

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

ORDER R7-2013-0052

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

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

1. Riverside County Waste Management Department (hereinafter referred to as the discharger) with offices located at 14310 Frederick Street, Moreno Valley, CA 92553, owns and operates the Oasis Sanitary Landfill (hereinafter referred to as the Facility).
2. Definitions of terms used in this 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 - 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 the waste management unit (Title 27, California Code of Regulations).
3. The Facility is located on a 160.95-acre parcel at the southwest corner of Lincoln Street and 84th Avenue, in the Oasis area of unincorporated Riverside County, California, west of the Salton Sea. The legal description of the site is the northeast quarter of Section 31, Township 8 South, Range 9 East, San Bernardino Baseline and Meridian. The Facility's address is 84-505 84th Avenue, Oasis, CA 92274. The location of the Facility is shown on Attachment A, appended hereto and made a part of this Order by reference.
4. According to the permit application, the total design capacity of the landfill including refuse and daily cover is 1,097,157 cubic yards (yd³).

5. Of the Facility's 160.95-acre parcel, approximately 23.3 acres have been filled with waste since the site opened in 1972 and these 23.3 acres constitute the current WMU.
6. The southern one-half of the property has been leased for agricultural purposes in the past, and the northwest portion of the site is vacant. The Riverside County Waste Management Department has operated the Facility since 1972, accepting residential and agricultural non-hazardous wastes.
7. In 1983, the Facility became subject to Waste Discharge Requirements (WDRs) under Board Order 83-093. The WDRs were updated and superseded by Board Order 88-138.
8. 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.
9. 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 B, appended hereto and made a part of this Order by reference.
10. On September 15, 1993, the WDRs were amended when Board Order 93-071, amending all Municipal Solid Waste Landfill Board Orders to comply with Federal Regulations, was adopted by the Regional Water Board.
11. The discharger submitted Preliminary Closure and Post-Closure Maintenance Plans (PCPCMP) on November 21, 1995. The PCPCMP was approved by the Regional Water Board on September 21, 1996. On January 10, 2013, the discharger submitted an updated PCPCMP under Joint Technical Document (JTD) 5 for this site.
12. 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.
13. In 1998, the original four (4) gas monitoring probes were replaced with seven (7) multi-level gas monitoring probes around the landfill boundary.
14. On September 25, 1998, the discharger submitted a Joint Technical Document (JTD). The JTD contained information required to update the WDRs. Board Order 88-138 was rescinded and updated with Board Order 00-052 on May 10, 2000.
15. Order 00-052 complied 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).

16. On November 14, 2001, the Regional Water Board rescinded Order 00-052 and adopted the Facility's current Order R7-2001-0143. This Order, R7-2013-0052, updates Order R7-2001-0143 as a part of the Regional Water Board's policy of periodically updating Orders to incorporate current regulations.
17. On May 23, 2002, the Discharger submitted a JTD. The JTD contained information to establish an Evaluation Monitoring Program. As part of the Evaluation Monitoring Program, the Discharger constructed background groundwater monitoring well, OMW-4, on October 28, 2002.
18. On January 10, 2013, the Discharger submitted JTD 4 – Report of Disposal Site Information (RDSI), and JTD - Preliminary Closure and Post-Closure Maintenance Plans (PCPCMP).
19. The Riverside County Board of Supervisors approved the increase of operation days for the Facility. Beginning July 7, 2007, the site is open two days per week, Wednesday and Saturday, to small-load vehicle, where the combined net weight of the load (pickup and/or trailer) is one ton or less. Larger trucks, commercial trucks and self-haul residents are diverted to the Coachella Valley or Edom Hill Transfer Station. No hazardous wastes or designated wastes are received at the site.
20. 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.
21. The Discharger reports that 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.
22. Presently, the Landfill is permitted to accept Class III Municipal Solid Waste consisting of:
 - a. Agricultural
 - b. Construction/demolition
 - c. Mixed municipal
 - d. Industrial
 - e. Dead animals

