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

ORDER NO. R4-2002-022

GENERAL WASTE DISCHARGE REQUIREMENTS

FOR POST-CLOSURE MAINTENANCE OF INACTIVE NONHAZARDOUS WASTE LANDFILLS WITHIN THE LOS ANGELES REGION

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

BACKGROUND

1. Nonhazardous solid waste landfills (which include former Class II-2 landfills, former Class III landfills and burn dumps) have been regulated by the State Water Resources Control Board (State Board) and the Regional Boards since the 1960's through the issuance of Waste Discharge Requirements (WDRs). The applicable regulations governing landfills in California, Division 3, Chapter 15 (Discharges of Waste to Land) of Title 23, California Code of Regulations (Title 23) are now contained in Division 2 (commencing with section 20005) of Title 27 of the California Code of Regulations (hereafter this combination of division and title is simply referred to as "Title 27").

2. Pursuant to Title 27 section 20080(g), landfills that are closed, abandoned, or inactive on (or before November 27, 1984) are not specifically required to be closed in accordance with Chapter 3, Subchapter 5 (Closure and Post-Closure Maintenance) (commencing with section 20950) requirements of Title 27. However, these landfills are subject to prior post-closure maintenance requirements that are carried over in Title 27, section 21090 (b) and (c).

3. Regional Board staff estimates that there are in excess of 700 landfills in the Los Angeles Region, the majority of which were closed, abandoned, or inactive prior to November 27, 1984. With increased redevelopment in the Los Angeles Region, Regional Board staff is increasingly being requested to evaluate groundwater monitoring and post-closure maintenance requirements for these closed, abandoned, or inactive landfills. For each such request, staff has to evaluate the need for a groundwater monitoring program and the potential impact from the redeveloped end use to waters of the state. Such requests are anticipated to continue, and far exceed the capacity of staff to review and bring to the Board for consideration of individual waste discharge requirements in a timely manner. These circumstances create the need for an expedited system for processing the numerous

requests for implementing groundwater monitoring and post-closure maintenance requirements for these closed, abandoned, or inactive landfills.

4. Many of the closed, abandoned and inactive landfills in the Los Angeles Region contain a variety of nonhazardous materials, including municipal, agricultural, and/or petroleum wastes. However, these facilities also received waste during a time period when record-keeping and other environmental requirements were not as stringent. The facilities sometimes received a variety of waste materials commingled with more common, inert and or nonhazardous wastes. As a result, the groundwater monitoring requirements specified by this Order and its attachments are intended to screen and sample for a wide variety of wastes (including pesticides and solvents) that may have been disposed in the facilities subject to this Order.

5. Pursuant to Title 27 section 20080(g), persons responsible for discharges at landfills that are closed, abandoned, or inactive may be required to develop and implement a monitoring program. If water quality impairment is found, such persons may be required to develop and implement a corrective action program based on the provisions of Chapter 3, Subchapter 3, Article 1 (Water Quality Monitoring and Response Programs for Solid Waste Management Units), of Title 27 section 20380 et seq.

6. The Regional Board may require formal closure of a landfill in accordance with Title 27 Chapter 3, Subchapter 5, Articles 1 (commencing with section 20950) and 4 (commencing with section 21430) under the following conditions listed below, consistent with Title 27 section 22190:

   a. when there is a proposed site development or land use change that jeopardizes the integrity of the existing cover;

   b. when water quality impairment is found, as part of a groundwater monitoring program; or

   c. when nuisance conditions exist that warrant such activity.

7. Pursuant to California Water Code (CWC), section 13263, this Regional Board issues WDRs for post-closure maintenance of inactive landfills. In accordance with CWC section 13263(d) the Regional Board may prescribe requirements although no Report of Waste Discharge (ROWD) has been filed.

8. The State Board has developed a fee rating system (Title 23, section 2200) for WDRs that considers a discharge's threat to water quality and complexity. The two-dimensional

rating system requires the Regional Board to assign each discharge a category of threat to water quality between "1" (most threatening) and "3" (least threatening) based on certain factors. Similarly, the Regional Board must assign each discharge a complexity rating between "A" (most complex) and "C" (least complex). As discussed below, this Order covers two classes of discharge: those with a fee rating of 1-B or 3-C.

