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## Los Angeles Regional Water Quality Control Board

February 7, 2020

Mr. Dan Zeller, CA/AZ Landfill Manager  
Vulcan Materials Company  
Durbin Inert Debris Landfill  
13000 E. Los Angeles Street  
Irwindale, CA 91706  
[zellerd@vmcmail.com](mailto:zellerd@vmcmail.com)

### TENTATIVE REVISED WASTE DISCHARGE REQUIREMENTS – DURBIN LANDFILL, IRWINDALE, CALIFORNIA (ORDER NO. R4-2006-0078, CI-9196, GEOTRACKER GLOBAL ID L10000002295)

Dear Mr. Zeller:

Section 13263 of the California Water Code provides for the periodic review and revision by the Los Angeles Regional Water Quality Control Board (Regional Water Board) of waste discharge requirements (WDRs) for an existing discharge. Regional Water Board Order No. R4-2006-0078 prescribed WDRs for the Durbin Landfill (Landfill) in Irwindale, California. Because the WDRs for the Landfill no longer accurately reflect current conditions, we intend to revise them. Pursuant to the California Water Code and information provided in the Report of Waste Discharge update submitted December 24, 2019, by the Discharger, tentative WDRs have been prepared.

Enclosed is a copy of the tentative WDRs consisting of:

1. Board Order No. R4-2020-0XXX specifying WDRs,
2. Monitoring and Reporting Program (CI-9196), and

In accordance with administrative procedures, this Regional Water Board will consider the enclosed WDRs and comments thereon, at a public hearing to be held at 9:00 AM on **April 9, 2020**, at the City of Agoura Hills Council Chambers, 30001 Ladyface Court, Agoura Hills, CA 91301. The Regional Water Board will hear any testimony pertinent to this discharge, the tentative requirements, and monitoring and reporting program. It is expected that the Regional Water Board will take action at the hearing; however, as testimony indicates, the Regional Water Board at its discretion may postpone action. See the enclosed Notice of Opportunity to Comment and Public Hearing.

Written comments regarding the tentative WDRs must be received at the Regional Water Board office by 5:00 PM on **March 9, 2020**. Comments received after this date will not be

accepted into the record unless determined by the Chair of the Regional Water Board not to prejudice any party or the Regional Water Board.

The agenda for the meeting will be posted on the Regional Water Board's website approximately one week prior to the meeting:

[http://www.waterboards.ca.gov/losangeles/board\\_info/agenda/index.shtml](http://www.waterboards.ca.gov/losangeles/board_info/agenda/index.shtml)

If you have any questions, please contact Mr. Douglas Cross (Project Manager) at (213) 620-2246 or [dcross@waterboards.ca.gov](mailto:dcross@waterboards.ca.gov), or myself, at (213) 620-2253 or [wyang@waterboards.ca.gov](mailto:wyang@waterboards.ca.gov).

Sincerely,



Wen Yang, Ph.D., C.E.G  
Senior Engineering Geologist  
Land Disposal Unit

Enclosures:

1. Notice of Opportunity to Comment and Public Hearing
2. Tentative WDRs (Order No. R4-2020-0XXX)
3. Tentative Monitoring and Reporting Program CI-9196

cc: Brianna St. Pierre, State Water Resource Control Board

[Brianna.St.Pierre@waterboards.ca.gov](mailto:Brianna.St.Pierre@waterboards.ca.gov)

Jeff Hackett, Cal Recycling [Jeff.Hackett@CalRecycle.ca.gov](mailto:Jeff.Hackett@CalRecycle.ca.gov)

William Tam, City of Irwindale [wtam@irwindaleca.gov](mailto:wtam@irwindaleca.gov)

Tony Zampello, Main San Gabriel Basin Watermaster [tonyz@watermaster.org](mailto:tonyz@watermaster.org)

Monica Galimberti, County of Los Angeles, Solid Waste Management Program  
[mgalimberti@ph.lacounty.gov](mailto:mgalimberti@ph.lacounty.gov)



## Los Angeles Regional Water Quality Control Board

To: Interested Persons

From: Wen Yang, Chief  
Land Disposal Unit

Date: February 7, 2020

Subject: **NOTICE OF OPPORTUNITY FOR PUBLIC COMMENT AND PUBLIC MEETING ON TENTATIVE REVISED WASTE DISCHARGE REQUIREMENTS FOR DURBIN LANDFILL**

The Los Angeles Regional Water Quality Control Board (Regional Water Board) will consider the adoption of revised Waste Discharge Requirements (WDRs) for the Durbin Landfill (Landfill), operated by the Vulcan Materials Company (Discharger), located at 13000 E. Los Angeles Street, Irwindale, California.

The Regional Water Board meeting is scheduled as follows:

Date: April 9, 2020

Time: 9:00 a.m.

Place: City of Agoura Hills Council Chambers, 30001 Ladyface Court, Agoura Hills, CA 91301

At the Regional Water Board meeting, the public will also have an opportunity to orally comment on the tentative revised WDRs. Please note that the Regional Water Board may limit public comments to three (3) minutes each. Copies of the tentative revised WDRs can be obtained from the Regional Water Board's website at:

[http://www.waterboards.ca.gov/losangeles/board\\_decisions/](http://www.waterboards.ca.gov/losangeles/board_decisions/)

Interested persons are encouraged to submit comments electronically. All written comments and evidence must be received by the Regional Water Board no later than 5:00 p.m. on **March 9, 2020**. Comments sent after that date/time will not be accepted into the record unless determined by the Chair not to prejudice any party or the Regional Water Board. Written comments may be sent by email to: Mr. Douglas Cross at [douglas.cross@waterboards.ca.gov](mailto:douglas.cross@waterboards.ca.gov). Please indicate in the subject line, "Comment Letter - Tentative WDRs for Durbin Landfill". Written comments submitted through email are requested to be transmitted in Microsoft Word or PDF format. Written comments may also be sent via facsimile to (213) 576-5777 or by mail addressed to:

Mr. Douglas Cross  
California Regional Water Quality Control Board, Los Angeles Region  
320 W. 4th Street, Suite 200  
Los Angeles, CA 90013

Please contact Mr. Douglas Cross at (213) 620-2246 for additional information.

IRMA MUÑOZ, CHAIR | RENEE PURDY, EXECUTIVE OFFICER

**State of California  
Regional Water Quality Control Board  
Los Angeles Region  
Order Number R4-2020-00XX**

**Waste Discharge Requirements  
for  
Vulcan Materials Company  
(Durbin Landfill)  
(File Number 06-024)**

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

**Discharger and Location**

1. Vulcan Materials Company (Discharger) owns and operates the Durbin Landfill (Landfill) located at 1300 East Los Angeles Street, Irwindale, California (Figure 1). The Landfill is located in an aggregate mining quarry site (Site) that is bounded by Hornbrook Street on the east, East Los Angeles Street on the north, the 605 Freeway on the west, and Ramona Boulevard on the south (Figure 2). The Site occupies approximately 334.6 acres and is centered at approximate latitude 34°05'11"N and longitude 117°59'23"W.

**Purpose of Order Update**

2. The Landfill is currently regulated under Regional Water Board Order Number R4-2006-0078 that contains waste discharge requirements (W D R's) for the discharge of inert solid wastes. Section A.1.b. of the W D Rs requires that *"Asphalt material shall not be dumped into standing water nor shall it be placed below the highest anticipated groundwater elevation, which is estimated to be at 310 feet a m s l [above mean sea level] at the Site."* Anticipating that the "highest anticipated groundwater elevation" may change with additional groundwater monitoring data, Section A.1.c of the W D R's provides a "re-opener" stating that *"When waste fill reaches 270 feet a m s l at the Site, if groundwater replenishment in the area is not proceeding as currently anticipated, the Regional Board may revise this Order to allow the placement of asphalt material at elevations below 310 feet a m s l."*
3. On December 24, 2019, the Discharger submitted a Report of Waste Discharge Update (R O W D Update), indicating that portions of the Landfill have been filled to elevations up to 270 feet a m s l and higher. The R O W D Update presents an analysis of groundwater elevation at the Site, estimates that groundwater elevations at the Site should not rise higher than 240 feet a m s l, and requests that the W D R's be revised in accordance with the re-opener to allow the placement of asphalt wastes at elevations of 270 feet a m s l and higher.
4. Water Code section 13263 provides that all W D R's shall be reviewed periodically and, upon such review, may be revised by the Regional Water Board to comply with changing state or federal laws, regulations, policies, or guidelines. The W D R's are revised to allow the placement of asphalt waste at elevations of 270 feet a m s l and higher in consideration of the updated groundwater elevation analysis. Additionally, the W D R's are revised to include updated regulatory requirements, an updated description of site conditions, and updated groundwater monitoring requirements.

