

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION**

ORDER NO. R7-2003-0019

WASTE DISCHARGE REQUIREMENTS
AND
CLOSURE/POST-CLOSURE MAINTENANCE
FOR
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT, OWNER/LESSOR
COUNTY OF SAN BERNARDINO, OPERATOR/LESSEE
PARKER DAM SANITARY LANDFILL
CLASS III LANDFILL
Southwest of Parker Dam – San Bernardino County

The California Regional Water Quality Control Board, Colorado River Basin Region, finds that:

1. The County of San Bernardino, 222 West Hospitality Lane, San Bernardino, California 92415-0017, is the operator and lessee of the Parker Dam Sanitary Landfill (hereinafter referred to as the Landfill), located approximately three (3) miles southwest of Parker Dam.
2. The United States Department of the Interior, Bureau of Land Management (BLM), 690 W. Garnet Avenue, North Palm Springs, California 92258, is the lessor and owner of the property known as Parker Dam Sanitary Landfill, Parker Dam, California.
3. Definition of terms used in this Board Order:
 - a. Waste Management Facility (WMF) – The entire parcel of property where waste discharge operations are conducted.
 - b. Waste Management Unit (WMU) – An area of land, or a portion of waste management facility, where waste is or was discharged. The term includes containment and ancillary features for precipitation and drainage control and monitoring.
 - c. Landfill – A waste management unit where waste is discharged to land. It does not include surface impoundments, waste piles, or land and soil treatment.
 - d. Discharger – Discharger means the County of San Bernardino and BLM.

4. The Landfill is located in southern California, southwest of the city of Parker Dam in San Bernardino County, as shown on Attachments A & B. The property encompasses 40 acres. The landfilling occurred on 5.5 acres of the property. The Landfill is located in the NW Corner of Section 17, T2N, R27E, SBB&M, as shown on Attachment C.
5. The Landfill is bounded on the north by Precambrian Metamorphic Gneiss and on the northwest by the Whipple Mountains. The crystalline bedrock is exposed over about half of the site. Beneath the site and immediately overlying the gneiss bedrock are Quaternary alluvial materials consisting of interbedded gravels, sands, silts and clays. In these areas, depth to bedrock varies across the site from 17.5 feet to 100 feet.
6. The discharger reports that no documented faults cross the site. Several faults occur approximately two (2) miles west and north of the site in the Whipple Mountain area. None of the faults are considered active or potentially active.
7. The Landfill started operating in 1957. In 1972, the Landfill became subject to Waste Discharge Requirements (WDRs) under Board Order No. 72-035. The WDRs were updated in Board Order No. 83-009.
8. In 1987, the Landfill stopped receiving waste. Board Order No. 91-049 was adopted on November 20, 1991, to reflect the closure and post-closure maintenance requirements.
9. The discharger reports that about 38,000 cubic yards of non-hazardous and inert wastes, as defined in Title 27, were disposed of at this WMF.
10. The non-hazardous and inert solid wastes consisted of residential trash, commercial demolition wastes, and agricultural wastes. In addition to the solid waste, the WMF also accepted septage wastes, including septic tank pumpage, chemical toilet waste, grease and oil trap pumpings.
11. The septage pond materials were excavated and disposed of in the Landfill when the site was closed in 1987. The excavated septage pond area was backfilled with clean soil.
12. On September 15, 1993, the WDRs were amended when Board Order No. 93-071 incorporating RCRA, Subtitle D, was adopted by the Regional Board.
13. The Landfill is currently regulated by WDRs under Board Orders No. 91-049 and 93-071. These WDRs are being updated to incorporate applicable closure requirements of combined State Water Resources Control Board/California Integrated Waste Management Board regulations, Division 2, Title 27 (hereinafter referred to as Title 27) and closure and post-closure regulations of Section 258.6,

Subpart F of Resources Conservation and Recovery Act, Subtitle D (hereinafter referred to as RCRA, Subtitle D).

14. The Landfill is not lined and does not have a leachate collection removal system.
15. The discharger reports that the WMF is used as non-irrigated open space.
16. Land in the vicinity of the WMF is zoned as a resource conservation district by the County of San Bernardino. Land use in the vicinity of the WMF is predominantly for recreational activities.
17. Average annual precipitation for the general vicinity of the site is about 4.5 inches per year. The average annual evaporation is 86 inches per year.
18. The 100-year, 24-hour precipitation event for the site is 3.5 inches.
19. Surface water drainage in the area of the WMF is primarily controlled by southeast trending ephemeral desert washes. These washes drain the mountains to the north of the WMF and eventually empty into the Colorado River. Elevations across the site range from approximately 440 feet above mean sea level (msl) near the northern edge to 390 feet above msl on the south side. The WMF is topographically 30 feet higher than the Colorado River floodplain.
20. A drainage channel along the eastern side of the WMF was constructed to provide a drainage path for surface water runoff from the north trending canyon in which the WMF was built. A concrete-lined drainage ditch was built along the northwestern periphery of the WMF as part of the closure work, in order to prevent infiltration of surface water runoff into the WMF.
21. In accordance with Section 15301, Chapter 3, Title 14 of the California Code of Regulations, the issuance of these waste discharge requirements, which govern the operation of an existing facility involving negligible or no expansion of use beyond that previously existing, is exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000 et seq.)
22. The Landfill is located in the Colorado Hydrologic Unit.
23. The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan) as amended to date, designates the beneficial uses of ground and surface water in the Region.
24. The designated beneficial uses of the ground waters in the Colorado Hydrologic Unit are:
 - a. Municipal supply (MUN)
 - b. Industrial supply (IND)

c. Agricultural supply (AGR)

