CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION

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MONITORING & REPORTING PROGRAM R8-2024-0036

ORDER INFORMATION

ORDER TYPE:	Monitoring & Reporting Program (MRP)
STATUS:	ADOPTED
PROGRAM:	Title 27 Discharges to Land
DISCHARGER:	County of San Bernardino, Division of Solid Waste Management
FACILITY:	Colton Sanitary Landfill
ADDRESS:	850 Tropica Rancho Road, Colton, California 92324
COUNTY:	San Bernardino County
GEOTRACKER ID:	L10003692464

CERTIFICATION

I, JAYNE JOY, Executive Officer, hereby certify that the following is a full, true, and correct copy of the order adopted by the California Regional Water Quality Control Board, Santa Ana Region, on 25 October 2024.

Jayne Joy
Digitally signed by Jayne Joy
Date: 2024.11.07 16:27:13 -08'00'

JAYNE JOY
Executive Officer

PREFACE

Adopted by the California Regional Water Quality Control Board, Santa Ana Region (Santa Ana Water Board) pursuant to Water Code section 13267, subd. (b)(1), this Order establishes a Monitoring and Reporting Program (MRP) for San Bernardino County, Division of Solid Waste Management (Discharger), which owns and maintains the Colton Sanitary Landfill (CSL). Additional information regarding CSL is set forth in the enumerated findings of Waste Discharge Requirements, Order R8-2024-0036 (Order). Except as otherwise provided in the following MRP, these findings are incorporated herein.

The MRP also contains supplemental findings related to monitoring and reporting activities, and/or Facility conditions. For the purposes of California Code of Regulations, Title 27 (Title 27) (e.g., sections 21720, 20380-20435), the findings and provisions of this Order are conversely incorporated as part of the WDRs Order as well.

Although adopted with the WDRs Order, this is a separate order subject to subsequent revision by the Executive Officer in accordance with delegated authority per Water Code section 13223. For the purposes of Title 27, such revisions shall be automatically incorporated as part of the WDRs Order.

REQUIREMENTS

IT IS HEREBY ORDERED, pursuant to Water Code section 13267, that the Discharger shall comply with the following.

A. WATER QUALITY PROTECTION STANDARD

1. **Components** – In accordance with Title 27, sections 20390-20405, the Water Quality Protection Standard (WQPS) for CSL shall consist of a list of Constituents of Concern (COCs), Concentration Limits for each COC, a Point of Compliance, and all designated Monitoring Points. These components of the WQPS shall be established in accordance with the procedures described in this section.

2. **Constituents of Concern (COCs)** – As of the date of this MRP, the COCs for CSL shall consist of those constituents listed in Appendix II of 40 CFR part 258 and listed in Attachment A.

3. **Concentration Limits** – The concentration limits for the COCs and any given constituent in a given monitored medium (e.g., uppermost aquifer) are either the natural background level, the laboratory Reporting Limit (RL) or the Practical Quantitation Limit (PQL) for the constituent as follows:

    a. If the constituent naturally exists in the monitored medium (e.g., total dissolved solids [TDS]), or has been demonstrated to

have originated off-site, the limit shall be the value determined using a valid and appropriate statistical procedure based on a minimum of eight background data points (Title 27, section 20415, subd. (e)(10).)

b. If the constituent does not naturally exist in the monitored medium (e.g., a volatile organic compound [VOC]), the laboratory RL/PQL shall be the limit.

4. **Point of Compliance Wells** – In accordance with Title 27, section 20405, the Points of Compliance (POC) where the WQPS applies shall be a vertical surface, located at the hydraulically downgradient limit of each WMU, that extends through the uppermost aquifer. Due to the nature of the hydrogeology at the site, for CSL, the POC shall include all of the monitoring wells listed in TABLE 1 and indicated on the MRP SITE MAP.

5. **Duration of Application** – The WQPS shall apply during the active life of the landfill, the closure period, the post-closure maintenance period, and during any other compliance period. (Title 27, §20410.)