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### Landfill Description and Regulatory History

5. The Site is an active quarry pit that has been mined for aggregate materials by the Discharger and its predecessors since approximately 1900. The pit has a surface elevation of approximately 350 feet a m s l along its northern edge and 330 feet a m s l along its southern edge. Current excavation depths at the Site range from 175 to 200 feet below ground surface.
6. Groundwater at the Landfill has been exposed by aggregate mining activities and currently occupies approximately one third of the pit. Mining activities at the site include both "wet mining" that involves dredging under exposed groundwater and "dry mining" that involves excavating above groundwater. Current groundwater elevation across the site ranges from 205 feet a m s l to 210 feet a m s l.
7. Because only inert wastes are permitted to be discharged at the Landfill, the entire waste footprint is unlined. Wastes have been disposed of directly on native ground. The Landfill is currently graded to direct storm water to open areas of the pit to promote evaporation and percolation to groundwater. With this design feature, no storm water is discharged to surface waters. Groundwater quality is protected by implementing operational practices that prevent non-inert wastes from being discharged at the Landfill.
8. The Site is subject to reclamation as required by the State Surface Mining and Reclamation Act of 1975 (SMARA) (Public Resources Code §2710 et seq.). The Discharger has developed a reclamation plan for the Site that was approved by the City of Irwindale with Ordinance No. 356, dated March 1988, and Resolution No 90-17-1190, dated June 28, 1990, respectively.
9. On October 24, 2006, the Regional Water Board adopted Order Number R4-2006-078 for the discharge of inert solid wastes at the Landfill as part of the reclamation of the Site. Wastes that are permitted to be placed at the Landfill include native geological materials (such as clay, silt, gravel, etc.) generated by mining activities at the Site, processed concrete, stucco, ceramics, bricks, rock, gravel, stone, clay, asphalt, and clean fill soils.
10. In addition to W D R's adopted by the Regional Water Board, the Landfill is also regulated as an Inert Debris Engineered Fill Operation (IDEFO)<sup>1</sup> (Solid Waste Information System No. 19-AA-1111). The Los Angeles County Department of Public Health is the Local Enforcement Agency (LEA) for the California Department of Resources Recycling and Recovery (CalRecycle) in regulating the IDEFO in accordance with Division 7, Chapter 3, of Title 14 of the California Code of Regulations (Title 14).

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<sup>1</sup> Title 14, Chapter 3, Article 5.95, section 17388(l) defines "Inert Debris Engineered Fill Operation" as disposal activity exceeding one year in duration in which fully cured asphalt, uncontaminated concrete (including steel reinforcing rods embedded in the concrete), brick, ceramics, clay and clay products, which may be mixed with rock and soil, are spread on land in lifts and compacted under controlled conditions to achieve a uniform and dense mass which is capable of supporting structural loading as necessary, and having other characteristics appropriate for an end use approved by all governmental agencies having jurisdiction (e.g., roads, building sites, or other improvements) where an engineered fill is required to facilitate productive use of the land. The engineered fill shall be constructed and compacted in accordance with all applicable laws and ordinances and shall be certified by a Civil Engineer, Certified Engineering Geologist, or similar professional licensed by the State of California. Title 14, Chapter 3, Article 5.95, section 17388(k) provides that "Inert Debris" means solid waste and recyclable materials that are source separated or separated for reuse and do not contain hazardous waste (as defined in Title 22 of the California Code of Regulations (Title 22), section 66261.3 and following) or soluble pollutants at concentrations in excess of applicable water quality. Inert debris may not contain any putrescible wastes. Gravel, rock, soil, sand and similar materials, whether processed or not, that have never been used in connection with any structure, development, grading or other similar human purpose, or that are uncontaminated, are not inert debris. Such materials may be commingled with inert debris.

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11. On December 20, 2005, the City of Irwindale adopted Resolution No. 2005-89-2106 that adopted technical guidelines for the backfilling of open-pit mines within the City, including: Guidelines for Stability Analyses of Open-Pit Mine Slopes, Guidelines for Drainage and Erosion Control for Open-pit Mines, Guidelines for Underwater Backfilling of Open-Pit Mines, and Guidelines for Above-Water Backfilling of Open-Pit Mines. Operations of the Landfill are subject to these guidelines.
12. The R O W D Update indicates that aggregate mining is anticipated to continue to a maximum depth of 440 feet below ground surface at portions of the Site. Fill operations at the Site, in areas where mining has been completed, are expected to continue concurrently with mining operations. Based on an October 2019 evaluation, the Discharger estimates that the remaining capacity of the Landfill is approximately 19.6 million cubic yards and will take approximately 29 years to fill.

### **Geological and Hydrogeological Setting**

13. The San Gabriel River is located along the western boundary of the Site. The River is usually dry in this area due to the Santa Fe Dam and diversions to the Santa Fe Spreading Grounds, which are located approximately two miles upriver. The river channel within this reach has a soft bottom between raised dikes, which allows infiltration of surface water into the underlying unconfined aquifer.
14. The Landfill overlays the San Gabriel Valley Groundwater Basin (Figure 3), which is located in eastern Los Angeles County and includes the water-bearing sediments underlying most of the San Gabriel Valley. The San Gabriel Valley Groundwater Basin is bounded by the northwest-striking East Montebello fault on the west and the northeast-striking Walnut Creek fault on the east.
15. Based on groundwater elevations of the monitoring wells at the Site, observed since 2010, and the Main San Gabriel Basin Watermaster Key Well in Baldwin Park, the R O W D Update predicts that groundwater elevations at the Site should not rise higher than 240 feet a m s l in the future. This allows for a safety factor of 30 feet between anticipated high groundwater elevation of 240 feet a m s l and placement of asphalt waste at 270 feet a m s l.
16. The Landfill Site is within a 100-year flood plain hazard zone as defined by the Federal Emergency Management Agency (FEMA) and falls within the FEMA Zone C designation or “zone of minimal flooding”.

### **Environmental Monitoring Programs**

17. Groundwater monitoring conducted at the Site since 2006, as required by Regional Water Board Order Number R4-2006-0078, has not shown any adverse effect on groundwater at the site.
18. This Order requires the Discharger to take any and all necessary measures to protect waters of the State during inert waste disposal operations at the Landfill. The Discharger is required to implement an Inert Fill Load Checking Program for the Landfill, including procedures for material acceptance and tracking, load inspection, employee training, and large source verification, that meets the requirements of this Order to prevent the disposal of any waste at the Landfill that may cause pollution and nuisance to water resources.

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19. This Order requires the implementation of a monitoring and reporting program (M R P) CI-9196 (**Attachment A**) by the Discharger to assess or discern any unauthorized discharge of waste constituents to the Landfill or waters of the State, or any impairment of beneficial uses associated with (or caused by) discharge of wastes to the Landfill, and to evaluate facility operations and compliance with this Order.
20. The M R P requires the Discharger to perform regular monitoring and reporting of waste acceptance, disposal, and management activities, and to confirm completion of necessary site maintenance activities. The M R P may be modified as needed by the Regional Water Board Executive Officer (Executive Officer). The monitoring and reporting requirements are necessary to ensure implementation of all necessary long-term maintenance activities.
21. The California Water Code (Water Code) section 13267(b) authorizes regional water boards to require a person who discharged waste or is suspected of having discharged waste to furnish technical and monitoring reports. The technical and monitoring reports required by this Order and the MRP are necessary to assess compliance with these W D R's. The burden, including costs, of these reports, bears a reasonable relationship to the need for the reports and the benefits to be obtained, namely, confirmation that the Landfill is not causing adverse impacts to water quality or beneficial uses of waters of the State.

