

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

ORDER NO. 01-143

WASTE DISCHARGE REQUIREMENTS
FOR
RIVERSIDE COUNTY WASTE MANAGEMENT DEPARTMENT, OWNER/OPERATOR
OASIS SANITARY LANDFILL
CLASS III LANDFILL
South of Oasis - Riverside County

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

1. Riverside County Waste Management Department (hereinafter referred to as the discharger) 1995 Market Street, Riverside, CA 92501-1719, owns and operates the Oasis Sanitary Landfill (hereinafter referred to as the Landfill).
2. Definitions of terms used in this Board Order:
 - a. Waste Management Facility (WMF) - The entire parcel of property at which waste discharge operations are conducted.
 - b. Waste Management Unit (WMU) - An area of land, or a portion of the Waste Management Facility, at which waste is discharged. The term includes containment features and ancillary features for precipitation and drainage control and monitoring.
 - c. Landfill - A Waste Management Unit at which waste is discharged in or on land for disposal. It does not include surface impoundments, waste piles, or land treatment of soil amendments.
 - d. Discharger - Discharger means any person who discharges waste that could affect the quality of the waters of the State, and includes any person who owns a Waste Management Unit or who is responsible for the operation of a Waste Management Unit.
3. The Landfill is located at 84-505 84th Avenue, Oasis, CA 92274, as shown on Attachment B; on a 166.6-acre parcel. It is located in the NE $\frac{1}{4}$ of Section 31 T8S, R9E, SBB&M as shown on Attachment C.
4. The WMF is located within the Salton Trough Physiographic Province, which extends from the upper Coachella Valley to the Gulf of California. Surficial geology of the WMF is characterized by coarse-grained alluvial fan and stream wash deposits as shown on Attachment D.
5. No active or potentially active faults are known or have been mapped on or adjacent to the site. The nearest active fault zones to the site are the San Andreas Fault Zone (approximately 10 miles northeast of the site) and the San Jacinto Fault Zone (approximately 14 miles to the southwest). The site is not within a Fault Hazard Zone as identified on the Seismic/Geologic Map in the Riverside County Comprehensive General Plan (RCCGP). The site is not located within a Liquefaction Hazard Zone as indicated on the Seismic/Geologic Map in the RCCGP. Landslides have not been mapped or known to exist on the site.

6. The Landfill started accepting waste in 1972. In 1983, the Landfill became subject to Waste Discharge Requirements under Board Order No. 83-093. The Waste Discharge Requirements were updated and superceded by Board Order No. 88-138.
7. On September 15, 1993, the WDRs were amended when Board Order No. 93-071, amending all Municipal Solid Waste Landfill Board Orders to comply with Federal Regulations was adopted by the Regional Board.
8. On September 25, 1998, the discharger submitted a Joint Technical Document (JTD). The JTD contained information to update the WDRs. Board Order No. 88-138 was rescinded and updated with Board Order No. 00-052 on May 10, 2000.
9. Board Order 00-052 complies with laws and regulations as set forth in the California Water Code and combined State Water Resources Control Board/California Integrated Waste Management Board Regulations, Division 2, Title 27 (hereinafter referred to as Title 27).
10. On May 3, 2001, the discharger submitted a request to modify the monitoring parameters and monitoring frequencies in the Board Order No. 00-052.
11. Presently, the Landfill is permitted to accept 400 tons/year of Class III Municipal Solid Waste consisting of:
 - a. Agricultural
 - b. Construction/demolition
 - c. Mixed municipal
 - d. Industrial
 - e. Dead animals
 - f. Tires
12. The discharger submitted a Final Solid Waste Assessment Test (SWAT) report in November 1990. During the SWAT investigation, the discharger installed three (3) ground water monitoring wells. Monitoring well OMW-2 was constructed upgradient, and OMW-1 and OMW-3 were constructed downgradient of the Landfill as shown on Attachment E.
13. The SWAT report indicated no release of pollutants from the Landfill to the ground water.
14. The ground water flow beneath the Landfill is toward the northeast at approximately 2.2 percent gradient.
15. The discharger reports that the depth to ground water is between 55 to 70 feet below ground surface.
16. The discharger submitted Preliminary Closure and Post Closure Maintenance Plans (PCPCMP) on November 21, 1995. The PCPCMP was approved by the Regional Board on September 21, 1996.
17. The Landfill is open two (2) days a year.
18. The Landfill is scheduled to close in the year 2186.
19. The discharger reports that the WMF is designed to route surface drainage away from the Landfill areas through a system of drainage levees/berms. The off-site drainage from the

tributary area is redirected around the site through peripheral levees/berms. On-site runoff is controlled by lateral sheet flow and berms and directed to the north and east.