9. CWC section 13273 requires the State Board to develop a ranked list of all known landfills throughout the state on the basis of the threat to water quality. Section 13273 requires the operator of each solid waste disposal site on the ranked list to conduct and submit to the appropriate Regional Board the results of a Solid Waste Assessment Test (SWAT) report to determine if the site is leaking hazardous waste.

10. SWAT reports indicated that landfills which contain decomposable waste have leaked hazardous waste to groundwater. Volatile organic constituents in groundwater near the inactive landfills may have occurred through landfill gas migration. These impacts to groundwater adversely affect beneficial uses and could cause a long-term loss of a designated beneficial use.

11. Because of the potential impact to groundwater quality, from leaking inactive landfills, the Regional Board considers such landfills as a category "1" threat to water quality, in accordance with Title 23, section 2200. As former Class II or Class III waste management facilities, the inactive landfills subject to this Order are assigned a complexity ranking of category "B".

12. Landfills that do not contain decomposable waste such as those that were operated by open burning of refuse may also impact water quality. The residual waste material may contain soluble constituents which are leachable to waters of the state under acidic conditions. Potential water quality impacts from these landfills could result from erosion during the rainy season, if waste is exposed and is not contained onsite. Surface water quality objectives may be exceeded in cases of extreme erosion of these landfill surfaces. For purposes of this Order, the Regional Board considers landfills a category "3" threat to water quality when potential discharges could degrade water quality without violating water quality objectives or cause a minor impairment of designated beneficial uses. The "complexity" rating is a category "C" for discharges that must comply with best management practices such as erosion control measures.

13. The issuance of this Order establishing general WDRs is consistent with this Regional Board's goal to provide water resources protection, enhancement, and restoration, while balancing economic and environmental impacts as stated in the Strategic Plan of the State

Water Resources Control Board and the Regional Boards, and in conformance with the Porter-Cologne Water Quality Control Act (CWC, section 13000, et seq.).

14. The issuance of this Order may supersede existing site-specific orders that were issued by this Regional Board to landfills that are in post-closure maintenance.

15. The adoption of general WDRs for inactive landfills for post-closure maintenance would assist in:

    a. Protecting the groundwaters and surface waters of the state from pollution or contamination;

    b. Simplifying and expediting the application process for WDRs by dischargers; and

    c. Reducing time expended by Regional Board staff on preparing and considering individual WDRs for each project.

16. The Regional Board has determined that the issuance of general WDRs for post-closure maintenance of inactive, nonhazardous waste landfills is appropriate. The classes of facilities are similar in nature, present similar threats to water resources, can be similarly managed, and lend themselves to general requirements for the entire class of facilities covered by this Order.

17. The Regional Board adopted a revised Water Quality Control Plan for the Los Angeles Region (Basin Plan) on June 13, 1994. The Basin Plan contains beneficial uses (municipal and domestic supply, agricultural supply, industrial process supply, industrial service supply, groundwater recharge, and freshwater replenishment) and water quality objectives for groundwater in the Los Angeles Region. The requirements in this Order, as they are met, will be in conformance with the goals of the Basin Plan.

18. Inactive landfills are existing facilities and as such are exempt from the provisions of the California Environmental Quality Act in accordance with Title 14, California Code of Regulations, section 15301.

19. The Regional Board, in establishing the requirements contained herein, considers factors identified in CWC section 13263(a) including, but not limited to the following:

    a. Past, present, and probable future beneficial uses of water;

b. Environmental characteristics of the hydrologic unit under consideration, including the quality of water available thereto;

c. Water quality conditions that could reasonably be achieved through the coordinated control of all factors that affect water quality in the area;

d. Economic considerations;

e. Beneficial uses to be protected and water quality objectives reasonably required for that purpose;

f. Other waste discharges;

g. The need to prevent nuisance.

20. The Regional Board has considered all water resource related environmental factors associated with the discharge of waste associated with these inactive landfills.

21. In accordance with the Governor's Executive Order requiring any proposed activity be reviewed to determine whether such activity will cause additional energy usage, Regional Board staff have determined that implementation of these general WDRs will not result in a change in energy usage.