#### Relevant Authorities

22. All discharges of waste into waters of the State are privileges, not rights. A person who discharges pollutants or proposes to discharge pollutants to waters of the State shall file a report of waste discharge in compliance with the procedures set forth in Water Code section 13260. Water Code section 13263 requires the regional water board to prescribe requirements regarding the nature of any proposed discharge to ensure the implementation of any relevant water quality control plans.
23. The Water Quality Control Plan for the Coastal Watersheds of Los Angeles and Ventura Counties (Basin Plan) specifies beneficial uses and water quality objectives for surface and ground waters in the Los Angeles Region. The requirements specified in this Order are necessary to protect the beneficial uses and achieve the water quality objectives set forth in the Basin Plan.
24. Existing and potential beneficial uses of surface waters and groundwater in the vicinity of the Landfill, as provided in the Basin Plan, include municipal and domestic supply (M U N), agricultural supply, and industrial service and process supply. The requirements in this Order protect beneficial uses identified in the Basin Plan.
25. On May 19, 1988, the State Water Board adopted Resolution Number 88-063, *Sources of Drinking Water Policy*, which established a policy that all surface and ground waters, with limited exemptions, are suitable or potentially suitable for municipal and domestic supply. Consistent with the Sources of Drinking Water Policy, the Regional Water Board designated all groundwater basins and subbasins that were not previously designated with the beneficial use of Municipal or Domestic Supply (M U N) through Regional Water Board Resolution Number 89-003. These designations are contained in Chapter 2 of the Basin Plan. The aquifers beneath the Landfill are considered sources of drinking water.

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26. State Water Board Resolution Number 68-016, *Statement of Policy with Respect to Maintaining High Quality of Waters in California*, requires that whenever the existing quality of water is better than the quality established in policies as of the date on which such policies become effective, such higher quality must be maintained. Resolution Number 68-016 only allows degradation of an existing high-quality water if it has been demonstrated to the Regional Water Board that the change is consistent with maximum benefit to the people of the State, will not unreasonably affect present and anticipated beneficial uses of such water, and will not result in water quality less than that prescribed in the policies. Resolution Number 68-016 further requires that discharges meet W D R's that will result in the best practicable treatment or control of the discharge necessary to assure that (a) pollution or nuisance will not occur and (b) the highest water quality consistent with the maximum benefit to the people of the State will be maintained. This Order is consistent with Resolution Number 68-016 in that:
- a. The discharge conditions established in this Order will ensure that the beneficial uses and quality of waters of the State will be maintained and protected; and
  - b. Discharges regulated by this Order will not degrade existing water quality if the terms and conditions of this Order are met.
27. Requirements in this Order are intended to reflect Title 14 (governing nonhazardous waste management), Title 22 (governing hazardous waste management), Title 27 (governing waste management unit construction, monitoring, operations, documentation, etc.) and Title 23 (governing discharges to waters of the State) of the California Code of Regulations. The specific requirements restrict the types of waste that may be disposed of in the Landfill and construction and operation of the Landfill in a manner which is protective of human health and the environment.
28. Where necessary to protect water quality, pursuant to Title 27 sections 20012 (a) and (b), the Regional Water Board can implement CalRecycle requirements promulgated in Title 27.
29. Title 27 section 20230(a) provides that "Inert waste is that subset of solid waste that does not contain hazardous waste or soluble pollutants at concentrations in excess of applicable water quality objectives and does not contain significant quantities of decomposable waste." Title 27 section 20230(b) states that inert wastes do not need to be discharged at classified Waste Management Units.
30. Title 27, section 20230(c) provides that a regional water quality control board can prescribe individual or general W D R's for discharges of inert wastes.
31. Inert waste disposal facilities are not permitted to accept any wastes other than inert wastes that are defined in regulations. Further, inert wastes are not permitted to contain significant quantities of decomposable waste. If managed and maintained in accordance with regulations, inert waste disposal facilities pose a less significant threat to water quality than other waste management facilities. However, there may be some confusion regarding many wastes and whether they are inert and/or decomposable. Consequently, inert waste disposal facilities still have the potential to affect water quality through inadvertent acceptance and disposal of non-inert wastes, and through significant erosion or discharge of wastes to surface waters and groundwaters if they are not properly maintained and managed. As such, W D R's are necessary to ensure that discharges are protective of surface water and groundwater resources.

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32. The City of Irwindale adopted a Negative Declaration regarding the reclamation plan of the Site on September 12, 1990, in accordance with the California Environmental Quality Act (Public Resource Code, §21000 *et seq.*) (CEQA). The Regional Water Board, as a responsible agency under CEQA, finds that all environmental effects have been identified for project activities that it is required to approve, and that there is no substantial evidence that the Project will have significant adverse effects on the environment, provided that reclamation activities are carried out as conditioned in this Order. To the extent this Order approves continued operation of an existing facility, the order is exempt from CEQA pursuant to Title 14 of the California Code of Regulations, section 15301.

33. 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 the policy by including requirements that ensure waste discharges from the Landfill will not adversely impact ground and surface water resources, thereby protecting human health and ensuring that water is safe for domestic use.

34. In southern California, the predicted impacts of climate change are numerous. Annual average temperatures are expected to increase, coupled with a higher frequency of extreme heat days. A likely consequence of this warmer climate will be more severe drought periods, leading to an increase in the amount and intensity of fires and a longer fire season. In addition, precipitation patterns are likely to be modified. A decrease in snowfall, combined with warmer temperatures, will induce a decrease in the amount and duration of snowpack, an essential source of freshwater to the region. Although changes to mean precipitation are expected to be small, the increasing occurrence of extreme precipitation events will amplify the risk of flooding.

Recognizing the challenges posed by climate change, on March 7, 2017, the State Water Board adopted a resolution in recognition of the challenges posed by climate change that requires a proactive approach to climate change in all State Water Board actions, including drinking water regulation, water quality protection, and financial assistance (Resolution No. 2017-0012). The resolution lays the foundation for a response to climate change that is integrated into all State Water Board actions, by giving direction to the State Water Board divisions and encouraging coordination with the Regional Water Boards. In response to the State Water Board's Resolution (No. 2017-0012), the Los Angeles Water Board adopted "A Resolution to Prioritize Actions to Adapt to and Mitigate the Impacts of Climate Change on the Los Angeles Region's Water Resources and Associated Beneficial Uses" (Resolution No. R18-004) on May 10, 2018. The resolution summarizes the steps taken so far to address the impacts of climate change within the Los Angeles Water Board and lists a series of steps to move forward. These include the identification of potential regulatory adaptation and mitigation measures that could be implemented on a short-term and long-term basis by each of the Los Angeles Water Board's programs to take into account, and assist in mitigating where possible, the effects of climate change on water resources and associated beneficial uses. This Order contains provisions to require planning and actions to address climate change impacts in accordance with both the State and Regional Water Boards' resolutions.

35. The Site currently has the zoning classification of M2 (Heavy Manufacturing) and the General Plan Land Designation is "industrial". The reclamation plan for the Site specifies the following ultimate land use type: "agricultural, recreational, commercial, industrial, etc." The Discharger intends to reclaim the land for retail and commercial usage upon completion of fill activities.

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36. This Order does not preempt or supersede the authority of municipalities, flood control agencies, or other federal, State or local agencies to prohibit, restrict, or control discharges of waste subject to their jurisdiction.
37. Definitions of terms used in this Order shall be consistent with California Code of Regulations Titles 14, 22 and 27, the Water Code, and other applicable state and federal regulations.
38. The State Water Board has adopted regulations that require the electronic submittal of information (ESI) for Groundwater Cleanup programs (Section 3890 et seq. of title 23 of the California Code of Regulation [23 CCR] and division 3 of Title 27). Starting in January 1, 2005, electronic submittal of these items and a portable data format (PDF) copy of full reports was extended to include all Water Board groundwater cleanup programs, including the Land Disposal Program. The requirements contained in this Order, as they are met, conform to ESI reporting regulations.