24. The discharger submitted a Solid Waste Assessment Test (SWAT) report in July 1991. During the SWAT investigation, the discharger installed four (4) ground water monitoring wells at the Landfill. One (1) upgradient monitoring well; PD-1, and three (3) downgradient monitoring wells; PD-2, PD-3 and PD-4, as shown on Attachment C.
25. Groundwater flow beneath the site is toward the southeast. Groundwater depth ranges from 40 to 55 feet below ground surface and has a flat hydraulic gradient. The groundwater hydraulic gradient is estimated to be ~ 0.002 ft/ft.
26. The discharger constructed a final cover of three (3) layers of soil with a total thickness of four (4) feet as follows:
 - Foundation layer – approximately two (2) feet of sand and gravel
 - Hydraulic barrier layer – one (1) foot of low permeability clay
 - Protective soil layer – one (1) foot of soil
 - Vegetable cover – locally adaptable plant and grasses to prevent erosion
27. The monitoring and reporting requirements in Monitoring and Reporting Program No. R7-2003-0017, and the technical and monitoring program reports described in Provision C.13, are necessary to determine compliance with these WDRs and to determine the facility's impacts, if any, on ground water.
28. The Board has notified the discharger and all known interested agencies and persons of its intent to update waste discharge requirements for this discharge and has provided them with an opportunity for a public meeting and opportunity to submit comments.
29. The Board, in a public meeting, heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, that Board Order No. R7-2002-0119 is rescinded, and in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, the discharger shall comply with the following:

A. Specifications

1. The discharger shall not cause degradation of any water supply.

2. Surface drainage from tributary areas, and internal site drainage from surface or subsurface sources, shall not contact or percolate through the wastes discharged at the site.
3. The exterior surface of final cover shall be graded and maintained to promote lateral runoff of precipitation and to prevent ponding.
4. The WMF shall be protected, during the post-closure maintenance period, from washout or inundation that could occur as a result of a 100-year storm event.
5. The Board shall be notified immediately of any structural failure occurring at the WMF.
6. The discharger shall use the constituents listed in Monitoring and Reporting Program No. R7-2003-0017 and revisions thereto, as "Monitoring Parameters". These monitoring parameters are subject to the most appropriate statistical or non-statistical test under Monitoring and Reporting Program No. R7-2003-0017, Part III, and any revised Monitoring and Reporting Program approved by the Regional Board's Executive Officer.
7. The discharger shall implement the attached Monitoring and Reporting Program No. R7-2003-0017, and revisions thereto, in order to detect, at the earliest opportunity, any unauthorized discharge of waste constituents from the WMF, or any unreasonable impairment of beneficial uses associated with (caused by) discharges of waste to the WMF.
8. The discharger shall not cause the concentration of any Constituent of Concern (COC) or monitoring parameter to exceed its respective background value in any monitored medium at any monitoring point assigned to detection monitoring.
9. The discharger shall follow the Water Quality Protection Standards (WQPS) for detection monitoring established by the Regional Board in this Board Order pursuant to Title 27. The following are five (5) parts of WQPS as established by the Regional Board (the terms of art used in this Board Order regarding monitoring are defined in Part I of the attached Monitoring and Reporting Program No. R7-2003-0017, and revisions thereto (hereby incorporated by reference):
 - a. The discharger shall test for the monitoring parameters and the COC listed in Monitoring and Reporting Program No. R7-2003-0017 and revisions thereto.
 - b. Concentration Limit – The concentration limits for each monitoring parameter and COC, for each monitoring point (as stated in Detection

- Monitoring Program Part II), shall be its background value as obtained during that reporting period.
- c. Monitoring points and background monitoring points for detection monitoring shall be those listed in Part II.A.4. of the attached Monitoring and Reporting Program No. R7-2003-0017 and any revised Monitoring and Reporting Program approved by the Regional Board's Executive Officer.
 - d. Points of Compliance - The points of compliance monitoring wells shall be those listed in Part II.A.4 of the attached Monitoring and Reporting Program No. R7-2003-0017 and revisions thereto.
 - e. Compliance Period – The estimated duration of the compliance period for this Landfill is six (6) 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 and Monitoring Program. If the dischargers' Corrective Action Program (CAP) has not achieved compliance with the standard by the scheduled end of the compliance period, the compliance period is automatically extended until the Landfill has been in continuous compliance for at least three (3) consecutive years.
10. The discharger shall remove and relocate any wastes that are discharged at this site after the closure.
 11. Water used for site maintenance shall be limited to the amount necessary for dust control.
 12. The discharger shall not cause the release of pollutants, or waste constituents in a manner which could cause a condition of contamination, nuisance or pollution to occur, as indicated by the most appropriate statistical (or non-statistical) data analysis method and retest method listed in Part III of the attached Monitoring and Reporting Program No. R7-2003-0017.
 13. The discharger shall conduct a thorough and comprehensive inspection of the WMF once a year and immediately after any special events, such as earthquakes or storms.
 14. The discharger shall install at a minimum, two (2) survey monuments at the Landfill for monitoring refuse settlement. Also, the entire permitted site shall be aerially photographed at the end of the closure activities and every five (5) years throughout the post-closure maintenance period.
 15. The migration of any landfill gas shall be controlled as necessary to prevent impairment of beneficial uses of groundwater.

B. Prohibitions

1. The discharge of any waste to the WMF is prohibited.

C. Provisions

1. The discharger shall comply with Monitoring and Reporting Program No. R7-2003-0017, and future revisions thereto, as specified by the Regional Board's Executive Officer.
2. Prior to any change in ownership or management of this operation the discharger, the discharger shall transmit a copy of this Board Order to the succeeding owner/operator, and forward a copy of the transmittal letter to the Regional Board.
3. The discharger shall notify the Regional Board, in writing, of any proposed change in responsibility for post-closure maintenance.
4. The discharger shall ensure that all site-operating personnel are familiar with the content of this Board Order, and shall maintain a copy of this Board Order at the site.
5. This Board Order does not authorize violation of any federal, state, or local laws or regulations.
6. The discharger shall allow the Regional Board, or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:
 - a. Enter upon the premises regulated by this Board Order, or the place where records must be kept under the conditions of this Board Order;
 - b. Have access to and copy, at reasonable times, any records that shall be kept under the conditions of this Board Order;
 - c. Inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated under this Board Order;
 - d. Sample or monitor, at reasonable times, for the purpose of assuring compliance with this Board Order or as otherwise authorized by the California Water Code, any substances or parameters at this location.
7. Unless otherwise approved by the Regional Board's Executive Officer, all analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services. All analyses shall be conducted in

accordance with the latest edition of “Guidelines Establishing Test Procedures for Analysis of Pollutants”, promulgated by the USEPA.