22. The Regional Board has notified interested agencies and all known interested parties of its intent to issue post-closure maintenance requirements for these inactive landfills.

23. The Regional Board in a public meeting heard and considered all comments pertaining to post-closure maintenance of these inactive landfills.

IT IS HEREBY ORDERED, that:

A. ELIGIBILITY

1. Enrollment into Order R4-2002-022 is not mandatory and is only applicable to landfills closed, abandoned, or inactive on or before November 27, 1984 per Title 27 section 20080(g). Landfills will only be enrolled Order R4-2002-022 under three scenarios:

a. the discharger is required to enroll into the program to satisfy a Conditional Use Permit, or equivalent requirement and submits the required filing materials, or

b. the discharger elects to be enrolled under the program and submits the required filing materials.

c. the Executive Officer directs the discharger to be enrolled under the program because site conditions may pose a threat to water quality.

2. In order for the Executive Officer to enroll an inactive landfill under this Order, the discharger shall submit a complete ROWD and an appropriate filing fee (pursuant to Title 23, section 2200 [Annual Fee Schedule]) for each inactive landfill. The ROWD shall include the following:

a. Form 200, *Application for Facility Permit/Waste Discharge.*

b. A discussion of the landfill and waste characteristics including:

i. Identification of the period during which waste was disposed of at the site;

ii. Description of landfill disposal methods, operation and maintenance activities;

iii. Description of types and quantities of waste disposed of;

iv. Identification of the total volume of waste disposed of at the site;

v. Any closure or post-closure activities conducted at the landfill subsequent to ceasing operation; and

vi. Present and future land use of the inactive landfill.

c. Documentation of how the discharger will comply with all applicable requirements of this Order for the inactive landfills.

d. A topographic scale map showing the location, users, and uses of all wells located within one mile of the inactive landfill.

e. Any other information pertinent to the protection of water quality and the prevention of nuisance.

2. The discharger shall receive authorization from the Executive Officer, stating that it is appropriate to regulate the inactive landfill under this Order and that individual WDRs are not required. The authorization letter shall specify the following:

   a. Any modification to monitoring and reporting program(s) accompanying these WDRs.

   b. Any other conditions necessary to ensure that the facility can conform to this Order in order to protect the beneficial uses of receiving waters.

3. It may be necessary for a discharger, authorized under this Order, to apply for and obtain individual WDRs with more specific requirements. When individual WDRs with specific requirements are issued to a discharger, the applicability of these general WDRs to the individual permittee shall be terminated on the effective date of the individual permit.

4. Notwithstanding the conditions specified above, individual cases may be brought to the Regional Board for consideration of WDRs when deemed appropriate by the Executive Officer.

B. PROHIBITIONS

1. Discharges of waste to land as a result of inadequate post-closure maintenance practices, and that have not been specifically described to the Regional Board and for which valid WDRs are not in force, are prohibited.

2. The discharge of waste shall not:

   a. Cause the Regional Board's objectives for the ground or surface waters as established in the Basin Plan, to be exceeded;

   b. Cause pollution, contamination, or nuisance, or adversely affect beneficial uses of ground or surface waters as established in the Basin Plan;

c. Cause the occurrence of coliform or pathogenic organisms in waters pumped from a groundwater basin;

d. Cause the occurrence of objectionable tastes and odors in waters pumped from a groundwater basin;

e. Cause waters pumped from a groundwater basin to foam;

f. Cause the presence of toxic materials in waters pumped from a groundwater basin; or

g. Cause the pH of waters pumped from a groundwater basin to fall below 6.0, or rise above 9.0.

3. Odors, vectors, and other nuisances of waste origin beyond the limits of the landfill site are prohibited.

4. The discharge of waste to surface drainage courses is prohibited.

5. Basin Plan prohibitions shall not be violated.

6. The use of pressurized water lines overlying waste is prohibited unless the water lines are designed in accordance with Maintenance Specification D.5 (Irrigation Systems Control) discussed below.