#### Notifications and Meeting

39. The Regional Water Board has notified the Discharger and interested agencies and persons of its intent to revise the W D R's and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
40. The Regional Water Board, in a public meeting, heard and considered all comments pertaining to these W D R's.
41. Any person aggrieved by this action of the Regional Water Board may petition the State Water Board to review the action in accordance with Water Code section 13320 and Title 23 of the California Code of Regulations section 2050 and following. The State Water Board must receive the petition by 5:00 p.m., thirty days after the adoption date of this Order, except that if the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at: [http://www.waterboards.ca.gov/public\\_notices/petitions/water\\_quality](http://www.waterboards.ca.gov/public_notices/petitions/water_quality) or will be provided upon request.

**IT IS HEREBY ORDERED** pursuant to the authority in Water Code section 13263 and Titles 23 and 27 of the California Code of Regulations, the Discharger, its agents, successors, and assignees shall meet the applicable provisions contained in the Water Code and Titles 23 and 27, and shall comply with the following:

#### A. DISCHARGE SPECIFICATIONS

1. **Limitations on Discharge of Wastes** – Wastes discharged at the Landfill shall be limited to inert wastes as defined in Title 27, section 20230(a), including but not limited to: native geological materials (such as clay, silt, gravel, etc.) generated by mining activities at the Site, processed uncontaminated concrete, stucco, ceramics, bricks, rock, gravel, stone, clay, asphalt, and clean fill soils, and as limited by the specifications, prohibitions, provisions, and requirements contained in this Order. All such wastes shall be placed, managed, and maintained on property owned or controlled by the Discharger.

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2. **Waste Characterization** – The Discharger shall be responsible for accurate characterization of any wastes under consideration for disposal or deposition at the Landfill and whether or not such wastes are required to be managed as hazardous wastes (Title 27, section 20200).
3. **Management of Unacceptable Wastes** – The Discharger shall remove and relocate to a legal point of disposal any wastes that are discharged in violation of the requirements of this Order. For the purpose of these requirements, a legal point of disposal is defined as one for which W D R's have been established by a California regional water quality control board and is in full compliance therewith. If the Discharger opts for a legal point of disposal outside the State, a legal point of disposal means a facility that is lawfully permitted under applicable state and federal laws to receive the waste involved.
4. **Acceptance, Management, and Placement of Asphalt Materials** – The Discharger shall ensure that any asphaltic waste that is accepted for disposal or deposition at the Landfill is fully cured and shall ensure that it is not placed directly into any standing or ponded water. To minimize the potential for contact with rising groundwater, asphalt materials shall not be placed below 270 feet a m s l at the Site.
5. **Acceptance, Management, and Placement of Concrete or Other Inert Waste That Contains Steel or Other Metal Materials** – The Discharger shall ensure that any concrete or other inert waste, which contains steel or other metal materials, that is accepted for disposal or deposition at the Landfill is processed to a reasonable and practicable extent to remove the steel or other metal materials before being permanently disposed of at the Landfill.

#### B. PROHIBITIONS

1. The discharge or treatment of wastes at the Landfill shall not cause surface water or groundwater to be degraded or further degraded, to exceed water quality objectives, unreasonably affect beneficial uses, or cause a condition of pollution or nuisance.
2. Neither the treatment nor the discharge of waste at the Landfill shall create pollution, contamination or a nuisance, as defined by Water Code section 13050.
3. Erosion of deposited materials at the Landfill by surface flow shall be prevented.
4. Wastes shall not be disposed of in any position where they can migrate from the Landfill to adjacent geologic materials, waters of the State or of the United States during disposal operations, closure, and during the post-closure maintenance period.
5. Ponding of water or other liquids on surfaces overlying waste disposal areas shall be prevented.
6. No hazardous wastes (as defined in Title 22 section 66261.3 and following), designated wastes (as defined in Water Code section 13173.2), or special wastes (Title 27 section 20164, as categorized in Title 22 sections 66261.120, 66261.122, and 66261.124), such as liquids, oils, waxes, tars, soaps, solvents, or readily water-soluble solids, such as salts, borax, lye, caustic or acids shall be disposed of or deposited at the Landfill.
7. No non-hazardous solid wastes (as described in Title 27 section 20220(a), including decomposable organic refuse such as, but not necessarily limited to, ordinary household and commercial refuse, tin cans, metals, paper and paper products, plasterboard, cloth and

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clothing, wood and wood products, lawn clippings, sod, shrubbery, hair, hide, bones, dead animals, roofing paper, tar paper, unquenched ashes mixed with refuse, market refuse, garbage, etc.) shall be disposed of or deposited at the Landfill.

8. No sewage sludge or water treatment sludge shall be disposed of or deposited at the Landfill.
9. No materials of a toxic nature such as insecticides or poisons shall be disposed of or deposited at the Landfill.
10. No radioactive materials as determined by a regulatory agency with jurisdictional authority shall be disposed of or deposited at the Landfill.
11. No asbestos, asbestos products, or asbestos containing waste shall be disposed of or deposited at the Landfill.
12. The Discharger shall not dispose of any organic materials, green waste, wood waste, gypsum-board, drywall or other gypsum-related materials at the Landfill.
13. The Discharger shall not accept for disposal at the Landfill any waste containing volatile organic compounds, semi-volatile organic compounds, or petroleum hydrocarbons, other than fully cured asphaltic waste as defined in Title 14 section 17388(i), at concentrations greater than those specified in a Waste Acceptance Plan, as required in Provision D.2. of this Order. This prohibition does not apply to inert waste materials, such as concrete, brick, and fully cured asphalt that may contain incidental amounts of petroleum hydrocarbons, such as is found in oil and grease stains on roadways, parking lots, etc.
14. The Discharger shall ensure that any wastes accepted for disposal at the Landfill do not contain any free liquids.
15. The Discharger shall ensure that any wastes accepted for disposal or deposition at the Landfill do not have a pH less than 6 pH units nor more than 9 pH units.
16. The Discharger shall not accept any concrete grinding residues or remnant concrete slurries for deposition or disposal at the Landfill.
17. The Discharger shall not accept any electronic waste, as defined in California Public Resources Code section 42463(f), for disposal or deposition at the Landfill.

**C. GROUNDWATER MONITORING, ANALYSIS, AND PROTECTION STANDARDS**

1. **Monitoring and Reporting Program (MRP)** - The Discharger shall implement the attached MRP CI-9196, and revisions thereto, which is incorporated herein by reference, in order to detect, at the earliest opportunity, any unauthorized discharge of waste constituents from the Landfill or any exceedance of water quality objectives associated with (or caused by) discharge of wastes from the Landfill.
2. **Modifications to the Monitoring and Reporting Program** – The Executive Officer may modify the MRP, consistent with Water Code section 13267, to ensure protection of beneficial uses. At any time, the Discharger may file a written request, including appropriate supporting documents, with the Executive Officer, proposing modifications to the MRP. The Discharger

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shall implement any changes in the revised MRP approved by the Executive Officer upon receipt of a signed copy of the revised MRP.

3. **Purged Water** - The Discharger shall provide for proper handling and disposal of water purged from monitoring wells at the Landfill during sampling. Water purged from a monitoring well shall not be returned to that well or any other monitoring well.
4. **Monitoring Devices** - The Discharger shall install any additional groundwater monitoring devices as necessary to comply with the MRP, as adopted or as revised by the Executive Officer.
5. **Monitoring Points Added** - All monitoring wells shall be constructed in a manner that maintains the integrity of the drill hole, prevents cross-contamination of saturated zones, and produces representative groundwater samples from discrete zones within the aquifer unit each well is intended to monitor. For any monitoring points installed for the Landfill in the future, the Discharger shall submit technical reports for approval by the Executive Officer prior to installation. These technical reports shall be submitted at least 60 days prior to the anticipated date of installation of the wells. These reports shall be accompanied by:
  - a. A map depicting the locations of the groundwater monitoring points and a rationale for their number, depths, and spatial distribution.
  - b. Drawings and data depicting construction details of the proposed groundwater monitoring network. These must include:
    - casing, borehole diameters and methods of drilling;
    - casing materials to be used;
    - depth of each borehole;
    - size, length, and position of screen;
    - method of joining sections of casing;
    - nature and emplacement of filter pack and rationale for them;
    - depth, composition, and emplacement of seals; and
    - method and timetable for well development.