8. The discharger shall neither cause nor contribute to the contamination or pollution of ground water via the release of waste constituents in either liquid or gaseous phase.
9. This Board Order does not convey any property rights of any sort or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
10. All regulated disposal systems shall be readily accessible for sampling and inspection.
11. Adequate measures shall be taken to assure that flood or surface drainage waters do not erode or otherwise render portions of the discharge facilities inoperable.
12. The discharger is the responsible party of the WDRs and the Monitoring and Reporting Program for this facility. The discharger shall comply with all conditions of these WDRs. Violations may result in enforcement actions, including Regional Board Orders or court orders, requiring corrective action or imposing civil monetary liability, or modification or revocation of these WDRs by the Regional Board.
13. The discharger shall furnish, under penalty of perjury, technical monitoring program reports, and such reports shall be submitted in accordance with the specifications prepared by the Regional Board’s Executive Officer. Such specifications are subject to periodic revisions as may be warranted.
14. All containment structures and erosion and drainage control systems shall be designed and constructed under direct supervision of a California Registered Civil Engineer or Certified Engineering Geologist, and shall be certified by the individual as meeting the prescriptive standards and performance goals of Title 27.
15. The Regional Board considers the property owner and operator to have a continuing responsibility for correcting any problems, which may arise in the future as a result of this waste discharge.
16. The discharger shall, within two (2) weeks of a significant earthquake event, submit to the Regional Board, a detailed post-earthquake report, describing any physical damages to the containment features, groundwater monitoring and/or leachate control facilities, and a corrective action plan to be implemented at the Landfill.

17. The discharger shall immediately notify the Regional Board of any flooding, slope failure or other change in site conditions, which could impair the integrity of waste containment facilities or of precipitation and drainage control structures.
18. The discharger shall maintain visible monuments identifying the boundary limits of the entire WMF.
19. Within 180 days of the adoption of this Board Order, the discharger shall submit to the Regional Board, in accordance with Section 20380(b) of Title 27, assurance of financial responsibility acceptable to the Regional Board's Executive Officer for initiating and completing corrective action for all known or reasonable foreseeable release for the Landfill.
20. The Discharger shall submit, to this Regional Board and to the California Integrated Waste Management Board, evidence of Financial Assurance for Closure and Post-Closure, pursuant to Section 22212, Title 27. The post-closure period shall be at least 30 years. However, the post-closure maintenance period shall extend as long as the waste poses a threat to water quality.
21. The discharger shall continue post-closure maintenance of the WMF and the ground water monitoring for a period of 30 years or until monitoring data indicates that contamination or environmental hazards are not occurring.
22. This Board Order is subject to Regional Board review and updating, as necessary, to comply with changing state of federal laws, regulations, policies, or guidelines, or changes in the discharger characteristics.

I, Philip A. Gruenberg, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order Adopted by the California Regional Water Quality Control Board, Colorado River Basin Region on May 7, 2003.

Original Signed by

Philip A. Gruenberg
Executive Officer

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION**

MONITORING AND REPORTING PROGRAM NO. R7-2003-0019

FOR

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT, OWNER/LESSOR
COUNTY OF SAN BERNARDINO

SOLID WASTE MANAGEMENT DIVISION, OPERATOR/LESSEE

CLOSURE AND POST-CLOSURE MAINTENANCE

PARKER DAM SANITARY LANDFILL

CLASS III LANDFILL

Southwest of Parker Dam – San Bernardino County

CONSISTS OF

PART I, PART II AND PART III

PART I

A. GENERAL

Responsibilities of waste dischargers are specified in Section 13225(a), 13267(b), and 13387(b) of the California Water Code, and the State Water Resources Control Board's Resolution No. 93-062. This self-monitoring program is issued pursuant to Provision No. 1 of Regional Board Order No. R7-2003-0019. The principal purposes of a self-monitoring program by a waste discharger are:

1. To document compliance with WDRs and prohibitions established by the Regional Board;
2. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from discharge;
3. To prepare water quality analyses;
4. To prepare vadose zone (unsaturated zone) gas, if applicable, and liquid quality analyses.

B. DEFINITION OF TERMS

1. The "Monitored Media" are those water or gas-bearing media that are monitored pursuant to this Monitoring and Reporting Program. The Monitoring Media may include: (1) ground water in the uppermost aquifer, in any other portion of the zone of saturation (Title 27, Section 20164) in which it would be reasonable to anticipate that waste constituents migrating from the unit could be detected, and in any perched zones underlying the Unit, (2) any bodies of surface water that could be measurably affected by a release, (3) soil-pore liquid beneath and/or adjacent to the Unit, and (4) soil-pore gas beneath or adjacent to the Unit.
2. The "Constituents of Concern (COC)" 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.
3. The "Monitoring Parameters" consists of a short list of constituents and parameters used for the majority of monitoring activity.
4. The "Volatile Organics Composite Monitoring Parameter for Water (VOC_{water})" and the "Volatile Organics Composite for Monitoring Parameter for Soil-Pore Gas (VOC_{spg})" are composite Monitoring Parameters addressing all volatile organic constituents detectable in a sample of water or soil-pore gas, respectively. (See Part III.A.2. of this Program for additional discussion of these Monitoring Parameters).

5. "Standard Observations" refer to:

a. For Receiving Waters

1. Floating and suspended materials of waste origin: presence or absence, source, and size of affected area;
2. Discoloration and turbidity: description of color, source, and size of affected area;
3. Evidence of odors: presence or absence, characterization, source, and distance of travel from source;
4. Evidence of beneficial use: presence of water-associated wildlife;
5. Flow Rate; and
6. Weather conditions: wind direction and estimated velocity, total precipitation during the previous five (5) days and on the day of observation.

b. Along the perimeter of the Landfill:

1. Evidence of liquid leaving or entering the Unit, estimated size of the affected area, and flow rate (show affected area on map);
2. Evidence of odors: presence or absence, characterization, source, and distance of travel from source; and
3. Evidence of erosion and/or of exposed refuse.

c. For the Landfill:

1. Evidence of ponded water at any point of the Landfill (show affected area on map);
2. Evidence of odors: presence or absence, characterization, source, and distance of travel from source;
3. Evidence of erosion and/or of day lighted refuse; and
4. "Standard Analysis and Measurements", which refers to:
 - a. Turbidity (only for water samples) in NTU:

- b. Water elevation to the nearest 1/100th foot above mean sea level (only for ground water monitoring); and
 - c. Sampling and statistical/non-statistical analysis of the Monitoring Parameters.
- 6. "Matrix Effect" refers to any increase in the Method Detection Limit or Practical Quantitation Limit for a given constituent as a result of the presence of other constituents – either of natural origin or introduced through a release – that are present in the sample of water or soil-pore gas being analyzed.
- 7. "Facility-Specific Method Detection Limit (MDL)", for a given analytical laboratory using a given analytical method to detect a given constituent (in spite of any Matrix Effect) means the lowest concentration at which the laboratory can regularly differentiate – with 99% reliability – between a sample which contains the constituent and one (1) which does not.
- 8. "Facility-Specific Practical Quantitation Limit (PQL)", for a given analytical laboratory using a given analytical method to determine the concentration of a given constituent (in spite of any Matrix Effect) means the lowest constituent concentration the laboratory can regularly quantify within specified limits of precision that are acceptable to the Regional Board's Executive Officer.
- 9. "Reporting Period" means the duration separating the submittal of a given type of monitoring report from the time the next iteration of that report is scheduled for submittal. Therefore, the reporting period for monitoring parameters is every five (5) years, and the reporting period for COC is every five (5) years. The submittal dates for each reporting period shall be as follows:
 - a. Monitoring Parameter reports – (January 1 through December 31 of 5th year)
Report due by February 15 of the following year
 - b. Constituent of Concern reports – (January 1 through December 31 of 5th year)
Report due by February 15 of the following year

Upon adoption of this Board Order, the first report is due by February 15, 2004. Further reports are due as stated in Part 9(a).

C. SAMPLING AND ANALYTICAL METHODS

Sampling collection, storage, and analysis shall be performed according to the most recent erosion of Standard USEPA methods, and in accordance with an approval sampling and analysis plan. Water and waste analysis shall be performed by a laboratory approved for these analyses by the State of California. Specific methods of analysis must be identified. If methods other than USEPA-approved methods or

Standard Methods are used, the exact methodology must be submitted for review and must be approved by the Regional Board's Executive Officer prior to use. The director of the laboratory whose name appears on the certification shall supervise all analytical work in his/her laboratory and shall sign all reports of such work submitted to the Regional Board. All monitoring instruments and equipment shall be properly calibrated and maintained to ensure accuracy of measurements. In addition, the discharger is responsible for seeing that the laboratory analysis of all samples from Monitoring Points and Background Monitoring Points meets the following restrictions:

- a. The methods and analysis and the detection limits used must be appropriate for the expected concentrations. For detection monitoring of any constituent or parameter that is found in concentrations which produce more than 90% non-numerical determinations (i.e. "trace" or "ND") in data from Background Monitoring Points for that medium, the analytical methods having the lowest "facility-specific method detection limit (MDL)", defined in Part I.B.7., shall be selected from among those methods which would provide valid results in light of any "Matrix Effects" (defined in Part I.B.6.) involved.
- b. "Trace" results; results falling between the MDL and the facility-specific practical quantification limit (PQL), shall be reported as such, and shall be accomplished both by the estimated MDL and PQL values for that analytical run and by an estimate of the constituents concentration.
- c. MDLs and PQLs shall be derived by the laboratory for each analytical procedure, according to State of California laboratory accreditation procedures. These MDLs and PQLs shall reflect the detection and quantitation capabilities of the specific analytical procedure and equipment used by the lab, rather than simply being quoted from USEPA analytical method manuals. If the lab suspects that, due to a change in matrix or other effects, the true detection limit or quantitation limit for a particular analytical run differs significantly from the laboratory-derived MDL/PQL values, the results shall be flagged accordingly, along with an estimate of the detection limit and quantification limit actually achieved.
- d. All QA/QC data shall be reported, along with the sample results to which it applies, including the method, equipment, and analytical detection limits, the recovery rates, an explanation of any recovery rate that is less than 80%, the results of equipment and method blanks, the results of spiked and surrogate samples, the frequency of quality control analysis, and the name and qualifications of the person(s) performing the analyses. Sample results shall be reported unadjusted for blank results or spike recovery.
- e. Upon receiving written approval from the Regional Board's Executive Officer, an alternate statistical or non-statistical procedure can be used for determining the significance of analytical results for a constituent that is common laboratory

contaminant (i.e., methylene chloride, acetone, diethylhexyl phthalate, and di-n-octyl phthalate) during any given Reporting Period in which QA/QC samples show evidence of laboratory contamination for that constituent. Nevertheless, analytical results involving detection of these analytes in any background or downgradient sample shall be reported and flagged for easy reference by Regional Board staff.

- f. Unknown chromatographic peaks shall be reported, along with an estimate of the concentration of the unknown analyte. When unknown peaks are encountered, second column or second method confirmation procedures shall be performed to attempt to identify and more accurately quantify the unknown analyte.
- g. In cases where contaminants are detected in QA/QC samples (i.e. field, trip, or lab blanks), the accompanying sample results shall be appropriately flagged.
- h. The MDL shall always be calculated such that it represents a concentration associated with a 99% reliability of a non-zero result.

D. RECORDS TO BE MAINTAINED

Written reports shall be maintained by the discharger or laboratory, and shall be retained for a minimum of five (5) years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board. Such records shall show the following for each sample:

1. Identity of sample and of the Monitoring Point or Background Monitoring Point from which it was taken, along with the identity of the individual who obtained the sample;
2. Date and time of sampling;
3. Date and time that analyses were started and completed, and the name of the personnel performing each analysis;
4. Complete procedure used, including method of preserving the sample, and the identity and volumes of reagents used;
5. Calculations of results; and
6. Results of analyses, and the MDL and PQL for each analysis.