B. MONITORING PROGRAM

1. **Groundwater and Surface Water Quality Monitoring** – The Discharger shall conduct the following groundwater monitoring activities at the Landfill:

a. **Monitoring Points –** Monitoring shall be conducted on a semi-annual basis at all groundwater monitoring wells, piezometers (see **TABLE 1** and **Figure 1**), and surface water monitoring locations.

b. **Semi-Annual Monitoring –** On a semi-annual basis, water samples shall be collected from the monitoring points specified in B.1.a above (and any additional monitoring points subsequently installed at the site) and analyzed for the constituents listed in **Table 3** herein and any additional constituents in the Table of Detected Constituents (see F.3.d.) not otherwise specified in **Table 3**. Analytical monitoring data generated from these monitoring activities shall be evaluated in accordance with **Section C** (Data Analysis Methodology) of this MRP.

c. **Five-Year Evaluation Monitoring Event –** Every 5 years, continuing in 2025, alternately in the Summer (by Sept. 30) and Winter (by March 31), the Discharger shall collect water samples from all ground water monitoring wells, surface water monitoring

locations, and seeps, and analyze these samples for all of the constituents listed in **Tables 3-5** herein. Analytical monitoring data generated from these monitoring activities shall be evaluated in accordance with **Section C** (Data Analysis Methodology) and results shall be reported in accordance with **Section F** (Reporting).

2. **Landfill Gas Monitoring** – Monitoring of landfill gas (LFG) shall be conducted at a frequency in accordance with South Coast Air Quality Management District requirements. Samples shall be collected from all LFG monitoring probes associated with CSL and analyzed in accordance with South Coast Air Quality Management District requirements. Results from all LFG monitoring events shall be reported in tabulated form in the Semi-Annual Monitoring Report for each monitoring period (See Table 2).

3. **Landfill Gas Condensate Monitoring** – Monitoring shall be conducted on an annual basis at all landfill gas condensate monitoring points. Samples shall be collected annually from these monitoring points and analyzed for all constituents listed in Tables 3-5 herein. Analytical monitoring data generated from these monitoring activities shall be evaluated in accordance with Section C (Data Analysis Methodology). If there are any newly detected constituents at levels above the reporting limit in samples collected from one or more of these monitoring points, the subject monitoring points must be re-sampled and retested. Results from this retest must be evaluated in relation to the initial results for the purpose of verification.

4. **Additional Monitoring Constituents** – Based upon analysis of monitoring results, the Water Board's Executive Officer may require that additional constituents be regularly monitored in addition to the constituents identified above and that monitoring samples must be analyzed for these constituents on a regular basis.

5. **USEPA SW-846** – Sample collection, storage, and analysis shall be performed in accordance with the most recent version of standard U.S. Environmental Protection Agency (USEPA) Methods (USEPA Publication "SW-846"), and in accordance with a sampling and analysis plan acceptable to the Executive Officer of the Water Board.

6. **State-Approved Laboratory** – Laboratory water quality analyses must be performed by a State of California-approved laboratory and specific analytical methods must be identified. In addition, the Discharger is responsible for ensuring that laboratory analyses of samples from all monitoring points are performed in accordance with the following requirements:

   a. **Appropriate Analytical Methods and Detection Limits** – The methods of analysis and the detection limits used must be appropriate for the expected concentrations. For detection monitoring of any constituent or parameter that is found in concentrations which produce more than 90 percent non-numerical determinations (i.e., Trace or ND determinations) in historical data for that medium, the SW-846 analytical method having the lowest Method Detection Limit (MDL) shall be selected.

   b. **Derivation of MDL and PQL –** MDL and PQL shall be derived by the laboratory for each analytical procedure, according to State of California laboratory accreditation procedures. Both limits shall reflect the detection and quantitation capabilities of the specific analytical procedure and equipment used by the laboratory. If the laboratory suspects that, due to a change in matrix or other effects, the true detection limit or quantitation limit for a particular analytical run differs significantly from the laboratory-derived values, the results shall be flagged accordingly, and an estimate of the limit actually achieved shall be included.

   c. **Reporting of Trace Results –** Trace results (i.e., compounds detected at levels between the MDL and the PQL) for organic compounds shall be reported as such.

   d. **Identify and List MDL and PQL –** For each constituent monitored during a given reporting period, the Discharger shall include in the monitoring report the prevailing MDL and PQL for each constituent. The Discharger shall require the analytical laboratory to report censored data (trace level and non-detect determinations).