Within 30 days of the installation of a groundwater monitoring well (or monitoring point) at the Landfill, the Discharger shall submit an as-built report to the Regional Water Board and the California Department of Water Resources, including delineation of the stratigraphy encountered, all water bearing zone / zones encountered and water quality data.

All monitoring points shall be monitored pursuant to this Order or as directed by the Executive Officer through future revisions of the MRP.

6. **Point of Compliance (POC)** - The POC for groundwater monitoring for the Landfill is a vertical surface located at the hydraulically downgradient limit of the Landfill that extends through the uppermost aquifer underlying the Landfill pursuant to Title 27 section 20405(a).

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7. The Dischargers shall maintain the Landfill so as to prevent a measurably significant increase in water quality parameters at the POC.
8. Any abandoned wells or bore holes under the control of the Discharger, and situated within the Landfill boundaries, must be located and properly modified or sealed to prevent mixing of any waters between adjacent water-bearing zones. A notice of intent to decommission a well must be filed with the appropriate regulatory agencies prior to decommissioning. Procedures used to decommission these wells, or to modify wells still in use, must conform to the specifications of the local health department or other appropriate agencies.
9. All samples shall be analyzed by State-certified laboratories, or laboratories accepted by the Regional Water Board, using USEPA approved methods for the type of analysis to be performed. All laboratories shall maintain quality assurance/quality control records for Regional Water Board review. This specification does not apply to analyses that can only be reasonably performed onsite (e.g., pH).

10. **Water Quality Protection Standards** - In accordance with the Los Angeles Region Basin Plan, the following groundwater quality protection standards are established for the Landfill:

a. Constituent Parameters:

Parameter	Objective*	Units
TDS	450	milligrams per liter
Sulfate	100	milligrams per liter
Chloride	100	milligrams per liter
Boron	0.5	milligrams per liter
Nitrogen (as nitrate nitrogen plus nitrite nitrogen)	10	milligrams per liter

\* Based on the Basin Plan water quality objectives for the Western Area of the Main San Gabriel Basin.

- b. Groundwater protection standards for other inorganic and organic pollutants for the Site are the water quality objectives to protect the beneficial uses, including Maximum Contaminant Levels, promulgated in Title 22 of California Code of Regulations and incorporated into the Basin Plan by reference.
  - c. Water Quality Protection Standards may be modified by the Regional Water Board based on more recent and/or more complete groundwater monitoring data, changes in background water quality, or for any other valid reason.
11. **Statistical Analysis Methods** - The Discharger shall use the statistical procedures contained in Title 27 section 20415(e)(7), to determine if there is a statistically significant increase for any background indicator parameter, as specified in the MRP.
  12. **Determination of a Statistically Significant Increase** - If a statistically significant increase is determined for any background indicator parameter, the Discharger shall establish an evaluation monitoring program in accordance with Title 27 section 20425, unless such a program has already been submitted.

13. **Corrective Action Program** - If evaluation monitoring determines that there is a statistically significant increase in any background indicator parameter as a result of the discharge of waste at the Landfill, then the Discharger shall institute a corrective action monitoring program in accordance with Title 27 section 20430.

#### D. PROVISIONS

1. **Load Checking Program (LCP)** – The Discharger shall implement an LCP and take all necessary measures to prevent unauthorized wastes from being discharged at the Landfill. Within 60 days of the adoption of this Order, the Discharger shall submit for the Executive Officer approval, an updated LCP for the Landfill. The LCP shall address the requirements of Title 27, section 20870, and include all procedures for material acceptance and tracking, load inspection, employee training, and large source verification that will prevent the disposal of any substance at the Landfill that may cause pollution to water resources. In addition, the LCP shall include a waste acceptance plan (WAP) that describes the steps, procedures, methods, and criteria that will be used to ensure that earth materials accepted at the facility for deposition or disposal do not contain any constituents of concern at concentrations that could pollute or contaminate or threaten to pollute or contaminate water resources.<sup>2</sup> The Discharger may submit for approval by the Executive Officer a proposal for modification or revision of the LCP. In addition, the Executive Officer may modify or revise the LCP as determined to be necessary to protect water resources.
2. **Operation and Maintenance** - The Discharger shall properly operate and maintain all facilities and systems of management and control (and related appurtenances) which are installed or used by the Discharger to achieve compliance with conditions of this Order. Proper operation and maintenance include effective performance, adequate funding, adequate operator staffing and training, and adequate process controls. This provision requires the operation of backup or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Order (Water Code section 13263(f)).
3. **Submittal of Technical and Monitoring Program Reports** - The Discharger shall furnish, under penalty of perjury, technical or monitoring program reports in accordance with Water Code section 13267. Reports shall be acceptable to the Executive Officer. Water Code section 13268 governs failure or refusal to furnish these reports or falsifying any information. Monitoring reports shall be submitted in accordance with the specifications contained in the MRP, as directed by the Executive Officer. Additionally, monitoring reports shall be prepared by, or under the supervision of, and signed by a California professional civil engineer or professional geologist. The MRP is subject to periodic revisions as warranted and approved by the Executive Officer.
4. **Availability** - The Discharger shall maintain copies of this Order at the Landfill to be available to personnel operating the Landfill.
5. **Certification of Submitted Documents** – All applications, reports, or information submitted to the Regional Water Board shall be signed and certified as follows:
  - a. Applications, R O W Ds, or similar documents shall be signed as follows:

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<sup>2</sup> For the purposes of these W D R's, earth materials mean soil, sand, silt, clay, gravel materials or mixtures thereof, and that may include boulders or other similarly sized inert materials, under consideration for disposal or deposition at the Landfill.

- For a corporation - by a principal executive officer of at least the level of vice-president;
  - For a partnership or sole proprietorship - by a general partner or the proprietor, respectively;
  - For a municipality, state, federal or other public agency - by either a principal executive officer or ranking elected official; or
  - For a military installation - by the base commander or the person with overall responsibility for environmental matters in that branch of the military.
- b. All other reports required by this Order and other information required by the Executive Officer shall be signed by a person designated in paragraph [a] of this provision, or by a duly authorized representative of that person. An individual is a duly authorized representative only if:
- The authorization is made in writing by a person described in paragraph [a] of this provision;
  - The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity; and
  - The written authorization is submitted to the Executive Officer.
- c. Any person signing a document under this section shall make the following certification:
- "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."
6. **Change in Ownership** – The Discharger must notify the Executive Officer in writing at least 30 days in advance of any proposed transfer of this Order's responsibility and coverage to a new discharger, containing a specific date for the transfer of this Order's responsibility and coverage between the current Discharger and the new discharger. This agreement shall include an acknowledgement that the existing Discharger is liable for violations up to the transfer date and that the new discharger is liable from the transfer date forward (Water Code sections 13267 and 13263).
7. **Change in Discharge** - In the event of a material change in the character, location, or volume of a discharge, the discharger shall file with this Regional Water Board a new Report of Waste Discharge. (Water Code section 13260(c)). A material change includes, but is not limited to, the following:
- (a) Addition of a major industrial waste discharge to a discharge of essentially domestic sewage, or the addition of a new process or product by an industrial facility resulting in a change in the character of the waste.
  - (b) Significant change in disposal method, e.g., change from a land disposal to a direct discharge to water, or change in the method of treatment which would significantly alter the characteristics of the waste.

