

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

ORDER NO. R5-2014-XXXX

IMERYS TALC VERMONT, INC.
RED HILL MINE
POST-CLOSURE MAINTENANCE
CALAVERAS COUNTY

The California Regional Water Quality Control Board, Central Valley Region, (hereafter Central Valley Water Board) finds that:

1. Imerys Talc Vermont, Inc. (hereinafter Discharger) owns the Red Hill Mine (facility) about two miles southeast of Angles Camp in Section 1, T2N, R13E, MDB&M, as shown in Attachment A, which is incorporated herein and made part of this Order by reference. The facility is an inactive closed Group B mining waste management unit regulated under authority given in Water Code section 13000 et seq.; California Code of Regulations, title 27 (Title 27), section 20005 et seq.
2. The facility is on a 47 acre property on Red Hill Road approximately 1.2 miles north of the intersection with Highway 49. The existing area (disturbed by mining) is approximately 16 acres of which five acres contain mining waste. The facility consists of a single waste management unit contained within the former mine open pit, as shown in Attachment B, which is incorporated herein and made part of this Order by reference. The facility is comprised of Assessor's Parcel Number (APN) 64-003-094.
3. The facility operated as a talc mine from 1980 to 1997. The existing Group B mining waste containment unit underwent final closure in 1999 in compliance with Order No. 99-071. The facility has been in Post-Closure Maintenance since 1999, the cover is stable with minimal surface erosion, and there is no evidence of releases to surface water or groundwater. Constituents of concern with the potential to leach from mining waste in concentrations greater than water quality goals include arsenic, cobalt, lead, nickel and TDS.
4. On 27 September 2013 the Discharger submitted an amended Report of Waste Discharge (ROWD). The information in the ROWD has been used in revising these waste discharge requirements (WDRs). The ROWD contains the applicable information required in Title 27. The ROWD and supporting documents contain information related to this revision/update of the WDRs including:
 - (a) Upgrades to the groundwater monitoring system to comply with Title 27, by installing two new monitoring wells; and
 - (b) Proposed revisions to groundwater and surface water monitoring parameters and to concentration limits;

- (c) Changes to the leachate collection and management program; and
- (d) Changes to the site drainage system.

5. The existing closed waste management unit is described as follows:

<u>Unit</u>	<u>Area</u>	<u>Liner/LCRS¹/Cover Components</u>	<u>Unit Classification & Status</u>
WMU ²	5 acres	Mining waste backfilled into former mine pit with a sump to collect groundwater. Cover of 12-inch foundation layer, a GCL ³ , a GDN ⁴ and a soil/vegetation top layer.	Group B, closed as a landfill.

¹ LCRS – Leachate collection and removal system.

² WMU – Waste Management Unit.

³ GCL – Geosynthetic Clay Layer.

⁴ GDN – Geosynthetic drainage net.

6. On 11 June 1999, the Central Valley Water Board issued Order No. 99-071 in which the waste management unit at the facility was classified as a Group B mining waste unit for the discharge of Group B mining waste. These WDRs continue to classify the waste management unit as a Group B mining waste unit in accordance with Title 27. Improvements implemented subsequent to the original closure include:

- (a) Subsurface seepage collected above the unit was formerly directed through the Geochemical Barrier (GCB), it is now piped to a settling pond; and
- (b) Surface water initially drained via unlined ditches is now piped where it passes through mineralized rock.

7. These WDRs implement the applicable regulations for discharges of mining waste to land through Prohibitions, Specifications, Provisions, and monitoring and reporting requirements. Prohibitions, Specifications, and Provisions are listed in Sections A through H of these WDRs below, and in the Standard Provisions and Reporting Requirements, Mining Wastes (SPRR) dated February 2009 which are attached hereto and made part of this Order. Monitoring and reporting requirements are included in the Monitoring and Reporting Program (MRP) No. R5-2014-XXXX and in the SPRRs. In general, requirements that are either in regulation or otherwise apply to all facilities regulated under Title 27 are considered to be “standard” and are therefore in the SPRRs. Any site-specific changes to a requirement in the SPRRs are included in the applicable section

(A through H) of these WDRs, and the requirement in the WDRs supersedes the requirement in the SPRRs.