C. GROUNDWATER MONITORING

1. Groundwater monitoring is a critical component of the post-closure maintenance program prescribed in this Order. Therefore, the discharger shall demonstrate through either completion of a SWAT questionnaire or a SWAT report that there has been no discharge of contamination to groundwater. Otherwise, the discharger shall complete a SWAT monitoring program as part of post-closure maintenance per this Order. For all landfills that have not completed a SWAT, the discharger shall submit a SWAT proposal as defined in section 13273 of the CWC within 90 days of when the landfill is enrolled under this Order. Based on the results of the SWAT program, the Regional Board will either issue a letter to the discharger indicating that further groundwater monitoring at the site is not required or require implementation of a groundwater quality monitoring program per requirements listed below and in section C of monitoring and reporting program CI-8372.

SWAT Monitoring Program

2. The discharger shall provide the following basic information in conformance with the State Board's SWAT Technical Guidance Manual for use by owners/operators in preparing SWAT reports (Attachment 1):

   a. Description of the disposal site and its history.

   b. Thorough description of the site hydrogeology.

   c. Rationale for the location and design of all monitoring points.

   d. Well logs and sample analysis data.

   e. Interpretation of the data relative to hazardous waste leakage.

   f. Certification of the preparer's credentials.

3. The SWAT program consists of the following:

   a. Initial submittal of a SWAT Proposal or "Workplan" to the Regional Board containing the discharger's plans for compliance with the SWAT law.

   b. Establishment of a monitoring network that meets all requirements of Title 27.

   c. Either inclusion of upgradient monitoring points or acceptance of responsibility by the discharger for all pollutants detected through downgradient monitoring.

   d. Sampling at least four different times over a year in order to ensure detecting any seasonal discharges.

   e. Analysis of water quality samples for:

      i. Volatile Organics (EPA 624)

      ii. Semi-volatile Organics (EPA 625)

iii. ICAP Metals

f. Quality Control/Quality Assurance of all laboratory chemical analyses.

4. The SWAT Program shall focus on groundwater monitoring. However, in cases where there was an apparent threat to surface water quality, surface water monitoring points shall also be established, and when approved by the Executive Officer, shall be monitored by the discharger in conformance with an approved monitoring plan.

5. Vadose zone monitoring shall be implemented during the SWAT program. However, the Regional Board's Executive Officer may waive this requirement for sites where the waste is very close to or present in groundwater; that is, where little or no vadose zone exists, and where it was assumed that the groundwater analysis will show any leakage.

6. In cases where a site is already being addressed through another program or action by the Regional Board, the Regional Board's Executive Officer may consider reports submitted for the other program or action to be equivalent to a SWAT report. Examples include submittals of Hydrogeological Assessment Reports (HARs) for compliance with the Toxic Pit Cleanup Act, reports prepared in response to a Cleanup and Abatement Order, or monitoring under the core regulatory waste discharge requirement program for waste discharges to land (Land Disposal).

Groundwater Monitoring Program

7. The discharger shall use the constituents listed in Monitoring and Reporting Program No. CI-8372 and revisions thereto, as "monitoring parameters". These monitoring parameters are a short list of constituents and parameters used shall be used for the majority of monitoring activity and are subject to the most appropriate statistical or non-statistical tests under the attached Monitoring and Reporting Program No. CI-8372 and any revised monitoring and reporting program approved by the Regional Board's Executive Officer.

8. The discharger shall implement the attached Monitoring and Reporting Program No. CI-8372 and revisions thereto in order to detect, at the earliest opportunity, any unauthorized discharge of waste constituents from the landfill or any unreasonable impairment of beneficial uses associated with (caused by) discharges of waste to the landfill.

9. The discharger shall follow the Water Quality Protection Standards (WQPS) for detection monitoring established by the Regional Board in this Order pursuant to Title 27 section 20390. WQPS may be modified by the Regional Board based on more recent or complete groundwater monitoring data such as from the monitoring network required by this Order, changes in background water quality, or for any other valid reason. The following are five parts of WQPS as established by this Regional Board:

   a. For facilities enrolled under this Order, groundwater quality limits for the following constituents are established based on region-wide limits in the Basin Plan or based on site-specific data as allowed in the Basin Plan.

   b. The discharger shall test for the monitoring parameters listed below and in Monitoring and Reporting Program No. CI-8372 and revisions thereto for:

Monitoring Parameters		**Test Method**
1.	Chemical Oxygen Demand (COD)	EPA 410.4
2.	Total Organic Halides (TOX)	EPA 9020
3.	Total Organic Carbon (TOC)	EPA 415.1
4.	Total Dissolved Solids (TDS)	EPA 160.1
5.	Chloride	EPA 300.0
6.	Sulfate	EPA 300.0
7.	Boron	EPA 6010
8.	Hydroxide Alkalinity ($CaCO_3$)	Std. M2320B
9.	Total Hardness (as $CaCO_3$)	Std. M2340
10.	Volatile Organics	EPA 8260*

   *All peaks greater than 10% of the internal standard shall be identified and quantified for gas chromatography analyses.

   c. The concentration limit for each monitoring parameter for each monitoring point shall be its background value as obtained during that reporting period.

   d. Monitoring points and background monitoring points for detection monitoring shall be those used during the SWAT monitoring program and any revised monitoring and reporting program approved by the Regional Board's Executive Officer.

e. The minimum duration of the compliance period for the landfill is five (5) years. Each time the standard is not met (i.e., releases discovered), the landfill begins a compliance period on the date the Regional Board directs the discharger to begin an Evaluation Monitoring Program (EMP). If the discharger's Corrective Action Program (CAP) has not achieved compliance with the standard by the scheduled end of the compliance period, the compliance period is extended until the landfill has been in continuous compliance for at least three consecutive years.

10. For each monitoring point described in this Order, the discharger shall monitor semiannually for the monitoring parameters listed in Specification No. C.9.b and for the monitoring parameters listed below, for the detection monitoring program. In determining whether measurably significant evidence of a release from the waste management unit exists, concentration limits, listed in Specification No. C.9.c of this Order, shall be used for the monitoring parameters.

Monitoring Parameters	**Test Method**
Electrical Conductivity	Field
pH	Field
Groundwater Elevation	Field

11. Once each year, during the Spring/Summer monitoring period, all wells shall be sampled and also analyzed for the following expanded list of constituents of concern (COCs). COCs are those constituents which are likely to be in the waste in the landfill or which are likely to be derived from waste constituents, in the event of a release. Based on the results of the SWAT monitoring program or any additional source(s) of monitoring information, the discharger may propose a modified list of COC parameters for approval by the Executive Officer. If approved by the Executive Officer the monitoring and reporting program for the site will be amended with the revised COC monitoring parameters.

Monitoring Parameters	**Test Method**
Semi-volatiles*	EPA 3510/8270
Pesticides*	EPA 3510/8080
PCBs*	EPA 3510/8080
Metals**	EPA 6010 (else, see below)
Biological Oxygen Demand	EPA 405.1
Foaming Agents	EPA 425.1
Herbicides	EPA 8150
Nitrate (as N)	EPA 300.0

Nitrite	EPA 300.0
Oil and Grease	EPA 413.2
Sulfides	EPA 376.2
Total cyanide	EPA 335.2
Total phenols	EPA 420.1
Turbidity	NTU; EPA 180.1

*All peaks greater than 10% of the internal standard shall be identified and quantified for gas chromatography analyses.

** Aluminum, Antimony, Arsenic (EPA 7060), Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Hexavalent chromium (Std. Method 3500 CrO), Lead, Magnesium, Mercury (EPA 7470), Molybdenum, Nickel, Potassium, Selenium (EPA 7740), Silver, Sodium, Strontium, Thallium, Tin, Vanadium, and Zinc

D. POST-CLOSURE MAINTENANCE SPECIFICATIONS

General Maintenance Requirements

1. The discharger shall prepare a post-closure maintenance plan within 90 days of being enrolled in these general WDRs which contains, but is not limited to, the following:

   a. The persons, companies, or agencies responsible for each aspect of landfill maintenance, along with their addresses and phone numbers;

   b. Location map(s) indicating property boundaries and the existing limits of waste, internal roads, and structures within the property boundary.

   c. Location map(s) of current monitoring and control systems including drainage and erosion control systems and landfill gas monitoring and control systems.

   d. A description of the methods, procedures, schedules, and processes that will be used to maintain, monitor and inspect the landfill.