E. REPORTS TO BE FILED WITH THE BOARD

1. A written "Detection Monitoring Report" shall be submitted every five (5) years (Part II.A.2.), in addition to an "Annual Summary Report" (Part I.E.3.). Every five (5) years, the discharger shall submit a report concerning the direct analysis of all COC as indicated in Part II.A.3. ("COC Report"). The reports shall be comprised of at least the following:

- a. Letter of Transmittal

A letter transmitting the essential points in each report shall accompany each report. Such a letter shall include a discussion of any requirement violations found since the last such report was submitted, and shall describe actions taken or planned for correcting those violations. If the discharger has previously submitted a detailed time schedule for correcting said requirement violations, a reference to the correspondence transmitting such schedule will be satisfactory. If no violations have occurred since the last submittal, this shall be stated in the letter of transmittal. Monitoring reports and the letter transmitting the monitoring reports shall be signed by a principal executive officer at the level of vice-president or above, or by his/her duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true, complete, and correct;

- b. Each Detection Monitoring Report and each COC Report shall include a compliance evaluation summary. The summary shall contain at least:

1. For each monitored ground water body, a description and graphical presentation of the velocity and direction of the ground water flow under/around the Unit, based upon water level elevations taken during the collection of the water quality data submitted in the report;
2. Pre-Sampling Purge for Samples Obtained From Wells: For each monitoring well addressed by the report, a description of the method and time of water level measurement, of the type of pump used for purging and the placement of the pump in the well, and of the method of purging (the pumping rate, the equipment and methods used to monitor field pH, temperature, and conductivity during purging, the calibration of the field equipment, results of the pH, temperature, conductivity, and turbidity testing, the well recovery time, and the method of disposing of the purge water);

3. Sampling: For each Monitoring Point and Background Monitoring Point addressed by the report, a description of the type of pump – or other device – used and its placement for sampling, and a detailed description of the sampling procedure (number and description of the samples, field blanks, travel blanks, and duplicate samples taken, the type of containers and preservatives used, the date and time of sampling, the name and qualifications of the person actually taking the samples, and any other observations);
- c. A map or aerial photograph showing the locations of observation stations, Monitoring Points, and Background Monitoring Points;
- d. For each Detection Monitoring Report and each COC Report, include laboratory statements of results of all analyses demonstrating compliance with Part I.C.;
- e. An evaluation of the effectiveness of the leachate monitoring and control facilities, and of the run-off/run-on control facilities;
- f. A summary and certification of completion of all Standard Observations (Part I.B.5.) for the Unit, for the perimeter of the Landfill, and for the Receiving Waters; and
- g. The quantity and types of wastes discharged.

2. CONTINGENCY REPORTING

- a. The discharger shall report by telephone concerning any seepage from the disposal area immediately after it is discovered. A written report shall be filed with the Regional Board within seven (7) days, containing at least the following information:
 1. A map showing the location(s) of seepage;
 2. An estimate of the flow rate;
 3. A description of the nature of the discharge (e.g., all pertinent observations and analyses); and
 4. Corrective measures underway or proposed.
- b. Should the initial statistical comparison (Part III.A.1.) or non-statistical comparison (Part III.A.2.) indicate, for an COC of Monitoring Parameter, that a release is tentatively identified, the discharger shall immediately notify the

Regional Board verbally as to the Monitoring Point(s) and constituent(s) or parameter(s) involved, shall provide written notification by certified mail within seven (7) days of such determination (Section 20420(j)(l) of Title 27), and shall carry out a discrete retest in accordance with Parts II.A.1., and III.A.3. If the retest confirms the existence of a release, the discharger shall carry out the requirements of Part I.E.2.d. In any case, the discharger shall inform the Regional Board of the outcome of the retest as soon as the results are available, following up with written results submitted by certified mail within seven (7) days of completing the retest.

- c. If either the discharger or the Regional Board determines that there is significant physical evidence of a release (Section 20385(3) of Title 27), the discharger shall immediately notify the Regional Board of this fact by certified mail (or acknowledge the Regional Board's determination) and shall carry out the requirements of Part I.E.2.d. for all potentially-affected monitored media.
- d. If the discharger concludes that a release has been discovered:
 - i. If this conclusion is not based upon "direct monitoring" of the COC, pursuant to Part II.A.3. then the discharger shall, within 30 days, sample for all COC at all Monitoring Points and submit them for laboratory analysis. Within seven (7) days of receiving the laboratory analytical results, the discharger shall notify the Regional Board, by certified mail, of the concentration of all COC at each Monitoring Point. Because this scan is not to be tested against background, only a single datum is required for each COC at each Monitoring Point (Section 20420(k)(l) of Title 27);
 - ii. The discharger shall, within 90 days of discovering the release, submit a Revised Report of Waste Discharge proposing an Evaluation Monitoring Program meeting the requirements of Section 20420(k)(5) of Title 27 and Section 20425 of Title 27; and
 - iii. The discharger shall, within 180 days of discovering the release, submit a preliminary engineering feasibility study meeting the requirements of Section 20420(k)(6) of Title 27.
- e. Any time the discharger concludes – or the Regional Board's Executive Officer directs the discharger to conclude – that a liquid- or gaseous-phase release from the Unit has proceeded beyond the facility boundary, the discharger shall so notify all persons who either own or reside upon the land that directly overlies any part of the plume (Affected Persons).
 - i. Initial notification to Affected Persons shall be accomplished within 14 days of making this conclusion and shall include a description of the discharger's current knowledge of the nature and extent of the release; and

- ii. Subsequent to initial notification, the discharger shall provide updates to all Affected Persons – including any newly Affected Persons – within 14 days of concluding there has been any material change in the nature or extent of the release.

3. ANNUAL SUMMARY REPORT

- a. A Graphical Presentation of Analytical Data (Section 20415(e)(14) of Title 27). For each Monitoring Point and Background Monitoring Point, submit in graphical format, the laboratory analytical data for all samples using the entire historical analytical database. Each such graph shall plot the concentration of one (1) or more constituents over time for a given Monitoring Point and Background Monitoring Point, at a scale appropriate to show trends or variations in water quality. The graphs shall plot each datum, rather than plotting mean values. For any given constituent or parameter, the scale for background plots shall be the same as that used to plot downgradient data. On the basis of any aberrations noted in the plotted data, the Regional Board's Executive Officer may direct the discharger to carry out a preliminary investigation (Section 20080(d)(2) of Title 27), the results of which will determine whether or not a release is indicated;
- b. All monitoring analytical data obtained during previous Reporting Periods, presented in tabular form as well as on compact disc or other similar form of media acceptable to the Regional Board's Executive Officer. Data sets too large to fit on a single compact disc may be submitted on a disk in a commonly available compressed format (e.g., PK-ZIP or NORTON BACKUP). The Regional Board regards the submittal of data in hard copy and on a compact disc as "...the form necessary for..." statistical analysis (Section 20420(h) of Title 27) in that this facilitates periodic review by the Regional Board's statistical consultants;
- c. A comprehensive discussion of the compliance record, and the result of any correction actions taken or planned which may be needed to bring the discharger into full compliance with the WDRs;
- d. A map showing the area, if any, in which filling has been completed during the previous calendar year;
- e. A written summary of the ground water and soil-pore gas analyses, indicating any changes made since the previous annual report; and
- f. An evaluation of the effectiveness of the leachate monitoring/control facilities, pursuant to Title 27, Section 20340.