WASTE CLASSIFICATION AND UNIT CLASSIFICATION

8. The Discharger has discharged Group B mining waste to a Group B waste management unit at the facility. These classified wastes may be discharged only in accordance with Title 27.
9. Water Code section 13173 defines "Group B mining waste" as either of the following:
 - (a) Mining wastes that consist of or contains hazardous wastes, that qualify for a variance under Chapter 11 of Division 4.5, of Title 22 of this code, provided that the RWQCB finds that such mining wastes pose a low risk to water quality; or
 - (b) Mining wastes that consist of or contain nonhazardous soluble pollutants of concentrations which exceed water quality objectives for, or could cause degradation of waters of the state.

Group B mining waste can be discharged only at waste management units which comply with Title 27 and have been approved by the regional board for containment of the particular kind of waste to be discharged.

10. Waste at Red Hill Mine consists of mostly overburden rock removed to expose ore for mining and smaller amount of unused, stockpiled talc ore. The waste was classified Group B mining waste in Order No. 99-071, this Order continues that classification. Composite soil samples from overburden stockpiles contained leachable concentrations of arsenic, cobalt, lead and nickel in excess of water quality goals. Samples of ore stockpiles contained concentrations of leachable arsenic and nickel up to 2,280 ug/l and 3,330 ug/l respectively.
11. The data indicate that the waste consists of or contains nonhazardous soluble pollutants of concentrations which exceed water quality objectives for, or could cause, degradation of waters of the state. Therefore, the waste is a 'Group B mining waste' and as such must be discharged to a Group B waste management unit as required by Title 27.
12. Leachate and any inflowing groundwater is collected in a sump at the base of the unit and discharged to the South Ditch. Previously, discharges from the sump if any were treated in a geochemical barrier and measured by a tipping bucket/data logger. This system has suffered repeated failures since it was installed in 1999. There are long periods when no data was collected. There is no evidence that any liquid has been released from the leachate collection sump. These WDRs require that the tipping bucket/data logger will be replaced with a more reliable stilling well with pressure transducer/data logger system.

SITE DESCRIPTION

13. The site is within the western foothills of the central Sierra Nevada Range. The area is open, hilly terrain with low to average forage quality. Historic land uses include grazing, fruit production and mining. A local rancher has grazing rights on and around portions of the site
14. Land uses within one mile of the facility include residential and stock grazing.
15. There are 6 domestic or agricultural groundwater supply wells within one mile of the facility.
16. The site geology is characterized by phyllites of the Calaveras Formation. The rock fabric strikes north-northwest and dips steeply east. The mine extracted talc from a lens shaped body of ankerite-talc schist. The ore is cross cut by chlorite and quartz veins containing iron, nickel, chromium and arsenic sulfides. Disseminated sulfide mineralization is present in the wall rock to either side of the talc body. Wall rock is black phyllite to the east and gray-green phyllite to the west. The talc body is believed to be a hydrothermally altered serpentinite.
17. The measured hydraulic conductivity of the soil underlying the waste management unit is less than 1×10^{-6} centimeters per second (cm/s).
18. The facility receives an average of 31.24 inches of precipitation per year as measured at the New Melones Dam Station. The mean pan evaporation is 78 inches per year as measured at the New Melones Dam Station, reported by the Western Regional Climate Center.
19. The 1,000-year, 24-hour precipitation event for the facility is estimated to be 8.06 inches, based on Western Regional Climate Center estimates.
20. The waste management facility is not within a 100-year flood plain.

SURFACE WATER CONDITIONS

21. The *Water Quality Control Plan for Sacramento and San Joaquin River Basins, Fourth Edition* (hereafter Basin Plan), designates beneficial uses, establishes water quality objectives, and contains implementation plans and policies for all waters of the Basin.
22. Surface water drainage from the site is to Carson Creek thence to Melones Reservoir on the Stanislaus River a tributary of the San Joaquin River.
23. The beneficial uses of any specifically identified water body generally apply to its tributary streams. Therefore, the designated beneficial uses of Carson Creek as tributary to New Melones Reservoir, as specified in the Basin Plan, are municipal and domestic supply;

agricultural supply; hydropower generation; water contact recreation; non-contact water recreation; commercial and sport fishing; cold freshwater habitat; and wildlife habitat.