2. The landfill maintenance period shall continue until the Regional Board's Executive Officer determines that remaining wastes in all waste management units (WMUs) at the site will not threaten water quality.

3. Landfilled areas shall be adequately protected from any washout, erosion of wastes or cover materials. The surface drainage system shall be designed to adequately handle the rainfall from a 100-year, 24-hour storm event.

4. The structural integrity and effectiveness of all containment structures and the existing cover shall be maintained as necessary to correct the effects of settlement or other adverse factors.

5. For inactive landfills with water lines overlying waste, the design shall consider, but not be limited to, the following:

   a. Flexible connectors;

   b. Secondary containment;

   c. Moisture sensors within secondary containment;

   d. Rain sensors;

   e. Annual leak testing;

   f. Automatic shutoff valves; and

   g. A maintenance plan describing the inspection and maintenance schedule for all mitigation devices.

Erosion Control

9. Any necessary erosion control measures shall be implemented, and any necessary construction, maintenance, or repairs of precipitation and drainage control facilities shall be completed to prevent erosion, ponding, flooding, or to prevent surface drainage from contacting or percolating through wastes at the facility on an annual basis. The annual erosion control measures shall be completed prior to the anticipated rainy season but not later than October 31. In addition, maintenance, and repairs necessitated by changing site conditions shall be made at any time of year.

10. Silt fences, hay bales, and other erosion control measures shall be used to manage surface water runoff from landfill areas where landfill cover has recently been

constructed, and from areas where landfill containment system construction is occurring.

11. All areas, including surface drainage courses, shall be maintained to minimize erosion. Landfill cover shall be maintained to minimize percolation of liquids through wastes.

Surface Drainage

12. Surface water runoff within the boundaries of the landfill (i.e., precipitation that falls on the landfill cover) shall be collected by a system of berms, ditches, downchutes, swales and drainage channels, and shall be diverted off the landfill to either desilting basins or to natural watercourses offsite.

13. Surface drainage from tributary areas and internal site drainage from surface and subsurface sources shall not contact or percolate through waste and shall either be contained onsite or be discharged in accordance with applicable storm water regulations.

14. Surface drainage from the landfill is subject to State Board Order No. 97-03-DWQ, National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000001, "Waste Discharge Requirements for Discharges of Storm Water Associated with Industrial Activities Excluding Construction Activities".

15. Where flow concentrations result in erosive flow velocities, surface protection such as asphalt, concrete, riprap, silt fences or other erosion control materials shall be used for protection of drainage conveyance structures. Interim bench ditches shall be provided with erosion control material and riprap to control erosion where necessary.

16. Where high velocities occur at terminal ends of downchutes, or where downchutes cross landfill cover access roads, erosion control material shall be applied to exposed soil surfaces. Energy dissipaters shall be installed to control erosion at locations where relatively high erosive flow velocities are anticipated.

Expanded Post-Closure Maintenance Requirements

17. If results of a SWAT program indicate statistically significant evidence of a release from the landfill, the discharger shall implement the following expanded post-closure maintenance requirements and revised post-closure maintenance

requirements approved by the Regional Board's Executive Officer.

18. The discharger shall comply with all applicable requirements of Title 27 Chapter 3, Subchapter 5, Article 2 (Closure and Post-Closure Maintenance Standards for Disposal Sites and Landfills) (commencing with section 21090, hereafter "Post Closure Maintenance Regulations").

19. Any vegetation used at the site shall be selected to require minimum irrigation and maintenance, and shall not impair the integrity of containment structures including the existing cover.

20. For all inactive landfills with decomposable waste that have a final cover system that differs from the prescriptive design described in Title 27 section 21090 (a)(1-3), the discharger shall submit a technical report to the Regional Board, for approval by the Executive Officer, that evaluates the effectiveness of the existing alternative cover in limiting infiltration into the waste per Title 27 section 20080 (b)(2)(A) and (B). The technical report shall be submitted no later that 180 days after the landfill has been enrolled under these general WDRs.

21. The migration of landfill gas from the site shall be controlled, as necessary, to ensure that landfill gases and gas condensate are not discharged to surface waters or groundwaters. Condensate shall be collected and removed from the site except as defined in Title 27, section 20090(e).