PART II: MONITORING AND OBSERVATION SCHEDULE

A. WATER AND SOIL-PORE GAS SAMPLING/ANALYSIS FOR DETECTION MONITORING

1. Thirty-Day Sample Procurement Limitation: For any given monitored medium, the samples taken from all Monitoring Points and Background Monitoring Points to satisfy the data analysis requirements for a given reporting period shall all be taken within a span not exceeding 30 days, and shall be taken in a manner that insures sample independence to the greatest extent feasible (Section 20415(e)(12)(B) of Title 27). Ground water sampling shall also include an accurate determination of the ground water surface elevation and field parameters (temperature, electrical conductivity turbidity) for that Monitoring Point or Background Monitoring Point (Section 20415(e)(13) of Title 27); ground water elevations taken prior to purging the well and sampling for Monitoring Parameters shall be used to fulfill the water flow rate/direction analyses required under Part II.A.6. Statistical or non-statistical analysis shall be carried out as soon as the data is available, in accordance with Part III of this program.

2. “Indirect Monitoring” for Monitoring Parameters Done Every Five (5) Years: For each monitoring medium, all Monitoring Points assigned to detection monitoring and all background Monitoring Points (Part II.A.4) shall be monitored every five (5) years in accordance to the following schedule and for parameters listed in the Summary of Self Monitoring and Reporting Program No. R7-2003-0019:

Every five (5) years: January 1 through December 31 of the 5th year

Monitoring for Monitoring Parameters shall be carried out in accordance with Part II.A.1. and Part III of this program.

3. “Direct Monitoring” of all Constituents of Concern Every Five (5) Years: In the absence of a release being indicated (1) pursuant to Parts II.A.2. and III.A.3. for a Monitoring Parameter, (2) based upon physical evidence, pursuant to Part I.E.2.c, or (3) by a study required by the Regional Board’s Executive Officer based upon anomalies noted during visual inspection of graphically-depicted analytical data (Part I.E.3.a.), then the discharger shall sample all Monitoring Points and Background Monitoring Points of water-bearing media, not including soil-pore gas, for all COC every fifth year, beginning with the first sampling event, to take place in the Autumn/Fall of 2007 (the first 5 year sampling event, monitoring period ends December 31), and the next event occurring in the Spring (monitoring period ends June 30), with the sampling period alternating between the Fall and Spring every 5 years thereafter.

COC shall be carried out in accordance with Parts II.A.3, and III of this program, and shall encompass only those COC listed in the Summary of Self-Monitoring and Report Program.

4. “Monitoring Points and Background Monitoring Points for Each Monitoring Medium”: The discharger shall sample the following Monitoring Points and Background Monitoring Points in accordance with the sampling schedule given under Parts II.A.2. and I.A.3. (immediately foregoing), taking enough samples to qualify for the most appropriate test under Part III.

Groundwater:

- a. Background Monitoring Point: PD-3
- b. Monitoring Points (Points of Compliance): PD-1, PD-4

Soil Pore Gas:

- a. Monitoring Points: Probes PDG-1, PDG-2, and PDG-3

5. Initial Background Determination: For the purpose of establishing an initial pool of background data for each COC at each Background Monitoring Point in each monitored medium (Section 25415(e)(6) of Title 27.

- a. Whenever a new COC is added to the Water Quality Protection Standard, including any added by the adoption of this Board Order, the discharger shall collect at least one (1) sample quarterly for at least one (1) year from each Background Monitoring Point in each monitored medium and analyze for the newly-added constituent(s); and

- b. Whenever a new Background Monitoring Point is added, including any added by this Board Order, the discharger shall sample it at least quarterly for at least one (1) year, analyzing for all COC and Monitoring Parameters.

6. Five (5)-year Determination of Ground Water Flow Rate/Direction (Section 20415 of Title 27 (Section 2550.7(e)(6) of Chapter 15)): The discharger shall measure the water level in each well and determine ground water flow rate and direction in each ground water body described in Part II.A.4 every five (5) years. This information shall be included in the five (5)-year monitoring reports required by Part II.A.2.

**PART III: STATISTICAL AND NON-STATISTICAL ANALYSES OF SAMPLE DATA
DURING A DETECTION MONITORING PROGRAM**

A. The discharger shall use the following methods to compare the downgradient concentration of each monitored constituent or parameter with its respective background concentration of each monitored constituent or parameter with its respective background concentration to determine if there has been a release from the Unit. For any given data set, proceed sequentially down the list of statistical analysis methods listed in Part III.A.1., followed by the non-statistical method in Part III.A.2., using the first method for which the data qualifies. If that analysis tentatively indicates the detection of a release, implement the retest procedure under Part III.A.3.

1. Statistical Methods: The discharger shall use one (1) of the following statistical methods to analyze COC or Monitoring Parameters which exhibit concentrations exceeding their respective MDL in at least 10 percent of the background samples taken during that Reporting Period. Each of these statistical methods is more fully described in the Statistical Methods Discussion, which is attached to this Program and is hereby incorporated by reference. Except for pH, which uses a two (2)-tailed approach, the statistical analysis for all constituents and parameters shall be one (1)-tailed (testing only for statistically significant increase relative to background):

a. One (1)-Way Parametric analysis of Variance ANOVA followed by multiple comparisons (Section 20415(e)(8)(A) of Title 27). This method requires at least four (4) independent samples from each Monitoring Point and Background Monitoring Point during each sampling episode. It shall be used when the background data for the parameter is below PQL. Prior to analysis, replace all 'trace' determinations with a value halfway between the PQL and the MDL values reported for that sample run, and replace all "non-detect" determinations with a value equal to half the MDL value reported for that sample run. The ANOVA shall be carried out at the 95% confidence level. Following the ANOVA, the data from each downgradient Monitoring Point shall be tested at a 99% confidence level against the pooled background data. If these multiple comparisons cause the Null Hypothesis (i.e., that there is no release) to be rejected at any Monitoring Point, the discharger shall conclude that a release is tentatively indicated from that parameter or constituent;