   e. **Report Quality Assurance/Quality Control (QA/QC) Data –** Quality assurance and quality control (QA/QC) data shall be reported along with the sample results to which it applies. Sample results shall be reported unadjusted for blank results or spike recovery. The QA/QC data submittal shall include:

i. The method, equipment, and analytical detection limits.

ii. The recovery rates, including an explanation for any recovery rate that is outside the USEPA-specified recovery rate.

iii. The results of equipment and method blanks.

iv. The results of spiked and surrogate samples.

v. The frequency of quality control analysis.

vi. The name and qualifications of the person(s) performing the analyses.

f. **Indicate Detection of Laboratory Contaminants –** QA/QC analytical results involving detection of common laboratory contaminants in any sample shall be reported and flagged for easy reference.

7. **Groundwater Level, Elevation, and Flow Direction** – The Discharger shall measure the water level and determine the groundwater elevation in each groundwater monitoring well and piezometer semi-annually and determine the presence and character of horizontal and vertical gradients (if applicable), and groundwater flow rate and direction for the respective groundwater body.

C. DATA ANALYSIS METHODOLOGY

1. **Background Wells, Compliance Wells, Piezometers, and Landfill Gas Probes** – Analytical monitoring data generated from analysis of groundwater samples from Background Wells, Compliance Wells, Piezometers, and Landfill Gas Probes shall be evaluated as follows:

a. Monitoring data for **Table 3** organic constituents shall be evaluated using non-statistical data analysis methods, including time-series concentration plots to determine whether there is measurably significant evidence of a release from CSL. These analyses shall include a minimum of ten years of data.

b. Monitoring data for **Table 3** inorganic constituents shall be evaluated using statistical data analysis methods and/or appropriate non-statistical data analysis methods as specified in Title 27, section 20415, subd. (e)(8) to determine whether there is measurably significant evidence of a release from CSL.

c. Monitoring data for constituents listed on **Table 3** as Field Parameters, General Chemistry, and Dissolved Metals shall be evaluated as needed to provide water quality characterization regarding hydrogeochemical conditions and to assist in making determinations regarding measurably significant evidence of a release from CSL or other changes in site conditions.

d. On an annual basis, all **Table 3** constituents that have been detected in a groundwater sample three or more times during the previous five years shall be evaluated using time-series concentration plots, which shall include all historical data for the detected constituents.

e. Monitoring data for **Table 4** Organic Constituents, which includes Chlorinated Herbicides, Organochlorine Pesticides, and Semi-Volatile Organic Compounds, generated as part of a Five-Year Evaluation Event pursuant to Section B.1.c. above shall be evaluated using non-statistical data analysis methods to determine whether there is measurably significant evidence of a release from CSL.

f. Monitoring data for **Table 4** inorganic constituents, including but not limited to metals, cyanide, and sulfide, which are generated as part of a Five-Year Evaluation Event pursuant to Section B.1.c. above shall be evaluated using statistical data analysis methods and/or non-statistical data analysis methods as specified in Title 27, section 20415, subd. (e)(8) to determine whether there is measurably significant evidence of a release from CSL.

g. In evaluating the results of a Five-Year Evaluation Event (Event), all **Table 4** constituents that have been detected during an Event shall be evaluated using appropriate data analysis methods, which shall include all historical data for the detected constituents as appropriate.

2. **Landfill Gas Condensate** – Analytical monitoring data generated from analysis of landfill gas condensate samples shall be evaluated as follows:

a. Monitoring data for all organic constituents shall be evaluated for presence or absence in samples and for comparison with constituents listed on the **Table of Detected Constituents** (see F.3.d.).

b. If any previously undetected constituents are detected at or above PQLs in gas condensate at any sampling point, the Discharger shall resample the condensate at that sampling point during the following April and analyze the sample for those newly detected constituents. If any such constituent is confirmed in the gas condensate, the Discharger shall add the constituent to the current **Table of Detected Constituents** (see F.3.d) and report this to Water Board staff within two weeks of the confirmation. During all subsequent monitoring events, the Discharger shall analyze all water samples for any newly detected VOCs detected at or above PQLs and confirmed by a retest.

c. Monitoring data for all inorganic constituents shall be evaluated for comparison with groundwater monitoring data and shall also be evaluated using statistical data analysis methods and/or non-statistical data analysis methods approved by the Executive Officer to evaluate trends and to determine whether there is increasing concentrations of inorganic constituents.

d. Monitoring data for all constituents on **TABLE 3** Field Parameters, General Chemistry, and Dissolved Metals shall be evaluated to provide water quality characterization in relation to hydrogeological conditions, to indications of a release, or to changes in other site conditions.