GROUNDWATER CONDITIONS

24. The site is in an area of fracture flow in bedrock with limited groundwater. Based on the inadequate available data set, parameter concentrations are highly variable between locations; intrawell analysis is appropriate; and concentrations have been generally stable over the period of monitoring (since 1998). Given the imperfect state of the previous monitoring system there is no indication of an ongoing release from the unit to groundwater.
25. The first encountered groundwater ranges from about 29 feet to 39 feet below the native ground surface. Groundwater elevations range from about 1,646 feet MSL to 1,637 feet MSL.
26. Monitoring data indicate background groundwater quality for first encountered groundwater has electrical conductivity (EC) ranging between 2,010 and 3,890 micromhos/cm, with total dissolved solids (TDS) ranging between 2,210 and 4,890 milligrams per liter (mg/L).
27. The direction of groundwater flow is generally toward the south. Prior to December 2013, only two wells were available to monitor groundwater at this site. The Discharger has been unable to estimate average groundwater gradient or average groundwater velocity.
28. The designated beneficial uses of the groundwater, as specified in the Basin Plan, are domestic and municipal water supply, agricultural supply, industrial service supply, and industrial process supply.

GROUNDWATER AND SURFACE WATER MONITORING

29. The groundwater monitoring network was recently upgraded with the addition of two additional wells. The current network consists of a background well, two monitoring wells and one domestic well, as shown on Attachment B.
30. The Discharger's detection monitoring program for groundwater at the facility satisfies the requirements contained in Title 27.
31. The Discharger submitted a 26 September 2013 Water Quality Protection Standard (WQPS) report proposing additional two monitoring wells, reduced monitoring parameters and revised concentration limits for the existing monitoring well MW-1. The WQPS report found that spatial variability of groundwater quality is high and proposed to use Intrawell data analysis to calculate tolerance limits for the monitored constituents. The WQPS and approved data evaluation methods are included in MRP No. R5-2014-XXXX.

DESIGN OF WASTE MANAGEMENT UNIT

32. Water Code section 13360(a)(1) allows the Central Valley Water Board to specify the design, type of construction, and/or particular manner in which compliance must be met in waste discharge requirements or orders for the discharge of waste at solid waste disposal facilities.
33. Title 27 section 20080(b) allows the Central Valley Water Board to consider the approval of an engineered alternative to the prescriptive standard. The WMU was closed in 1999 by such an engineered alternative that was approved by the Board in Order No. 99-071. The closure from bottom to top consisted of:
- (a) Material accumulated in the bottom of the mine pit was determined to have a natural hydraulic conductivity of less than 1×10^{-6} cm/sec. A sump was constructed on the pit floor to collect inflowing groundwater and plumbed to drain to a geochemical barrier (GCB) and then discharged to South Ditch, a natural drainage west of the unit;
 - (b) Waste rock and stockpiled talc ore were backfilled and compacted into the mine pit; and
 - (c) a final cover consisting of a minimum 12 inch foundation layer, a Geosynthetic Clay Layer (GCL), a geocomposite drainage net layer (GDN), and a minimum 24 inch soil/vegetation layer.

Infiltrating surface water captured by the GDN drains through a sump and discharges to the South Ditch. Up gradient base flow is collected in a subsurface drainage system along the northeast pit headwall and drains to a settling pond that discharges to South Ditch. Surface water is collected by a system of ditches and pipes and diverted around the unit.

POST-CLOSURE FINANCIAL ASSURANCES

34. The facility was closed in 1999 and is now in the post-closure maintained phase. The Discharger has established post-closure financial assurances in the amount \$150,000 in 2013 dollars. This cost estimate is approved by the adoption of these WDRs. Pursuant to Title 27 section 22207(a), the Discharger shall continue to maintain financial assurances for closure of the Group B mining waste management unit in accordance with the approved cost estimate, naming the Central Valley Water Board as the beneficiary. .

FINANCIAL ASSURANCES FOR CORRECTIVE ACTION

35. Title 27 Section 22222 requires the Discharger to establish financial assurances for corrective action of a known or reasonably foreseeable release. A cost estimate for corrective action is included in the ROWD. The total of the cost estimate for corrective

action is \$25,000 in 2013 dollars. This cost estimate is approved by the adoption of these WDRs. This Order requires the Discharger to establish financial assurances for corrective action in accordance with the approved cost estimate naming the Central Valley Water Board as the beneficiary. This Order also requires annual adjustments to account for inflation by 1 June of each year.