b. One (1)-Way Non-Parametric ANOVA (Kruskal-Wallis Test), followed by multiple comparisons. This method requires at least nine (9) independent samples from each Monitoring Point and Background Monitoring Point, therefore, the discharger shall anticipate the need for taking more than four (4) samples per Monitoring Point, based upon past monitoring results. This method shall be used when the pooled background data for the parameter or constituent, obtained within a given sampling period, has not more than 50%

of the data below the PQL. The ANOVA shall be carried out 95% confidence level. Following the ANOVA, the data from each downgradient Monitoring Point shall be tested at 99% confidence level against the pooled background data. If these multiple comparisons cause the Null Hypothesis (i.e., that there is no release) to be rejected at any Monitoring Point, the discharger shall conclude that a release is tentatively indicated for that parameter or constituent; or

- c. Method of Proportions. This method shall be used if the “combined data set”, the data from a given Monitoring Point in combination with the data from the Background Monitoring Points, has between 50% and 90% of the data below the MDL for the constituent or parameter in question. This method (1) requires at least nine (9) downgradient data points per Monitoring Point per Reporting Period, (2) requires at least 30 data points in the combined data set, and (3) requires that $N \cdot P > 5$ (where N is the number of data points in the combined data set and P is the proportion of the combined set that exceeds the MDL); therefore, the discharger shall anticipate the number of samples required, based upon past monitoring results. The test shall be carried out at the 99% confidence level. If the analysis results in rejection of the Null Hypothesis (i.e., that there is no release), the discharger shall conclude that a release is tentatively indicated for that constituent or parameter; or
 - d. Other Statistical Methods. These include methods pursuant to Section 20415(e)(8)(c-e) of Title 27.
2. Non-Statistical Method. The discharger shall use the following non-statistical method for the VOC_{water} and VOC_{spg} Composite Monitoring Parameters and for all COC which are not amenable to the statistical tests under Part III.A.1.; each of these groupings of constituents utilizes a separate variant of the test, as listed below. Regardless of the variant used, the method involves a two (2)-step process: (1) from all constituents to which the variant applies, compile a list of those constituents which exceed their respective MDL in the downgradient sample, yet do so in less than 10 percent of the applicable background samples; and (2) (where several independent samples have been analyzed for that constituent at a given Monitoring Point) from the sample which contains the largest number of constituents. Background shall be represented by the data from all samples taken from the appropriate Background Monitoring Points during that Reporting Period (at least one (1) sample from each Background Monitoring Point). The method shall be implemented as follows:
 - a. For the Volatile Organics Composite Monitoring Parameter for Water Samples (VOC_{water}): For any given Monitoring Point, the VOC_{water} Monitoring Parameter is a composite parameter addressing all VOCs detectable using USEPA Method (NOTE: See Discussion and insert most appropriate method), including at least all 47 VOCs listed in Appendix I to 40 CFR 258, and all unidentified peaks. Compile a list of each VOC which (1) exceeds its MDL in

- the Monitoring Point sample (an unidentified peak is compared to its presumed (MDL), and also (2) exceeds its MDL in less than 10 percent of the samples taken during that Reporting Period from that medium's Background Monitoring Points. The discharger shall conclude that a release is tentatively indicated for the VOC_{water} Composite Monitoring Parameter if the list either (1) contains two (2) or more constituents, or (2) contains one (1) constituent that exceeds its PQL;
- c. For the Volatile Organics Composite Monitoring Parameter for Soil-Pore Gas Samples (VOC_{spg}): The VOC_{spg} Monitoring Parameter is a composite parameter for soil-pore gas addressing at least all 47 VOCs listed in Appendix I to 40 CFR 258, based upon either GC or GC/MS analysis of at least 10 liter samples of soil-pore gas (e.g., collected in a vacuum canister). It involves the same scope of VOCs as does the VOC_{spg} Monitoring Parameter. Compile a list of each VOC which (1) exceeds its MDL in the Monitoring Point sample (as unidentified peak is compared to its presumed MDL), and also (2) exceeds its MDL in less than 10 percent of the samples taken during that Reporting Period from the (soil-pore-gas) Background Monitoring Points. The discharger shall conclude that a release is tentatively indicated for the VOC_{spg} Composite Monitoring Parameter if the list either (1) contains two (2) or more constituents, or (2) contains one (1) constituent that exceeds its PQL; or
- d. For Constituents of Concern: Compile a list of constituents that exceed their respective MDL at the Monitoring Point yet do so in less than 10 percent of the background samples taken during that Reporting Period. The discharger shall conclude that a release is tentatively indicated if the list either (1) contains two (2) or more constituents, or (2) contains one (1) constituent which exceeds its PQL.
3. Discrete Retest (Section 20415(e)(8)(E) of Title 27. In the event that the discharger concludes that a release has been tentatively indicated (under Parts III.A.1. or III.A.2.), the discharger shall, within 30 days of this indication, collect two (2) new suites of samples for the indicated COC or Monitoring Parameter(s) at each indicating Monitoring Point, collecting at least as many samples per suite as were used for the initial test. Re-sampling of the Background Monitoring Points is optional. As soon as the data is available, the discharger shall rerun the statistical method (or non-statistical comparison) separately upon each suite of retest data. For any indicated Monitoring Parameter or COC at an affected Monitoring Point, if the test results of either (or both) of the retest data suites confirms the original indication, the discharger shall conclude that a release has been discovered. All retests shall be carried out only for the Monitoring Point(s) for which a release is tentatively indicated, and only for the COC or Monitoring Parameter which triggered the indication there, as follows:

- a. If an ANOVA method was used, the retest shall involve only a repeat of the multiple comparison procedure, carried out separately on each of the two (2) new suites of samples taken from the indicating Monitoring Point;
- b. If the Method of Proportions statistical test was used, the retest shall consist of a full repeat of the statistical test for the indicated constituent or parameter, using the new sample suites from the indicating Monitoring Point;
- c. If the non-statistical method was used:
 1. Because the VOC Composite Monitoring parameters (VOC_{water} or VOC_{spg}) each address, as a single parameter, an entire family of constituents which are likely to be present in any landfill release, the scope of the laboratory analysis for each retest sample shall include all VOCs detectable in that retest sample. Therefore, a confirming retest for either parameter shall have validated the original indication even if the suite of constituents in the confirming retest sample(s) differs from that in the sample which initiated the retest;
 2. Because all COC that are jointly addressed in the non-statistical testing under Part III.A.2.c. remain as individual COC, the scope of the laboratory analysis for the non-statistical retest samples shall be narrowed to involve only those constituents detected in the sample which initiated the retest.