3. **Measurably Significant Evidence of Release of TABLE 3 and TABLE 4 Organic Constituents at Groundwater Monitoring Wells and Piezometers** – Measurably significant evidence of release of an organic constituent to groundwater at a Groundwater Monitoring Well or Piezometer will be tentatively determined to have occurred if analysis of groundwater samples from any well indicates that, pursuant to the applicable data analysis method (including its corresponding trigger), there has been a significant change in Monitoring Point data relative to the reference background value (or other approved reference value or distribution).

4. **Measurably Significant Evidence of Release of TABLE 3 and TABLE 4 Inorganic Constituents at Groundwater Monitoring Wells and Piezometers** – Measurably significant evidence of release of inorganic constituents to groundwater at a Groundwater Monitoring Well or Piezometer will be tentatively determined to have occurred when the concentration of any inorganic constituent in a groundwater sample collected from a Background Well, Compliance Well, or Piezometer is determined to be significantly above a statistically calculated limit such as, but not limited to, an intra-well prediction limit. In assessing a tentative

release, analytical data should also be evaluated using trend analyses, historical constituent concentration ranges, and background concentrations in the determination process.

D. CONTINGENCY RESPONSES

1. **Retest for Measurably Significant Evidence of a Release** – If previously undetected measurably significant evidence of release is indicated in a groundwater monitoring well or piezometer per Section C above, the Discharger shall immediately notify the Water Board and shall collect additional groundwater samples from the subject well within 30 days of the notification (unless laboratory contamination is suspected). The additional groundwater samples shall be tested in a laboratory only for the constituent(s) detected in the previous sample that indicated measurably significant evidence of a release. If analysis of the monitoring data for the additional sample also indicates measurably significant evidence of a release, these results shall serve as verification that such a release has occurred.

2. **Optional Demonstration** – If measurably significant evidence of a release is verified per Section D.1. above, but is believed to be derived from off-site sources or due to natural changes in water chemistry, the discharger may propose to demonstrate that the landfill is not the cause of the release in accordance with Title 27, section 20420, subd. (k)(7).

3. **Response to Verified Evidence of a Release** – If measurably significant evidence of a release is verified per Section D.1. above, and it is determined that the landfill is the cause of the release, then the discharger shall:

    a. Implement those response actions described in Title 27, section 20420, subd. (k)(1)-(6), and

    b. Implement an Evaluation Monitoring Program (EMP) pursuant to Title 27, section 20425.

4. **Implementation of Corrective Action Program** – If the Water Board determines that the Discharger has satisfactorily implemented and completed the EMP release response actions described above, the Discharger shall implement a Corrective Action Program (CAP) pursuant to Title 27, section 20430, based upon results of the EMP and other monitoring activities.

5. **Table of Detected Constituents** – Any previously undetected constituent that is detected in samples collected from a groundwater monitoring well,

piezometer, or gas condensate sampling point and confirmed per the requirements of Section D.1. above, shall be automatically and immediately added to the Table of Detected Constituents (section F.3.d.) for CSL. The newly updated Table of Detected Constituents (indicating the newly added constituent[s]) shall be submitted by the Discharger to the Water Board within 14 days following the addition of any new constituent to the Table. This constitutes the means by which the Discharger shall meet the requirements of 40 Code of Federal Regulations part 258.55, subd. (d)(1).

6. **Physical Evidence of a Release** – If either the Discharger or the Water Board determines that there is significant physical evidence of a release pursuant to Title 27, section 20385, subd. (a)(3) and Section E.1. herein, the Discharger shall conclude that a release has been discovered and shall:

   a. Within 7 days notify Water Board staff of this fact by email (or acknowledge the Water Board's determination);

   b. Carry out the requirements of release discovery response in Section D.3. above, for all potentially affected monitored media.

   c. Carry out any additional investigations stipulated in writing by Water Board staff for the purpose of identifying the cause of the indication.

