
6. Quantities of liquid pumped from the leachate monitoring sumps and/or extraction wells, including dates of removal, and the ultimate point of disposal if other than an onsite leachate treatment plant. If no liquid was detected or pumped during the reporting period, a statement to that effect shall be submitted.
7. If leachate is presented in the holding tank, the annual LCRS testings shall be performed during the first quarter and the resulted of the testings submitted in the following quarter.

C. In the event that treated incinerator ash is disposed of at the landfill, such disposal shall be subject to monitoring and reporting requirements which shall be developed prior to the disposal of this waste.

D. The discharger shall report all unacceptable (to this site) wastes inadvertently received at this site and their disposition. The following details shall be included:

1. The source (if known), including the hauler, of the unacceptable wastes and date received and/or discovered.
2. Identification (if known) and the amount of waste.
3. The name and address of the hauler (who removes the waste from this site), if different from the source.
4. The ultimate point of disposal for the waste.
5. Laidlaw's actions to prevent recurrence of the attempted depositing of unacceptable wastes by this source or individual (if applicable).

If no unacceptable wastes were received (or discovered) during the month, the report shall so state.

### III. GROUND WATER MONITORING

#### A. Provisions and General Requirements

1. For the purposes of this Program, the terms "Monitoring Well", "Extraction Well", "Confirmation Well", "Piezometer", and "Sump" are synonymous.
2. The ground water monitoring program must be carried out during the active life of this waste management area, during the closure and post-closure care periods, and during any interim periods when no wastes are deposited at the site.
3. Analytical results for ground water monitoring shall be submitted with the corresponding monthly waste disposal report. If a well was not sampled (or measured) during the reporting period, the reason for the omission shall be given. If no fluid was detected in a monitoring well, a statement to that effect (in lieu of analyses) shall be submitted.
4. Monthly observations and measurements of the static water levels shall be made on all monitoring wells and records of such observations shall be submitted with the monthly reports. All monitoring wells shall be sounded each October to determine total depth. Wells affected by pumping shall be measured prior to pumping insofar as is possible.
5. Unless otherwise stated, all metals analyses shall be filtered and for the total metals concentrations. Filtering of water samples may be performed in the field with bladder pumps and in-line filters (not less than .045 microns in size). Dissolved metals concentrations may also be analyzed, provided that they are analyzed from separate, unfiltered samples. Both may be performed, if Laidlaw chooses.
6. No filtering of samples taken for VOC's analyses shall be permitted.
7. The velocity and direction of ground water flow under the waste management unit shall be determined quarterly for the first year and every third quarter thereafter. ("Third" means nine months later, not the July to September quarter.)
8. Pumping data regarding fluid pumped from each well (other than for analytical samples) shall be reported to the Board each month in the monthly waste disposal report and shall include:
  - a. Date and quantity of fluid pumped, and the method of disposal or reuse purpose if reused.
  - b. If no fluid was pumped during the month from any monitoring well, a statement to that effect shall be submitted.

#### B. Monitoring Well Locations

1. Representative ground water samples shall be obtained from at least the following monitoring wells. Laidlaw may monitor and submit additional data from other wells if they so choose.

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a. Existing Wells

DW-3 (background)  
SW-1, DW-1, RA-1, DW-2, B-1, RD-1, DW-6, DW-7 (downgradient)  
AL-1, AL-2, AL-3, BL-1, BL-2, BL-3, BL-4, BL-5, BL-6,  
BL-7, DL-1, DL-2, DL-3 (unsaturated zone)

b. New Wells

Laidlaw shall construct one additional downgradient well located between Well DW-1 and Well DW-7.

2. The precise locations, depths, well screen lengths and other design criteria for the new groundwater well shall be submitted to the Executive Officer for approval as required by Item F-4 of Order No. 89-XXX.

C. Sampling and Analyses

1. The following are the indicator parameters for this facility: Electrical conductivity, chloride, sulfate, pH, total organic halogen, BOD, and COD.

2. Routine quarterly sampling and analyses shall consist of the following parameters:

<u>Parameters</u>	<u>Units</u>
pH <sup>[1]</sup>	pH units
Electrical conductivity	umhos/cm
BOD <sub>5</sub> 20°C	mg/l
COD	mg/l
Total dissolved solids	mg/l
Boron	mg/l
Alkalinity <sup>[1]</sup>	mg/l
Ammonia (as N)	mg/l
Bicarbonate (HCO <sub>3</sub> )	mg/l
Calcium	mg/l
Chloride	mg/l
Iron (total and dissolved)	mg/l
Total Hardness (as CaCO <sub>3</sub> )	mg/l
CO <sub>2</sub> <sup>[1]</sup>	mg/l

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[1] Although field determination is the preferred procedure for pH in the presence of dissolved carbon dioxide, pH may be determined in the laboratory if the total elapsed time between sampling and testing is less than 6 hours and the sample is properly sealed during transit. Each report shall certify that these conditions were met if laboratory determination of these parameters was done in lieu of field determination.

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Fluoride	mg/l
Sulfate	mg/l
Sodium	mg/l
Potassium	mg/l
Nitrate (as N)	mg/l
Total organic carbon	mg/l
Total organic halogens	ug/l
Benzene	ug/l
Carbon tetrachloride	ug/l
Trichloroethylene	ug/l
Perchloroethylene	ug/l
Vinyl chloride	ug/l

3. Once each year, during the month of October, all wells shall be sampled and these samples analyzed for volatiles, semi-volatiles, pesticides and PCBs using EPA methods 624, 625 and 8080. Methods 601 and 602 may be substituted for 624. All peaks greater than 10% of the internal standard shall be identified and quantified for gas chromatography analyses. The following heavy metals shall also be determined: Arsenic, Barium, Cadmium, Total Chromium, Copper, Mercury, Nickel, Selenium, Silver, and Zinc. Total cyanide and sulfides shall also be determined.

Ordered By:



ROBERT P. GHIRELLI, D.Env.  
Executive Officer

Date:

May 22, 1989