CEQA AND OTHER CONSIDERATIONS

36. The action to revise waste discharge requirements for this existing facility is exempt from the provisions of the California Environmental Quality Act (CEQA), Public Resource Code section 21000, et seq., and the CEQA guidelines, in accordance with Title 14, section 15301.

37. This order implements:

- (a) The Water Quality Control Plan for the Sacramento River and San Joaquin River Basins, Fourth Edition .
- (b) The prescriptive standards and performance goals of California Code of Regulations, title 27, section 20005 et seq., effective 18 July 1997, and subsequent revisions.

38. Based on the threat and complexity of the discharge, the facility is determined to be classified 3,C as defined below:

- (a) Category 3 threat to water quality, defined as, "Those discharges of waste that could degrade water quality without violating water quality objectives, or could cause a minor impairment of designated beneficial uses as compared with Category 1 and Category 2."
- (b) Category C complexity, defined as, "Any discharger for which waste discharge requirements have been prescribed pursuant to Section 13263 or the Water Code not included in Category A or Category B as described above. Included are dischargers having no waste treatment systems or that must comply with best management practices, dischargers having passive treatment and disposal systems, or dischargers having waste storage systems with land disposal."

39. Water Code section 13267(b) provides that: "In conducting an investigation specified in subdivision (a), the Regional Board may require that any person who has discharged, discharges, or is suspected of having discharge or discharging, or who proposed to discharge within its region, or any citizen or domiciliary, or political agency or entity of this state who had discharged, discharges, or is suspected of having discharged or discharging, or who proposed to discharge waste outside of its region that could affect the quality of the waters of the state within its region shall furnish, under penalty of perjury, technical or monitoring program reports which the board requires. The burden, including

costs of these reports, shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports.

40. The technical reports required by this Order and the attached "Monitoring and Reporting Program No. R5-2014-XXXX" are necessary to assure compliance with these waste discharge requirements. The Discharger owns and operates the facility that contains the waste subject to this Order.

PROCEDURAL REQUIREMENTS

41. All local agencies with jurisdiction to regulate land use, solid waste disposal, air pollution, and to protect public health have approved the use of this site for the discharges of waste to land stated herein.
42. The Central Valley Water Board notified the Discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge, and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
43. The Central Valley Water Board, in a public meeting, heard and considered all comments pertaining to the discharge.
44. Any person aggrieved by this action of the Central Valley Water Board may petition the State Water Board to review the action in accordance with Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date that this Order becomes final, except that if the thirtieth day following the date that this Order becomes final 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] or will be provided upon request.

IT IS HEREBY ORDERED, pursuant to California Water Code sections 13263 and 13267, that Order No. 99-071 is rescinded, and that Imerys Talc Vermont, Inc. their agents, successors, and assigns, in order to meet the provisions of Division 7 of the California Water Code and the regulations adopted thereunder, shall comply with the following:

A. PROHIBITIONS

1. The discharge of 'hazardous waste' is prohibited. For the purposes of this Order, the term 'hazardous waste' is as defined in California Code of Regulations, Title 23, section 2510 et seq.

2. The discharge of solid waste or liquid waste to surface waters, surface water drainage courses, or groundwater is prohibited.
3. The discharge of wastes outside of a waste management unit or portions of a waste management unit specifically designed for their containment is prohibited.
4. The Discharger shall comply with all General Provisions listed in Section III of the Standard Provisions and Reporting Requirements; Mining Wastes dated February 2009 (SPRRs).

B. DISCHARGE SPECIFICATIONS

1. The discharge shall not cause a condition of pollution or nuisance as defined by the Water Code section 13050.
2. All wells within 500 feet of the unit shall have sanitary seals or shall be properly abandoned. A record of the sealing and/or abandonment of such wells shall be sent to the Central Valley Water Board and to the State Department of Water Resources.
3. The Discharger shall comply with all Discharge Specifications listed in Section V of the SPRRs dated February 2009.

C. FACILITY SPECIFICATIONS

1. Annually, prior to the anticipated rainy season but no later than **31 October**, any necessary construction, maintenance, or repairs of precipitation and drainage control facilities shall be completed and reported in compliance with MRP No. R5-2014-XXXX.