7. **Release Beyond Facility Boundary** – Any time the Discharger concludes that a release from CSL has proceeded beyond the facility boundary, the Discharger shall so notify all persons who either own or reside upon the land that directly overlies any part of the plume (Affected Persons) as follows:

   a. Initial notification to Affected Persons shall be accomplished within 14 days of making this conclusion and shall include a description of the Discharger's current knowledge of the nature and extent of the release.

   b. Subsequent to initial notification, the Discharger shall provide updates to all Affected Persons, including any persons newly affected by a change in the boundary of the release, within 14 days of concluding there has been any material change in the nature or extent of the release.

   c. Each time the Discharger sends a notification to Affected Persons (under Section D.7.a. or Section D.7.b. above), it shall, within 7 days of sending such notification, provide Water Board staff with,

and add into the Facility's operating record, both a copy of the notification and a current mailing list of Affected Persons.

8. **Liquid Waste Spill** – The Discharger shall notify Water Board staff by telephone or electronic mail within 24 hours (or one business day) of the discovery of any liquid waste spill in the WMU area. A written report shall be filed with Water Board staff within 7 days, containing at least the following information:

    a. **Map –** A map showing the location(s) of the discharge.

    b. **Flow Rate –** An estimate of the flow rate of the discharge.

    c. **Description –** A description of the nature and extent of the discharge (e.g., all pertinent observations and analysis).

    d. **Sampling –** A description of any sample(s) collected for laboratory analysis and a copy of the analytical results of the sample.

    e. **Corrective Measures –** A description of the corrective measure(s) implemented, and any proposed mitigation measures for approval by Water Board staff.

9. **Facility Failure** – The Discharger shall notify Water Board staff by telephone and/or email within 48 hours (or two business days) of any slope failure or failure of facilities necessary to maintain compliance with the requirements in this Order. Within seven days, the notification shall be submitted in writing to Water Board staff. Any failure that threatens the integrity of the waste containment features or the landfill shall be promptly corrected after a remediation workplan and schedule have been approved by Water Board staff, unless it poses an immediate threat to the environment or landfill containment structures, in which case it shall be corrected as soon as possible.

10. **Leachate Seep** – The Discharger shall immediately notify Water Board staff by telephone and/or email within 48 hours (or two business days) following the discovery of any seepage from, or soil staining, at the site. If feasible, a sample of the leachate shall be collected for analysis. A written report shall be filed with Water Board staff within 7 days, containing at least the following information:

    a. **Map –** A map showing the location(s) of seepage;

    b. **Flow rate –** An estimate of the flow rate or volume;

c. **Description –** A description of the location, size, and nature of the discharge (e.g., all pertinent observations and analyses);

d. **Corrective Measures –** Measures proposed to address any seep(s) for approval by Water Board staff (see 8.e. above);

e. **Photographs –** Photographs representing the location, extent, and detailed nature of the discharge; and,

f. **Analytical Results –** A copy of the laboratory analytical results of the seep sample shall be submitted to Water Board staff within 60 days after filing the written report.

E. GENERAL SITE MONITORING

1. **Facility and Systems Monitoring** – The Discharger shall regularly inspect and evaluate CSL facility and associated systems to determine their condition and effectiveness, and to ascertain whether significant physical evidence of a release has occurred. Significant physical evidence of a release includes unexplained stress in biological communities, unexplained changes in soil characteristics, visible signs of leachate migration, and unexplained water table mounding beneath or adjacent to the site and any other change to the environment that could reasonably be expected to be the result of a release from the facility and associated systems. These regular inspections and evaluations shall include the following:

   a. Monthly, the Discharger shall inspect CSL and shall evaluate its condition and effectiveness in achieving compliance with the WDRs. All areas of slope failure, differential settlement, fissuring, erosion, ponding, leachate staining, and seepage into or from CSL shall be identified, field-marked, and documented. All such field conditions and events shall be photographed for the record. In the event seepage is discovered, the Discharger shall implement the response actions described in Section D.10. above.

   b. At a minimum, all systems such as landfill gas collection, landfill gas condensate collection, and groundwater extraction systems shall be inspected and evaluated on a monthly basis for their condition and effectiveness. All deficiencies identified and the dates and types of corrective action taken shall be recorded in a permanent log. All deficiencies shall be documented for the record. The volume of liquids collected in the containment structures shall be recorded monthly. Liquid samples, such as landfill gas condensate and leachate, shall be collected in accordance with the

monitoring frequency in **Table 2**, and analyzed in accordance with Section B herein.