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- (c) Significant change in the disposal area, e.g., moving the discharge to another drainage area, to a different water body, or to a disposal area significantly removed from the original area potentially causing different water quality or nuisance problems.
  - (d) Increase in flow beyond that specified in the waste discharge requirements.
  - (e) Increase in the area or depth to be used for solid waste disposal beyond that specified in the waste discharge requirements.
8. **Failure to Submit Relevant Facts** – Where the Discharger becomes aware that it failed to submit any relevant facts or submitted incorrect information in any report to the Regional Water Board, the Discharger shall submit such facts or information within fourteen (14) days of the discovery of the omission (Water Code, sections 13260 and 13267).
9. **Notification of Violations** – The Regional Water Board shall be notified of any incidents at the Landfill that are in violation of this Order and/or that may endanger the environment, by telephone within 24 hours from the time the Discharger becomes aware of the circumstances, and in writing within 14 days of the time that the Discharger becomes aware of the circumstances. The written notification shall fully describe the incident including what occurred, when it occurred, the duration of the incident, when correction occurred (or when correction will occur if it is a continuing incident), and the steps taken or planned to reduce, eliminate, and/or prevent recurrence of the incident. All instances of noncompliance with this Order shall also be reported to the Regional Water Board in the same manner as stated above and shall also be included in the next scheduled monitoring report.

Except for a discharge which is in compliance with this Order, any person who, without regard to intent or negligence, causes or permits any hazardous substance or sewage to be discharged in or on any waters of the State, or discharged or deposited where it is, or probably will be, discharged in or on any waters of the State, shall, as soon as (a) that person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the California Governor's Office of Emergency Services (Cal OES) of the discharge in accordance with the spill reporting provision of the State toxic disaster contingency plan adopted pursuant to Article 3.7 (commencing with section 8574.7) of Chapter 7 of Division 1 of Title 2 of the Government Code, and immediately notify the State Water Board or the appropriate Regional Water Board of the discharge. This provision does not require reporting of any discharge of less than a reportable quantity as provided for under subdivisions (f) and (g) of section 13271 of the Water Code unless the Discharger is in violation of a prohibition in the applicable Water Quality Control Plan (Water Code section 13271(a)).

In an enforcement action, it shall not be a defense for the Discharger that it would have been necessary to halt or to reduce the permitted activity in order to maintain compliance with this Order. Upon reduction, loss, or failure of operations at the facility, the Discharger shall, to the extent necessary to maintain compliance with this Order, control operations or all discharges, or both, until the facility is restored, or an alternative method of operation is provided. This provision applies, for example, when the primary source of power of the treatment facility fails, is reduced, or is lost (Water Code section 13263(f)).

10. **Endangerment to Health and Environment** – The Discharger shall report any noncompliance which may endanger health or the environment. Any such information shall be provided verbally to the Executive Officer within 24 hours from the time the Discharger

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becomes aware of the circumstances. A written submission shall also be provided within fourteen (14) days of the time the Discharger becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue, and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The Executive Officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

11. **Oil or Petroleum Discharge** - Except for a discharge which is in compliance with these waste discharge requirements, any person who without regard to intent or negligence, causes or permits any oil or petroleum product to be discharged in or on any waters of the State, or discharged or deposited where it is, or probably will be, discharged in or on any waters of the State, shall, as soon as (a) such person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State oil spill contingency plan adopted pursuant to Article 3.5 (commencing with Section 8574.1) of Chapter 7 of Division 1 of Title 2 of the Government Code. This provision does not require reporting of any discharge of less than 42 gallons unless the discharge is also required to be reported pursuant to Section 311 of the Clean Water Act or the discharge is in violation of a prohibition in the applicable Water Quality Control Plan. (Water Code section 13272.)
12. **Investigations and Inspections** - The Discharger shall allow the Regional Water Board, or an authorized representative upon the presentation of credentials and other documents as may be required by law, to:
  - (a) Enter upon the Discharger's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Order;
  - (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order;
  - (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
  - (d) Sample or monitor at reasonable times, for the purposes of assuring compliance with this Order, or as otherwise authorized by the California Water Code, any substances or parameters at any location. (Water Code section 13267.)
  - (e) Except for material determined to be confidential in accordance with applicable law, all reports prepared in accordance with the terms of this Order shall be available for public inspection at the office of the Los Angeles Water Board. Data on waste discharges, water quality, geology, and hydrogeology shall not be considered confidential.
13. **Cessation of Disposal Operations** – Ninety (90) days prior to cessation of disposal operations at the Landfill, the Discharger shall submit a technical report to the Regional Water Board describing the methods and controls to be used to assure protection of the quality of receiving waters during final operations and with any proposed subsequent use of the land. Such methods and controls shall comply with the foregoing technical report and the W D R's.

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The report shall be prepared under the direct supervision of a California registered geologist or professional civil engineer, or a California-certified engineering geologist.

14. **Final Cover** – In accordance with Title 14 section 17388.3(g), upon the final placement of waste at the Landfill, the Discharger shall cover the site of fill with a minimum of three feet of compacted clean soil above the fill area or with other final cover as determined by the LEA. The LEA may determine, on the basis of substantial evidence, that a lesser amount of final cover or no final cover is needed, based on potential impacts to the public health, safety and the environment.
15. **Continuing Responsibility** – The Discharger has responsibility for correcting any problems which may arise in the future as a result of this waste discharge or water applied to the Landfill during subsequent use of the land for other purposes.
16. **Compliance with Other Laws, Regulations, or Ordinances** – This Order does not exempt the Discharger from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this waste disposal facility, and they leave unaffected any further restraint on the disposal of wastes at the Landfill which may be contained in other statutes or required by other agencies.
17. **Endangered Species Act** – This Order does not authorize any act that results in the taking of a threatened or endangered species or any act that is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish and Wildlife Code sections 2050 to 2097) or the federal Endangered Species Act (16 U.S. Code sections 1531 to 1544). The Discharger shall be responsible for meeting all applicable requirements of the Endangered Species Acts. A discharge which is deleterious to fish, plant life, mammals, or bird life or otherwise in violation of Fish and Wildlife Code section 5650 is not a discharge which is authorized nor in compliance with the terms and conditions of this Order. The Discharger shall obtain permits as necessary and comply with permit conditions and all other applicable federal, state, county, and local laws and regulations.
18. **Conditions of this Order Maintained** – The filing of a request by the Discharger for the modification, revocation and reissuance, or termination of this Order or notification of planned changes or anticipated noncompliance does not stay any condition of this Order.
19. **Severability** – The provisions of this Order are severable, and if any provision of this Order, or the application of any provision of this Order to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Order shall not be affected thereby.
20. **Deed Notice** – Due to the nature of the wastes discharged, the Discharger shall file a deed notice with the Recorder of the respective Counties in which the Landfill is located, which identifies the prior uses and waste discharge practices at the property. The notice shall include a property description and a map that identifies the location of the buried wastes. Confirmation of recordation and a copy of the deed notice shall be provided to the Executive Officer within 60 days of site closure.
21. **Duty to Comply** – The Discharger must comply with all conditions of this Order. A responsible party has been designated for the Landfill and is legally bound to maintain the monitoring program and permit. Violations may result in enforcement actions, including Regional Water Board orders or court orders requiring corrective action or imposing civil monetary liability, or

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in modification or revocation of this Order by the Regional Water Board. (Water Code sections 13261, 13263, 13265, 13267, 13268, and 13350). Failure to comply with any waste discharge requirement, monitoring and reporting requirement, or other order or prohibition issued, reissued or amended by the Regional Water Board or State Water Resources Control Board is a violation of this Order and the Water Code, which can result in the imposition of civil liability pursuant to Water Code section 13350(a).