E. PROVISIONS

1. Neither the treatment nor the discharge of waste shall create a pollution, contamination, or nuisance, as defined by CWC section 13050.

2. This Order includes the *"Standard Provisions Applicable to Waste Discharge Requirements"*, adopted November 7, 1990 (Attachment 2). If there is any conflict between provisions stated herein and the Standard Provisions, these provisions stated herein will prevail.

3. The discharger shall comply with all conditions of this Order and any additional conditions prescribed by the Regional Board in addenda thereto. Noncompliance with this Order constitutes a violation of the CWC and is grounds for:

   a. enforcement action;

b. termination, revocation and reissuance, or modification of this Order; or

c. other actions allowed by law.

4. The discharger shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Order, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the noncompliance.

5. The discharger shall, at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the discharger to achieve compliance with conditions of this Order. Proper operation and maintenance includes effective performance, adequate laboratory and process controls including appropriate quality assurance procedures.

6. This Order may be modified, revoked and reissued, or terminated for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this Order;

b. Obtaining this Order by misrepresentation or failure to disclose fully all relevant and material facts required by the ROWD; or

c. A change in any condition that requires either a temporary, permanent reduction, or elimination of the authorized discharge.

7. The filing of a request by the discharger for the modification, revocation and reissuance, or termination of this Order, or notification of planned changes or anticipated noncompliance does not stay any condition of this Order.

8. This Order is not transferable to any person except after notice to the Executive Officer. The Regional Board may require modification or revocation and reissuance of this Order to change the name of the discharger and incorporate such other requirements as may be necessary under the CWC. The discharger shall submit notice of any proposed transfer of this Order's responsibility and coverage as described under Reporting Requirement F.3 of this Order.

9. In accordance with CWC section 13263(g), these requirements shall not create a vested right to continue to discharge. All discharges of waste into the waters of the State are privileges, not rights, and are subject to rescission or modification.

10. The discharger shall allow the Regional Board, or an authorized representative, upon the presentation of credentials and other documents as may be required by law to:

    a. Enter upon the discharger's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Order;

    b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order;

    c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and

    d. Sample or monitor at reasonable times, for the purposes of assuring compliance with this Order or as otherwise authorized by the CWC, any substances or parameters at any location.

11. A copy of this Order shall be maintained at the local offices of the discharger and shall be available to operating personnel at all times.

12. The provisions of this Order are severable, and if any provision of this Order, or the application of any provision of this Order to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Order, shall not be affected thereby.

13. This Order becomes effective on the date of adoption by this Regional Board.

F. REPORTING REQUIREMENTS

1. The discharger shall file the following reports in accordance with the following schedule:

    a. Report of Waste Discharge

The discharger shall file a new ROWD at least 120 days prior to the following:

i. Significant change in post-closure maintenance activities which would significantly alter existing drainage patterns and slope configurations, or pose a potential threat to the integrity of the site;

ii. Change in land use other than as described in the findings of this Order;

iii. Significant change in disposal area, e.g. excavation and relocation of waste on site; or

iv. Any planned change in the regulated facility or activity which may result in noncompliance with this Order.

b. Workplan

The discharger shall submit a workplan at least 30 days prior to any maintenance activities, for approval by the Executive Officer, which could alter existing surface drainage patterns or change existing slope configurations. These activities may include, but not be limited to, significant grading activities, the importation of fill material, the design and installation of soil borings, groundwater monitoring wells and other devices for site investigation purposes.

c. Written Notification

The discharger shall provide verbal notification at least two working days prior to any maintenance activities that are routine in nature, do not add a significant amount of water, do not inhibit drainage, have limited potential for impacts to beneficial use of water, and will not interfere with future routine maintenance. These activities may include, but not be limited to:

i. routine maintenance grading and dust control;

ii. landscaping with minimal/no water application;

iii. gas surveys with temporary probes; or

iv. replacement/removal of gas collection wells.

2. The discharger shall furnish to the Executive Officer, within a reasonable time, any information which the Executive Officer may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The discharger shall also furnish to the Executive Officer, upon request, copies of records required by this Order.