f. Tires

23. The SWAT report indicated no release of pollutants from the landfill to the ground water.
24. The ground water flow beneath the landfill is toward the northeast at approximately 2.2 percent gradient.
25. The Discharger reports that the depth to ground water is between 55 to 70 feet below ground surface.
26. 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.
27. The landfill is not lined and does not have a leachate collection and removal system.
28. For hazardous materials, random load checking is performed. Hazardous materials found are transported off-site for temporary storage at the Central Accumulation Storage Facility located at the Lamb Canyon Landfill. Hazardous waste stored will be transported to an appropriate site within 90 days.
29. The area fill method is used for waste disposal at the landfill. Waste is compacted at the end of the working day.
30. The annual average precipitation and evaporation rates in the area are 3.25 inches and 105 inches, respectively.
31. The 100-year, 24-hour storm event for the Landfill can generate up to 3.3 inches of precipitation.
32. The site is not within the 100-year flood plain.
33. The landfill is located in the Coachella Hydrologic Unit.
34. The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan), which was adopted on November 17, 1993, and amended on November 16, 2012, designates the beneficial uses of ground water and surface waters in this Region.
35. The beneficial uses of ground waters in the Coachella Hydrologic Unit are:
 - a. Municipal supply (MUN)
 - b. Industrial supply (IND)
 - c. Agricultural (AGR)

36. 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 Control Technology (BCT) to reduce or eliminate industrial storm water pollution.
37. State Water Resources Control Board adopted Order 97-03 DWQ (General Permit CAS 000001), specifying WDRs for discharges of storm water associated with industrial activities, excluding construction activities, and requiring submittal of a Notice of Intent (NOI) by industries to be covered under the Permit (General Industrial Permit).
38. The Regional Water 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.
39. In accordance with Section 15301 of Title 14 of the California Code of Regulations, the issuance of these WDRs, 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.)
40. The discharger has submitted to the Regional Water Board and to the California Department of Resource Recovery and Recycling (CalRecycle) evidence of Financial Assurance for Closure and Post-Closure, pursuant to Sections 22207 and 22212 of Title 27.
41. The monitoring and reporting requirements in Monitoring and Reporting Program R7-2013-0052, and revisions thereto, incorporated herein and made part of this Order by reference, are necessary to determine compliance with these WDRs and to determine the facility's impacts, if any, on receiving waters.
42. It is the policy of the State of California that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes. This Order promotes that policy by requiring discharges to meet maximum contaminant levels designed to protect human health and ensure that water is safe for domestic use.
43. The Regional Water Board has notified the discharger and all known interested agencies and persons of its intent to issue these WDRs and has provided them with an opportunity for a public meeting and an opportunity to submit comments.
44. The Board in a public meeting heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, that Order 01-143 be rescinded except for enforcement purposes, and in order to meet the provisions contained in Division 7 of the California Water Code, Title 27, RCRA Subtitle D and regulations adopted thereunder, and the provisions of the Federal Clean Water Act and regulations and guidelines adopted thereunder, the discharger shall comply with the following requirements regarding the discharge of waste to the existing WMU.

A. Specifications

1. The treatment or disposal of wastes at this facility shall not cause pollution or nuisance as defined in Sections 13050(l) and 13050(m) of Division 7 of the California Water Code, respectively.
2. Waste materials shall be confined to the existing footprint of the WMF 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 R7-2013-0052 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 R7-2013-0052, Part III, and any revised Monitoring and Reporting Program approved by the Regional Water Board's Executive Officer.
8. The Discharger shall implement the attached Monitoring and Reporting Program R7-2013-0052 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 Water 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 R7-2013-0052 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 R7-2013-0052, 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 determined through statistical analysis of historic data, or the laboratory practical quantitation limit for infrequently detected parameters.
 - 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 R7-2013-0052, and any revised Monitoring and Reporting Program approved by the Regional Water Board's Executive Officer. Monitoring and Background Monitoring Points are also shown on Attachment B.
 - d. The Points of Compliance are shown on Attachment B 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 Water Board directs the Discharger to begin an Evaluation Monitoring Program. 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 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 R7-2013-0052 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 R7-2013-0052 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 Water 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 Water Board's Executive Officer.