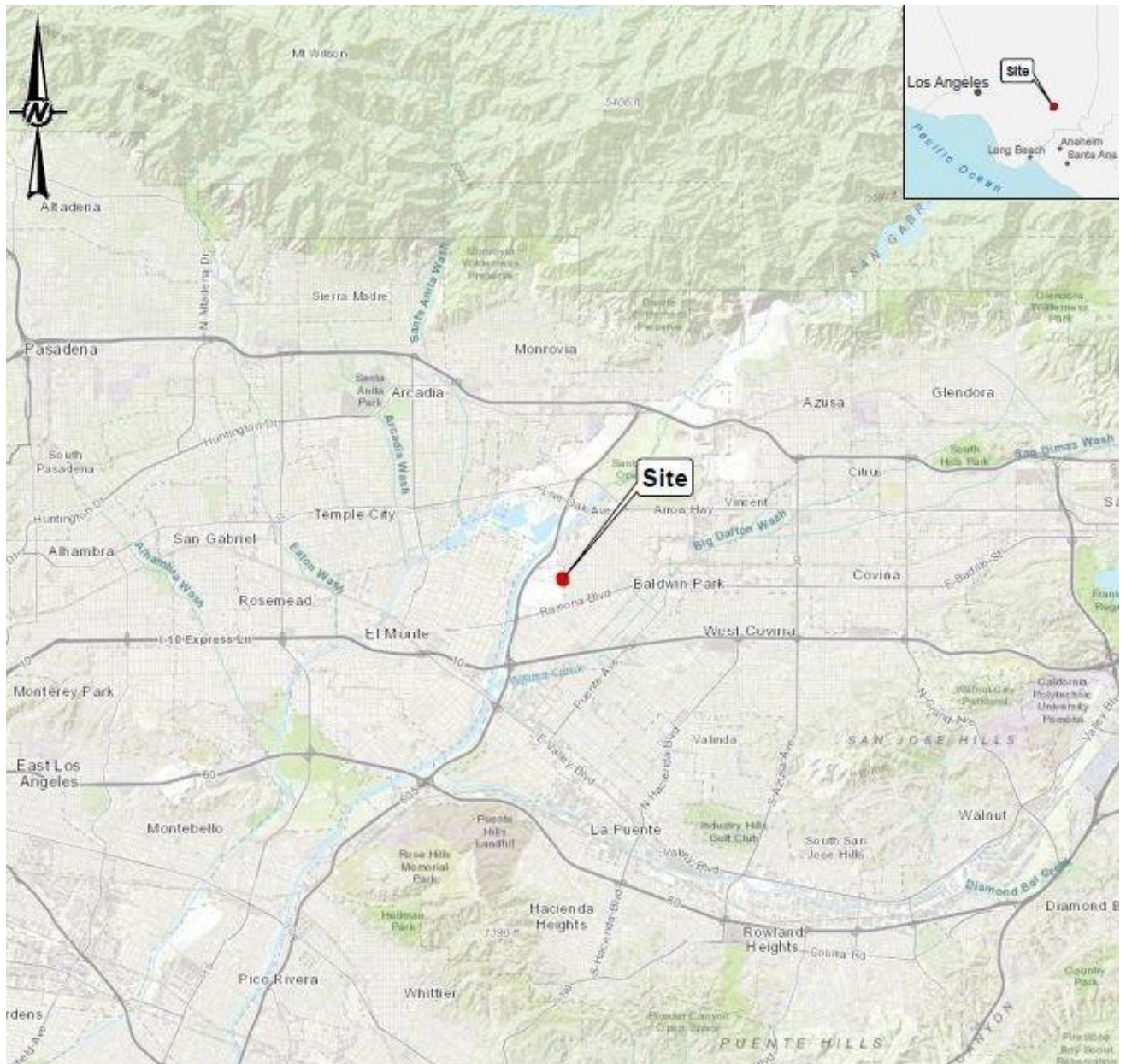
22. **Vested Rights** – This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, do not protect the Discharger from its liability under Federal, State or local laws, nor do they create a vested right for the Discharger to continue the waste discharge (Water Code section 13263(g)).
23. **Climate Change Plan** - The Discharger shall submit a Climate Change Effects Vulnerability Assessment and Mitigation Plan (Climate Change Plan) no later than 12 months after adoption of this Order. The Climate Change Plan is required pursuant to Water Code section 13267 to assess and manage climate change related effects associated with operations of the Landfill that may affect water quality. The Climate Change Plan shall include an assessment of the short- and long-term vulnerabilities of the Landfill to climate change to ensure that compliance with permit conditions is achieved. Control measures shall include, but are not limited to, emergency procedures, contingency plans, alarm/notification systems, training, backup power and equipment, and the need for planned mitigation to ameliorate climate-induced impacts including, but not limited to, back-to-back severe storms and wildfires that are expected to become more frequent.
24. **Maintenance of Records** - The Discharger shall retain records of all monitoring information including all maintenance records, copies of all reports required by this Order, and a record of all information used to complete the application for this Order. Records and reports shall be maintained for a minimum of five years from the date of submission to the Regional Water Board. This period may be extended during any unresolved litigation regarding this discharge or when requested by the Regional Water Board Executive Officer. Records of monitoring information shall include:
  - The date, exact place, and time of recording;
  - The individual / individuals who documented the record.
25. **Effective Date** – This Order becomes effective on the date of adoption by this Regional Water Board.
26. **Termination** - Except for enforcement purposes, Regional Water Board Order Number 06-078 (October 24, 2006), is hereby terminated.

I, Renee Purdy, Executive Officer, do certify that the foregoing is a full, true, and correct copy of an order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on April 9, 2020.

Renee Purdy  
Executive Officer

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Figure 1:  
Location Map



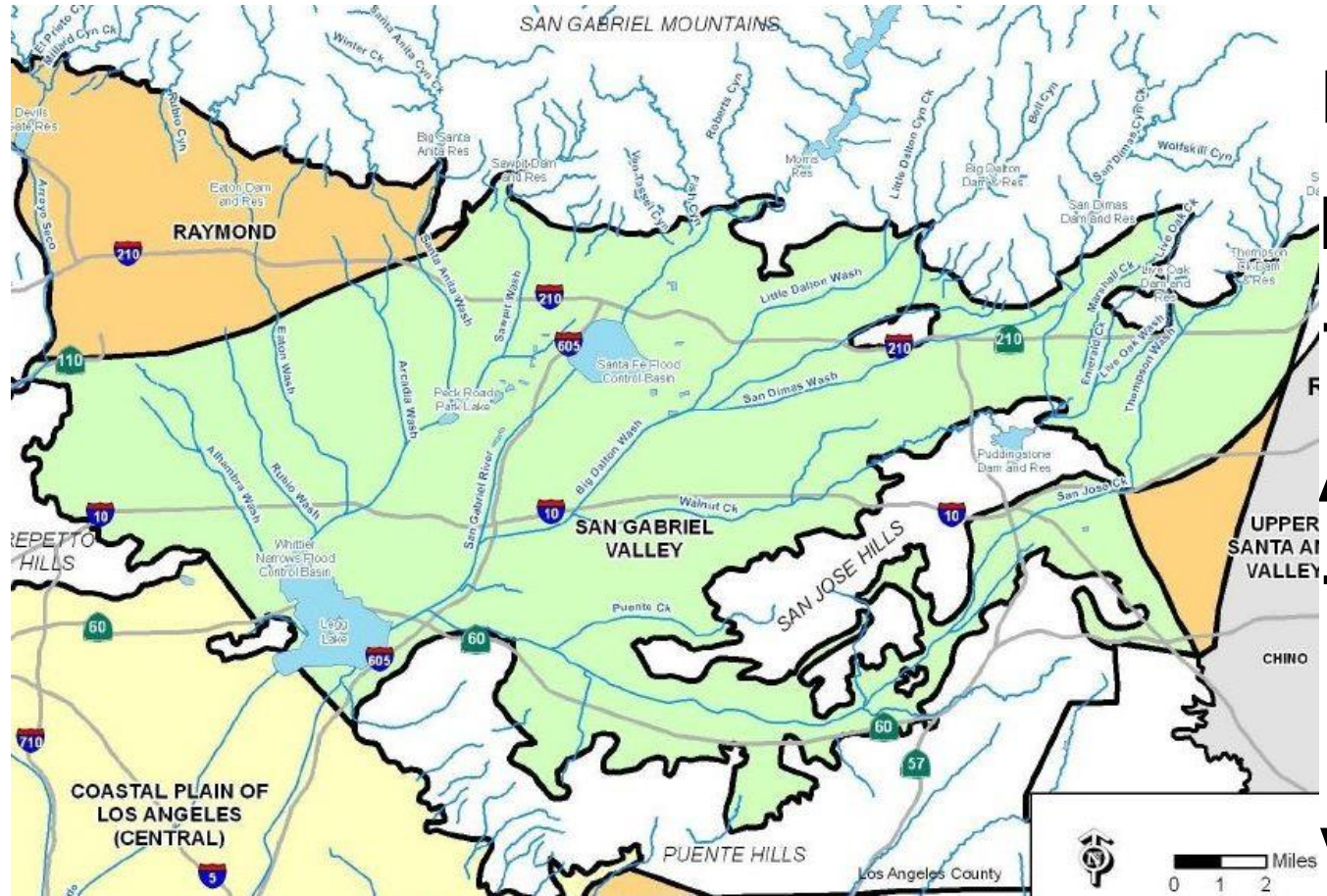
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Figure 2:  
Existing Landfill Boundaries