Group B Mining Waste Unit

2. There is no history of the waste management unit discharging leachate and the unit is not expected to discharge in the future. The **Leachate Production Rate (LPR)** for the Group B WMU sump is **1gpd** or 10 gallons over a 30-day period. If leachate generation in the LCRS of the Class II waste pile exceeds the LPR, the Discharger shall:
 - (a) Immediately notify Central Valley Water Board staff by telephone and email.
 - (b) Submit written notification within seven days from the time the exceedance is detected, that includes a time schedule to prevent generation of leachate.
3. The Discharger shall comply with all Facility Specifications listed in Section VI of the SPRRs dated February 2009.

D. DESIGN AND CONSTRUCTION SPECIFICATIONS

1. Containment structures and precipitation and drainage control systems shall be constructed and maintained to prevent, to the greatest extent possible, inundation, erosion, slope failure, and washout under 1,000-year, 24-hour precipitation conditions.
2. Waste management units shall be designed, constructed and operated to prevent inundation or washout due to flooding events with a 100-year return period.
3. Materials used to construct liners shall have appropriate physical and chemical properties to ensure containment of discharged wastes over their operating life.
4. Materials used to construct LCRSs shall have appropriate physical and chemical properties to ensure the required transmission of leachate over the post-closure maintenance period.
5. LCRS shall be maintained to collect twice the anticipated daily volume of leachate generated by the waste containment unit and to prevent the buildup of hydraulic head at any time.
6. The Discharger shall comply with all Construction Specifications listed in Section VII of the SPRRs dated February 2009.

E. FINANCIAL ASSURANCE

1. By **1 June 2015**, pursuant to Title 27 Section 22207, the Discharger shall submit a report showing that it has established an irrevocable \$150,000 **closure fund** with the Central Valley Water Board named as beneficiary to ensure post-closure maintenance of the Class II Group B mining waste containment unit in accordance with the cost estimate in the ROWD. The financial assurances mechanism shall be one listed in Title 27 Section 22228 for which the Discharger is eligible. For financial assurance mechanisms requiring funding, the Discharger shall either fully fund the mechanism by 1 June 2014 or may propose a payment schedule. If the Discharger proposes a payment schedule to fund the mechanism, it shall submit a report by **1 June 2016** showing that the mechanism is fully funded. For financial assurance mechanisms not requiring funding, such as a Guarantee, the Discharger shall submit a report showing the mechanism is in place by **1 June 2015**.
2. By **1 June 2015**, pursuant to Title 27 Section 22222, the Discharger shall submit a report showing that it has established an irrevocable \$25,000 **corrective action fund** with the Central Valley Water Board named as beneficiary to ensure funds are available to address a known or reasonably foreseeable release from the Group B mining waste containment unit. The financial assurances mechanism shall be one listed in Title 27 Section 22228 for which the Discharger is eligible. For financial

assurance mechanisms requiring funding, the Discharger shall either fully fund the mechanism by 1 June 2014 or may propose a payment schedule. If the Discharger proposes a payment schedule to fund the mechanism, it shall submit a report by **1 June 2016** showing that the mechanism is fully funded. For financial assurance mechanisms not requiring funding, the Discharger shall submit a report showing the mechanism is in place by **1 June 2015**.

3. By **1 June** of each year, the Discharger shall submit a report to the Central Valley Water Board that reports the balance of both the closure and corrective action funds or the amounts of the Guarantees and the adjustments to account for inflation in accordance with Title 27 Section 22236.
4. The Discharger shall comply with all Financial Assurance Provisions listed in Section IV of the SPRRs dated February 2009.

F. MONITORING SPECIFICATIONS

1. The Discharger shall comply with the detection monitoring program provisions of Title 27 for groundwater and surface water and in accordance with Monitoring and Reporting Program (MRP) No. R5-2014-XXXX, and the Provisions for Monitoring listed in Section IX of the SPRRs dated February 2009.
2. The Discharger shall, for any waste management unit in a corrective action monitoring program, comply with the corrective action monitoring program provisions of Title 27, MRP No. R5-2014-XXXX and the Provisions for Monitoring listed in Section IX of the SPRRs dated February 2009.
3. The Discharger shall comply with the Water Quality Protection Standard as specified in this Order, MRP No. R5-2014-XXXX, and the SPRRs dated February 2009.
4. The concentrations of the constituents of concern in waters passing the Point of Compliance (defined pursuant to Title 27, section 20164 as a vertical surface located at the hydraulically down gradient limit of the waste management unit that extends through the uppermost aquifer underlying the unit) shall not exceed the concentration limits established pursuant to MRP No. R5-2014-XXXX.
5. For each monitoring event, the Discharger shall determine whether the waste management unit is in compliance with the Water Quality Protection Standard using procedures specified in MRP No. R5-2014-XXXX and the Provisions for Monitoring listed in Section IX of the SPRRs dated February 2009.
6. The Discharger shall comply with all Provisions for Monitoring, and Response to a Release specification, as listed in Sections IX and X of the SPRRs dated February 2009.