3. The discharger shall notify the Executive Officer, in writing, at least 30 days in advance of any proposed transfer of this Order's responsibility and coverage between the current owner and new owner for construction, operation, closure, or post-closure maintenance of a landfill. This agreement shall include an acknowledgement that the existing owner is liable for violations up to the transfer date and that the new owner is liable from the transfer date on. The agreement shall include an acknowledgement that the new owners shall accept responsibility for compliance with this Order that includes the post-closure maintenance of the landfill.

4. Where the discharger becomes aware that it failed to submit any relevant facts in a ROWD or submitted incorrect information in a ROWD or in any report to the Regional Board, it shall promptly submit such facts or information.

5. The discharger shall report any noncompliance that may endanger health or the environment. Any such information shall be provided verbally to the Executive Officer within 24 hours from the time the owner becomes aware of the circumstances. A written submission shall also be provided within seven days of the time the owner becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue, and steps taken or planned to reduce, eliminate, or prevent recurrence of the noncompliance. The Executive Officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

6. The discharger shall notify the Executive Officer immediately of any slope failure occurring in a waste management unit. Any failure which threatens the integrity of the containment features or the waste management unit shall be promptly corrected after approval of the method and schedule by the Executive Officer.

7. The discharger shall comply with the attached monitoring and reporting program CI-8372. Monitoring results shall be reported at the intervals specified in monitoring and reporting program CI-8372.

8. All applications, reports, or information submitted to the Executive Officer shall be signed and certified as follows:

   a. The ROWD shall be signed as follows:

      i. For a corporation - by a principal executive officer of at least the level of vice-president.

      ii. For a partnership or sole proprietorship - by a general partner or the proprietor, respectively.

      iii. For a municipality, state, federal or other public agency - by either a principal executive officer or ranking elected official.

      iv. For a military installation - by the base commander or the person with overall responsibility for environmental matters in that branch of the military.

   b. All other reports required by this Order and other information required by the Executive Officer shall be signed by a person designated in paragraph 8.a of this provision, or by a duly authorized representative of that person. An individual is a duly authorized representative only if:

      i. The authorization is made in writing by a person described in paragraph 8.a of this provision;

      ii. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity; and

      iii. The written authorization is submitted to the Executive Officer.

   c. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

9. The discharger shall submit reports required under this Order and other information requested by the Executive Officer, to:

California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, California 90013
ATTN: Technical Services Unit

10. The discharger shall perform quarterly inspections of the landfill site and report the results semi-annually. The report shall contain information on the site condition and a discussion of any significant findings with regard to:

a. General site conditions;

b. Surface cover and slope;

c. Drainage facilities;

d. Groundwater and vadose zone monitoring networks;

e. Methane gas control systems;

f. Observation of seepage from the site; and

g. Maintenance activities at the site.

11. A copy of the Storm Water Pollution Prevention Plan for the site shall be submitted to this Regional Board by April 30 on an annual basis, or as it is updated.

G. NOTIFICATIONS

1. These requirements have not been officially reviewed by the United States Environmental Protection Agency and are not issued pursuant to section 402 of the Clean Water Act.

2. The CWC provides that any person who intentionally or negligently violates any WDRs issued, reissued, or amended by this Regional Board is subject to administrative civil liability of up to 10 dollars per gallon of waste discharged, or if no discharge occurs, up to $1,000 per day of violation. The Superior Court may impose civil liability of up to $10,000 per day of violation or, if a cleanup and abatement order has been issued, up to $15,000 per day of violation.

3. The CWC provides that any person failing or refusing to furnish technical or monitoring program reports, as required under this Order, or falsifying any information provided in the monitoring reports is guilty of a misdemeanor and may be subject to administrative civil liability of up to $1,000 per day of violation.

4. Post-closure maintenance of this waste management unit may be subject to regulations of the California Integrated Management Board, the South Coast Air Management District or the Ventura County Air Pollution Control District.

5. Definitions of terms used in this Order shall be as set forth in Title 27, section 20164.

I, Dennis A. Dickerson, Executive Officer, do 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 January 24, 2002.

Dennis A. Dickerson
Executive Officer