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Figure 3:  
San Gabriel Valley Groundwater Basin



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**State of California  
California Regional Water Quality Control Board  
Los Angeles Region**

**Monitoring and Reporting Program CI-9196  
for  
Vulcan Materials Company  
(Durbin Landfill)  
(File Number 06-024)**

This Monitoring and Reporting Program (MRP CI-9196) is issued by the California Regional Water Quality Control Board, Los Angeles Region (Regional Water Board) to Vulcan Materials Company (Discharger) for the Durbin Landfill (Landfill) pursuant to California Water Code (Water Code) section 13267(b). This MRP is incorporated by reference into Regional Water Board Order Number R4-2020-00xx (Order), adopted on April 9, 2020. The Discharger shall begin implementing this MRP following the adoption of the Order. This MRP is required to assure compliance with the conditions of the Order and is issued to the Discharger, which is the operator of the Landfill. The first monitoring report under this program is due by August 15, 2020.

**Section 1. Reporting**

- A. The Discharger shall implement and comply with the MRP and any revisions issued by the Regional Water Board Executive Officer (Executive Officer) upon adoption of the Order. The Discharger shall submit semi-annual monitoring reports, acceptable to the Executive Officer, no later than August 15<sup>th</sup> (for the period from January 1st through June 30<sup>th</sup>) and February 15<sup>th</sup> (for the period from July 1st through December 31st) of each year in accordance with the MRP. The February 15<sup>th</sup> report shall include an annual summary as described in the MRP. The semi-annual reports shall include both groundwater monitoring data as required in Section 2 and the waste disposal information as required in Section 3 of this MRP.
- B. A transmittal letter that contains the essential points of the report shall accompany each report. Such a letter shall include a discussion of any violations 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 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 transmittal letter. 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 a representative is responsible for the overall operation of the facility from which the discharge originates. The letter shall be signed and certified as required by Provision D.7 of the Order.
- C. The Discharger shall arrange the data in tabular form so that the specified 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 the W D R's.
- D. If hazardous or other unacceptable wastes are detected, the Regional Water Board shall be notified by telephone within 24 hours and by writing within 14 days. The type, source, quantity, and final disposition of those wastes shall also be reported.

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- E. If the Discharger performs analyses for any parameter more frequently than required by this MRP, using approved analytical methods, the results shall be included in the next scheduled monitoring report.
- F. The Discharger may submit additional data to the Regional Water Board that are not required by this MRP in order to simplify reporting to multiple agencies.
- G. The Discharger shall retain records of all monitoring information, including all calibration and maintenance records regarding monitoring instrumentation, and copies of all data submitted to regulatory agencies, for a period of at least five years. This period may be extended by request of the Regional Water Board at any time and shall be extended during any unresolved litigation regarding all or any part of the Landfill.
- H. The reporting period and the compliance file number (CI-9196) must be clearly displayed on the title page to facilitate routing to the appropriate staff and file.
- I. The Discharger shall submit all scheduled reports required in the Order, including those required by this MRP, pursuant to Electronic Submittal of Information reporting requirements, or as directed by the Executive Officer. Until directed otherwise by the Executive Officer, all reports shall be submitted to the State Water Board GeoTracker data system in searchable Portable Document Format (PDF) files (GeoTracker Global ID T10000002295). In addition, all groundwater monitoring data and monitoring point locations shall be submitted to GeoTracker in Electronic Deliverable Format (EDF). Documents that cannot be conveniently reviewed in electronic format, such as large maps or drawings, shall be submitted as hard copies to the Regional Water Board office as instructed by Regional Water Board staff.

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**Section 2. Groundwater Monitoring**

- A. The groundwater monitoring network of the Landfill shall include monitoring wells MW01, MW02, MW03, and the exposed groundwater, referred to as the Pond (Figure A-1).
- B. All groundwater monitoring points must be monitored semi-annually. The Executive Officer may require the Discharger to install additional groundwater monitoring points, including the installation of monitoring wells, with the progress of operations at the Landfill.
- C. All water samples shall be analyzed for the following constituents:

<u>Parameter</u>	<u>Units</u>
pH	pH units
Alkalinity	milligrams per liter
Chemical oxygen demand	milligrams per liter
Total dissolved solids	milligrams per liter
Total Hardness	milligrams per liter
Chloride	milligrams per liter
Sulfate	milligrams per liter
Nitrogen (as nitrate nitrogen plus nitrite nitrogen)	milligrams per liter
Boron	milligrams per liter
Cadmium	micrograms per liter
Total Chromium	micrograms per liter
Iron	micrograms per liter

**Vulcan Materials Company  
Durbin Landfill  
Monitoring and Reporting Program CI-9196**

**Order Number R4-2020-00xx**

Lead	micrograms per liter
Nickel	micrograms per liter
Volatile organic compounds	micrograms per liter

- D. Semi-annual sampling shall be performed during the months of March and September. In the event sampling is not performed as above because of unforeseen circumstances, substitute sampling shall be performed as soon as possible after these times, and the reason for the delay shall be given.
- E. The groundwater monitoring program is to be continued even during periods when no wastes are deposited at the Landfill, and throughout the active life of the Landfill.
- F. Unless otherwise permitted by the Regional Water Board Executive Officer, all data produced and reports submitted under this MRP must be generated by a laboratory accredited by the State of California Environmental Laboratory Accreditation Program. The laboratory must hold a valid certificate of accreditation for the analytical test methods specified in the latest edition of the US EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846) promulgated, or equivalent analytical test methods validated for intended use and approved by the Executive Officer. The laboratory must include quality assurance/quality control data in all laboratory reports. Data generated using field tests is exempt pursuant to Water Code section 13176.
- G. Analytical data reported as "less than" shall be reported as less than a numeric value, or below the limit of detection for that analytical method. The method detection limit for all constituents shall be specified in the reports.
- H. All analytical samples obtained for this MRP shall be grab samples. The water quality monitoring report must also include the following:
1. Sampling protocol and analytical methods used;
  2. Chain of custody documentation;
  3. Well purge data;
  4. If any required samples were omitted during the reporting period, a statement to that effect shall be made and reasons given for any omission;
  5. Groundwater elevations measured to the nearest 0.01 foot relative to mean sea level. The velocity and direction of ground water flow under the Landfill shall be determined after each monitoring event and reported;
  6. For any monitored waste parameter which is listed as such by the US EPA or by the State, the Discharger shall compare such data to the most stringent allowable concentrations under all existing Federal and State regulations; and
  7. An evaluation of the results of the testing signed by a California professional geologist or professional civil engineer.

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**Section 3. Waste Disposal Reporting**

All semi-annual reports to the Regional Water Board shall include the following information:

- A. A map showing the areas at the Landfill where wastes were deposited during the monitoring period.
- B. A tabular list of the estimated average monthly quantities (in cubic yards or tons) of materials deposited each month and the methods of disposal.
- C. Quantities (in tons or cubic yards) of unacceptable materials (such as household trash, wood, etc.) that were removed and sent out from the Landfill in each month. The places where these unacceptable materials were sent to shall also be reported.
- D. Quantities (in tons or cubic yards) of recycled materials (such as steel, crushed concrete, asphalt, etc.) that were sent out from the Landfill in each month.
- E. An estimate of the remaining life of the Landfill in years and months.
- F. A certification that all wastes disposal operations at the Landfill were in compliance with Regional Water Board requirements.

These records and reports are public documents and shall be made available for inspection during normal business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region.

ORDERED BY:

Renee Purdy  
Executive Officer

DATE: April 9, 2020

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Figure A-1:  
Landfill Groundwater Monitoring Locations



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