20. In 1988, the discharger installed four (4) gas-monitoring probes around the Landfill boundary. The gas monitoring probes were installed to monitor any gas release from the Landfill.
21. In 1998, the discharger installed two (2) additional ground water monitoring wells OMW-2a and OMW-3a to replace OMW-2 and OMW-3. Ground water monitoring wells OMW-2 and OMW-3 were properly abandoned.
22. The total design capacity of the Landfill including refuse and daily cover is 1,484,000 (per permit application) cubic yards (yd³). As of December 31, 1999, the net remaining disposal capacity of the Landfill is approximately 150,844 yd³ of refuse.
23. The Landfill is not lined and does not have a leachate collection and removal system.
24. For hazardous materials, random load checking is performed. Hazardous materials found are transported to the Central Accumulation Storage Facility for temporary storage. Hazardous waste stored will be transported to an appropriate site within 90 days.
25. The area fill method is used for waste disposal at the Landfill. Waste is compacted at the end of the working day.
26. The annual average precipitation and evaporation rates in the area are 3.25 inches and 105 inches, respectively.
27. The 100-year, 24-hour storm event for the Landfill can generate up to 3.3 inches of precipitation.
28. The site is not within the 100-year flood plain.
29. The Landfill is located in the Coachella Hydrologic Unit.
30. The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan) was adopted on November 17, 1993, and designates the beneficial uses of ground and surface waters in this Region.
31. The beneficial uses of ground waters in the Coachella Hydrologic Unit are:
 - a. Municipal supply (MUN)
 - b. Industrial supply (IND)
 - c. Agricultural (AGR)
32. Federal regulations for storm water discharges were promulgated by the U.S. Environmental Protection Agency on November 16, 1990 (40 CFR Parts 122, 123, and 124). The regulations require that specific categories of facilities which discharge storm water associated with industrial activity, obtain an NPDES Permit and implement Best Conventional Pollutant Technology (BCPT) to reduce or eliminate industrial storm water pollution.
33. State Water Resources Control Board adopted Order No. 97-03 DWQ (General Permit No. CAS 000001), specifying Waste Discharge Requirements for discharges of storm water associated

with industrial activities, excluding construction activities, and requiring submittal of a Notice of Intent by Industries to be covered under the Permit.

34. The Regional Board finds that the 23.3 acre Landfill project is in compliance with the provisions of Title 27, as well as 40 CFR Parts 257 and 258, the Federal RCRA Subtitle "D" (Subtitle D) regulations promulgated by the U.S. Environmental Protection Agency (U.S.EPA) on October 9, 1991, effective October 9, 1993.
35. In accordance with Section 15301, Chapter 3, Division 6, 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.).
36. The discharger has submitted to this Regional Board and to the California Integrated Waste Management Board, evidence of Financial Assurance for Closure and Post Closure, pursuant to Section 22207 and 22212 of Title 27.
37. 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 an opportunity to submit comments.
38. The Board, in a public meeting, heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, that Board Order No. 00-052 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 treatment or disposal of wastes at this facility shall not cause pollution or nuisance as defined in Section 13050 of Division 7 of the California Water Code.
2. Waste materials shall be confined to the existing footprint of the Waste Management Facility as depicted in the attached site maps.
3. Waste material shall not be discharged on any ground surface that is less than five (5) feet above the highest anticipated ground water level.
4. The discharge shall not cause degradation of any water supply.
5. Surface drainage from tributary areas, and internal site drainage from surface or subsurface sources, shall not contact or percolate through the wastes discharged at this site.
6. The exterior surfaces of the disposal area, including the intermediate and final landfill covers, shall be graded and maintained to promote lateral runoff of precipitation and to prevent ponding.
7. The discharger shall use the constituents listed in Monitoring and Reporting Program No. 01-143 and revisions thereto, as "Monitoring Parameters". These Monitoring Parameters are subject to the most appropriate statistical or non-statistical tests under Monitoring and Reporting Program No. 01-143, Part III, 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. 01-143 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 Board Order pursuant to Title 27, Section 20390. 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. 01-143 and revisions thereto, which is hereby incorporated by reference):
 - a. The discharger shall test for the Monitoring Parameters and the Constituents of Concern listed in Monitoring and Reporting Program No. 01-143, and revisions thereto.
 - b. Concentration Limit - The Concentration Limits for each Monitoring Parameter and Constituents of Concern 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.B of the attached Monitoring and Reporting Program No. 01-143, and any revised Monitoring and Reporting Program approved by the Regional Board's Executive Officer. Monitoring and Background Monitoring Points are also shown on Attachment E.
 - d. The Points of Compliance are shown on Attachment E and extend through the zone of saturation.
 - 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 Dischargers to begin an Evaluation 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 in violation of these requirements.
11. Water used for site maintenance shall be limited to amounts necessary for dust control.
12. The discharger shall maintain a hazardous waste load-checking program at the Landfill. The Discharger shall report the result of the load-checking program in accordance with Monitoring and Reporting Program No. 01-143 and revisions thereto.
13. The Landfill shall be designed to prevent any washout or erosion of wastes or covering material, and from any inundation which could occur as a result of floods having a predicted frequency of once in 100 years.
14. The discharge shall not cause the release of pollutants, or waste constituents in a manner which could cause a condition of contamination, or pollution to occur, as directed 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. 01-143 and revisions thereto.