G. PROVISIONS

1. The Discharger shall comply with the Standard Provisions and Reporting Requirements, dated February 2009, which are attached hereto and made part of this Order by reference. The Standard Provisions and Reporting Requirements contain important provisions and requirements with which the Discharger must comply. A violation of any of the Standard Provisions and Reporting Requirements is a violation of these waste discharge requirements.
2. Pursuant to Water Code section 13267, the Discharger shall comply with Monitoring and Reporting Program No. R5-2014-XXXX, which is attached to and made part of this Order. This compliance includes, but is not limited to, maintenance of waste containment facilities and precipitation and drainage controls and monitoring groundwater, the unsaturated zone, and surface waters throughout the active life of the waste management units and any applicable post-closure maintenance period. A violation of Monitoring and Reporting Program No. R5-2014-XXXX is a violation of these waste discharge requirements.
3. The Discharger shall not discharge waste to any mining waste management unit at this site.
4. The Discharger shall maintain a copy of this Order at the facility and make it available at all times to facility operating personnel, who shall be familiar with its contents, and to regulatory agency personnel.
5. The Discharger shall comply with all applicable provisions Title 27 that are not specifically referred to in this Order.
6. The Discharger shall, in a timely manner, remove and relocate any wastes discharged at this facility in violation of this Order and of the California Water Code.
7. The Discharger shall immediately notify the Central Valley Water Board of any flooding, equipment failure, slope failure, or other change in site conditions which could impair the integrity of waste or leachate containment facilities or precipitation and drainage control structures.
8. In the event of any change in control or ownership of the facility or disposal areas, the Discharger must notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be immediately forwarded to this office. To assume operation as Discharger under this Order, the succeeding owner or operator must apply in writing to the Executive Officer requesting transfer of the Order. The request must contain the requesting entity's full legal name, the state of incorporation if a corporation, the name and address and telephone number of the persons responsible for contact with the Central Valley Water Board, and a statement. The statement shall comply with the signatory paragraph of Reporting Requirement VIII.5.d in the Standard

Provisions and Reporting Requirements and state that the new owner or operator assumes full responsibility for compliance with this Order. Failure to submit the request shall be considered a discharge without requirements, a violation of the California Water Code. Transfer shall be approved or disapproved by the Executive Officer.

9. All technical reports required herein that involve planning, investigation, evaluation, or design, or other work requiring interpretation and proper application of engineering or geologic sciences, shall be prepared by or under the direction of persons registered to practice in California pursuant to California Business and Professions Code sections 6735, 7835, and 7835.1. As required by these laws, completed technical reports must bear the signature(s) and seal(s) of the registered professional(s) in a manner such that all work can be clearly attributed to the professional responsible for the work.
10. The following reports shall be submitted pursuant to Section 13267 of the California Water Code and shall be prepared by a California-registered civil engineer or certified engineering geologist:

<u>Required Reports</u>	<u>Compliance Date</u>
A. Groundwater Monitoring System Propose Water Quality Protection Standards for new monitoring wells.	30 March 2017
B. Leachate Drain Accurately measure leachate production.	1 November 2014
C. Revised Sample Collection and Analysis Plan Submit a revised Sample Collection and Analysis plan.	1 August 2014

11. In the event of any change in ownership of this waste management facility, the Discharger shall notify the succeeding owner or operator in writing of the existence of this Order. A copy of that notification shall be sent to the Central Valley Water Board.
12. The Central Valley Water Board will review this Order periodically and may revise requirements when necessary.

13. This Order shall take effect upon the date of adoption.

14. The Discharger shall comply with all Reporting Requirements listed in Section VIII of the SPRRs dated February 2009.

I, PAMELA C. CREEDON, 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, Central Valley Region, on _____.

PAMELA C. CREEDON, Executive Officer

RDA/WMH