C. Provisions

1. The discharger shall comply with Monitoring and Reporting Program R7-2013-0052, and revisions thereto, as specified by the Regional Water 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 Water Board.
3. The Discharger shall ensure that all site-operating personnel are familiar with the content of this Order, and shall maintain a copy of this Order at the site.
4. This Order does not authorize violation of any federal, state, or local laws or regulations.
5. The Discharger shall allow the Regional Water 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 Order, or the place where records must be kept under the conditions of this Order;
 - b. Have access to and copy, at reasonable times, any records that shall 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 purpose of assuring compliance with this Order or as otherwise authorized by the California Water Code, any substances or parameters at this location.
6. This 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 Water Board's Executive Officer, all analyses shall be conducted at a laboratory certified for such analyses by California Department of Public Health. 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 WDRs and the Monitoring and Reporting Program for the facility. The Discharger shall comply with all conditions of these WDRs. Violations may result in enforcement actions, including Regional Water Board Orders or court orders, requiring corrective action or imposing civil monetary liability, or in modification or revocation of these WDRs by the Regional Water 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 R7-2013-0052 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 Water 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 Water 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 Water 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 Water Board.
16. The Discharger shall maintain visible monuments identifying the boundary limits of the entire WMF.
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 97-03-DWQ, NPDES CAS000001 (General Industrial Permit). The discharger shall comply with all the discharge prohibitions, receiving water limitations, and provisions of the General Industrial Permit.
18. The Discharger shall submit a sampling and monitoring plan for storm water discharges to the Regional Water 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 97-03 DWQ, NPDES No. CAS000001.
19. Within 180 days of the adoption of this Board Order, the Discharger shall submit to the Regional Water Board in accordance with Section 20380(b) of Title 27, assurance of financial responsibility acceptable to the Regional Water Board's Executive Officer for initiating and completing corrective action for all known or reasonable foreseeable releases from the Landfill.
20. Two years prior to the anticipated closure of the Facility, or any portions thereof, the Discharger shall submit to the Regional Water Board, for review and approval by the Regional Water Board's Executive Officer, a closure and post-closure maintenance plan in accordance with Section 21769 of Title 27. 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. The closure plan shall include:
 - a. Facility location map;

- b. Topographic maps;
- c. Maximum extent of closures;
- d. Current monitoring and control systems;
- e. Land uses;
- f. Estimated closure date and schedule;
- g. General closure description;
- h. Other special requirements;
- i. Revised closure cost estimates (if appropriate); and
- j. Any other applicable requirements as specified in Title 27.
- k. Seismicity studies

22. The post-closure maintenance plan shall include:

- a. Security and fencing;
- b. Survey monuments;
- c. Final Cover;
- d. Storm water management system;
- e. Active gas extraction system, if necessary;
- f. Vadose zone soil-pore gas monitoring system, if necessary; and
- g. Groundwater quality monitoring system.

23. The Discharger shall continue to annually review and revise as necessary the existing, approved detailed post-earthquake inspection and corrective action plan to be implemented in the event of any earthquake generating significant ground shaking (i.e., Modified Mercalli Intensity V or greater) at or near the Facility. The Plan shall continue to describe the containment features, groundwater monitoring, leachate control facilities, storm water management system, and gas monitoring facilities, potentially impacted by the static and seismic deformations of the WMU. The plan shall continue to provide for reporting results of the post-earthquake inspection to the Regional Water Board within 15 working days of the occurrence of the earthquake. Immediately after an earthquake event causing damage to the Facility, the corrective action plan shall be implemented, and this Board shall be notified of any damage.

24. This Board Order is subject to Regional Water Board review and updating, as necessary, to comply with changing state or federal laws, regulations, policies, or changes in the discharge characteristics.

I, Robert Perdue, 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 June 20, 2013.



ROBERT PERDUE
Executive Officer