B. Prohibitions

1. The discharge or deposit of hazardous waste as defined in Title 27 at this site is prohibited.
2. The discharge or deposit of designated waste as defined in Title 27 at this site is prohibited unless approved by the Regional Board's Executive Officer.
3. The co-disposal of incompatible wastes as defined in Title 27 is prohibited.
4. The discharge of waste to land not owned or controlled by the Discharger is prohibited.
5. The direct discharge of any waste to any surface waters or surface drainage courses is prohibited.
6. The discharge of liquid or semi-solid waste (i.e. waste containing less than 50 percent solids) to the Landfill is prohibited unless approved by the Regional Board's Executive Officer.

C. Provisions

1. The discharger shall comply with Monitoring and Reporting Program No. 01-143, 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 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 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.
4. This Board Order does not authorize violation of any federal, state, or local laws or regulations.
5. 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 or required under this Board Order; and
 - 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.
6. 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.

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 United States Environmental Protection Agency.
8. All regulated disposal systems shall be readily accessible for sampling and inspection.
9. The discharger is the responsible party for the Waste Discharge Requirements and the Monitoring and Reporting Program for the facility. The Discharger shall comply with all conditions of these Waste Discharge Requirements. Violations may result in enforcement actions, including Regional Board Orders or court orders, requiring corrective action or imposing civil monetary liability, or in modification or revocation of these Waste Discharge Requirements by the Regional Board.
10. The discharge 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.
11. The discharger shall not cause the concentration of any Constituent of Concern or Monitoring Parameters to exceed its respective background value in any monitored medium at any Monitoring Point assigned to Detection Monitoring pursuant to Parts II B.4 of the attached Monitoring and Reporting Program No. 01-143 and revisions thereto.
12. 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.
13. The discharger shall within 48 hours of a significant earthquake event, submit to the Regional Board a detailed post-earthquake report describing any physical damages to the containment features, ground water monitoring and/or leachate control facilities and a corrective action plan to be implemented at the landfill.
14. 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.
15. The discharger shall maintain legible records on the volume and type of each waste discharged at the site. These records shall be available for review by representatives of the Regional Board at any time during normal business hours. At the beginning of the post-closure maintenance period, copies of these records shall be sent to the Regional Board.
16. The discharger shall maintain visible monuments identifying the boundary limits of the entire Waste Management Facility.
17. The discharger shall submit a Notice of Intent (NOI) to the State Water Resources Control Board to be covered under the Statewide General NPDES Permit for Storm Water Discharges Associated with Industrial Activities, Order No. 97-03-DWQ, NPDES No. CAS000001. The discharger shall comply with all the discharge prohibitions, receiving water limitations, and provisions of the General Permit.

18. The discharger shall submit a sampling and monitoring plan for storm water discharges to the Regional Board's Executive Officer for review and approval no later than 90 days after the adoption of this Board Order. The plan shall meet the minimum requirements of Section B, Monitoring Program and Reporting Requirements of the Statewide General NPDES Permit for Storm Water Discharges Associated with Industrial Activities, Order No. 97-03 DWQ, NPDES No. CAS000001.
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 releases from the Landfill.
20. The Preliminary and Final Closure and Post Closure Maintenance Plan (PCPCMP) shall satisfy all requirements of Title 27 as specified by the Regional Board's Executive Officer. The post-closure period shall be at least thirty (30) years. However, the post-closure maintenance period shall extend as long as the waste poses a threat to water Quality.
21. One (1) year prior to the anticipated closure of the facility or any unit (portion thereof, the discharger shall submit to the Regional Board, for review and approval by the Regional Board's Executive Officer, a Final Closure and Post Closure Maintenance Plan in accordance with Section 21769 of Title 27. The Final Closure and Post Closure Maintenance Plan shall include seismicity studies.
22. This Board Order is subject to Regional Board review and updating, as necessary, to comply with changing state or federal laws, regulations, policies, or changes in the discharge 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 November 14, 2001.

Executive Officer