B. RESPONSES TO VOC DETECTION IN BACKGROUND

1. Except as indicated in Part III.B.2., any time the laboratory analysis of a sample from a Background Monitoring Point, sampled for VOCs under Part III.A., shows either (1) two (2) or more VOCs above their respective MDL, or (2) one (1) VOC above its respective PQL, then the discharger shall immediately notify the Regional Board by phone that possible background contamination has occurred, shall follow up with written notification by certified mail within seven (7) days,, and shall obtain two (2) new independent VOC samples from that Background Monitoring Point and send them for laboratory analysis of all detectable VOCs within 30 days. If either or both the new samples validates the presence of VOC(s) at that Background Monitoring Point, using the above procedure, the discharger shall:
 - a. Immediately notify the Regional Board about the VOC(s) verified to be present at that Background Monitoring Point, and follow up with written notification submitted by certified mail within seven (7) days of validation; and
 - b. Within 180 days of validation, submit a report, acceptable to the Regional Board's Executive Officer, which examines the possibility that the detected VOC(s) originated from the Unit and proposing appropriate changes to the Monitoring Program.

2. If the Regional Board's Executive Officer determines, after reviewing the report submitted under Part III.B.1.b., that the detected VOC(s) most likely originated from the Unit, the discharger shall assume that a release has been detected and shall immediately begin carrying out the requirements of Part I.E.2.d.

SUMMARY OF SELF-MONITORING AND REPORTING PROGRAMS

The ground water monitoring wells shall be sampled every five (5) years. The first five (5)-year cycle monitoring ends December 31 and the next five (5)-year cycle ends June 30. The samples shall be analyzed for:

<u>Parameters</u>	<u>Units</u>	<u>Type</u>
<u>Constituents</u>	<u>Units</u>	<u>of Sample</u>
pH	Number	Grab
TDS	mg/l	Grab
Specific Conductance	micromhos/cm	Grab
Temperature	°C	Grab
COD	mg/L	Grab
Ground water Elevation	Feet (USGS Datum)	Measurement
Calcium	mg/L	Grab
Magnesium	mg/L	Grab
Sulfate	mg/L	Grab
Sodium	mg/L	Grab
Nitrate	mg/L	Grab
Kjeldahl Nitrogen	mg/L	Grab
Chloride	mg/L	Grab
Cyanide	mg/L	Grab
Sulfide	mg/L	Grab
Volatile Organics (U.S. EPA Method 8260)	µg/L	Grab
Semi-Volatile Organics 40 CFR Appendix II	µg/L	Grab
Herbicides	µg/L	Grab
Pesticides	µg/L	Grab

The soil pore gas monitoring wells shall be sampled every five (5) years. The first five (5)-year cycle monitoring ends December 31 and the next five (5)-year cycle ends June 30. The discharger shall utilize a field screening methodology where major gases are measured with a field instrument. If methane is measured at a concentration that

exceeds 5 percent (5%) by volume, a sample will be collected and submitted for VOC analysis using method TO-14. The field samples shall be analyzed for:

<u>Parameters</u> <u>Constituents</u>	<u>Units</u>	<u>Type</u> <u>of Sample</u>
Methane	% by volume	Grab
Carbon Dioxide	% by volume	Grab
Nitrogen	% by volume	Grab
Oxygen	% by volume	Grab

The collection, preservation and holding times of all samples shall be in accordance with United States Environmental Protection Agency (USEPA) approved procedures. Unless otherwise approved by the Regional Board’s Executive Officer, all analyses shall be conducted by a laboratory certified by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of “Guidelines Establishing Test Procedures for Analysis of Pollutants” (40 CFR 136), promulgated by the USEPA.

During the post-closure maintenance period, the discharger shall report annually to the Regional Board the following:

1. The physical status of all drainage features including surrounding embankments, roadway, and drainage channels.
2. The physical integrity of the final cover and all graded surfaces within the WMF which includes cracks, irritability, and settlement.
3. A survey of the horizontal and vertical locations of the installed monuments and a calculation of annual settlement of the WMF.
4. Physical inspection records of all monitoring wells.

REPORTING

1. The discharger shall arrange the data in tabular form so that the specific information is readily discernible. The data shall be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with waste discharge requirements.
2. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurement(s);
 - b. The individual(s) who performed the sampling or measurement(s);
 - c. The date(s) analyses were performed;
 - d. The individual(s) who performed the analyses;
 - e. The analytical techniques or method used; and
 - f. The results of such analyses.
3. Each report shall contain the following statement:

“I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, 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 a fine and imprisonment for knowing violations.”
4. A duly authorized representative of the discharger may sign the documents if:
 - a. The authorization is made in writing by the person described above;
 - b. The authorization specified an individual or person having responsibility for the overall operation of the regulated disposal system; and
 - c. The written authorization is submitted to the Regional Board’s Executive Officer.
5. **Report immediately any failure in the waste disposal system to the Regional Board’s Executive Officer and the Director of the County Environmental Health Department by telephone with a follow-up letter.**
6. Monitoring reports shall be certified under penalty of perjury to be true and correct, and shall contain the required information at the frequency designated in this monitoring report.
7. Monitoring reports shall be submitted to the Regional Board by February 15 of the sixth year following the fifth year sampling event.

8. COC Scans shall be submitted to the Regional Board by February 15 of the sixth year following the fifth year sampling event.
9. Annual reports shall be submitted to the Regional Board by February 15 of the following year.

Submit monitoring reports to:

California Regional Water Quality Control Board
Colorado River Basin Region
73-720 Fed Waring Drive, Suite 100
Palm Desert, CA 92260

Ordered by: _____ Original Signed by
Philip A. Gruenberg
Executive Officer

Signed on May 7, 2003
Date