c. All run-on and runoff drainage control structures shall be inspected and evaluated quarterly, at a minimum, for their condition and effectiveness in achieving compliance with Drainage and Erosion Control specifications D.1 and D.2 of the WDRs. During dry weather conditions, the condition and effectiveness of the drainage control system shall be evaluated on the basis of its conformance to the as-built drawings, or revised drawings, for the system. All deficiencies shall be identified, repaired, and recorded.

2. **Five-Year Aerial or Ground Survey** – To ensure adequate drainage and erosion control at CSL in accordance with Drainage and Erosion Control Specifications D.1 and D.2 of the WDRs, an aerial or ground survey of the landfill facility shall be performed every five years by December 31 of each survey year in accordance with the schedule in Table 2 of this MRP. The Discharger shall notify Water Board staff if performance of the aerial photogrammetric survey cannot be achieved by the December 31 deadline due to bad weather conditions or bad visibility.

F. REPORTING

1. **Quarterly and Annual Subtitle D Reports** – The Discharger shall submit quarterly monitoring reports to the Water Board summarizing results and findings of facility and systems monitoring, and facility activities for the previous monitoring period. The quarterly summary reports are due to the Water Board within 30 days following the end of the monitoring period. In addition, the quarterly report for the fourth quarter of each year shall serve as an annual report and in addition to quarterly totals, shall include yearly total quantities for each of the respective wastes and materials described below. At a minimum, the following information shall be included in quarterly and annual reports as appropriate:

   a. **Field Inspection Records –** Monthly field inspection records for Waste Management Units and statements describing the condition and performance of these units.

   b. **Landfill Gas Condensate Containment Systems and Seeps –** A summary of the results of inspecting and evaluating the landfill gas condensate monitoring, collection, and control facilities as required in Section E.1.b. herein. In addition, the reports shall include monthly field inspection records and monitoring data for the systems listed above and statements describing the condition and performance of these systems.

c. **Drainage and Erosion Control Systems –** Quarterly field inspection records and monitoring data for these systems and statements describing the condition and performance of these systems.

d. **Management of Liquids** – A summary of the total volumes, on a monthly, quarterly, and annual basis, of landfill gas condensate collected at the site, and how these liquids are managed.

2. **Semi-Annual Monitoring Reports** – The Discharger shall submit semi-annual monitoring reports to the Water Board summarizing groundwater, surface water, and LFG monitoring activities for the previous monitoring period. The semi-annual summary reports are due to the Water Board within 30 days following the end of the monitoring period. The semi-annual report for the Fall/Winter monitoring period may be combined with the annual water quality monitoring report (per section F.3. below). Semi-annual monitoring reports shall include the following:

a. **Well Information –** For each monitoring well and piezometer addressed by the report, a description of the method and time of water level measurement, and a description of the method of purging used to remove stagnant water in the well before sampling, pursuant to Title 27, section 20415, subd. (e)(12)(B);

b. **Seeps and Landfill Gas Probes –** The report shall include a description of other monitoring activities that occurred during the monitoring period including monitoring of seeps and landfill gas probes. A tabulated summary of analytical results from these activities shall also be included in the report;

c. **Groundwater Elevations and Contours –** For each monitoring point addressed by the report, a tabular summary and graphical presentation of all measured groundwater elevation data, and a groundwater elevation contour map, showing the direction of groundwater flow under/around CSL based upon water level elevations measured for the monitoring period;

d. **Sampling Information –** For each monitoring point addressed by the report, field sampling records showing the type of pump or other device used and its vertical placement for sampling, and a detailed description of the sampling procedures (number and description of the samples, field blanks, travel blanks, and duplicate samples taken, the type of containers and preservatives used, the date and time of sampling, the name(s) and qualifications of the person(s) taking the samples, and any other observations);

e. **Analytical Data and Results –** The report shall include a summary of all analytical monitoring results. Data shall be summarized and presented in a tabular format. Statistical and non-statistical analyses of the analytical data shall be presented. An evaluation and interpretation of the data analyses shall also be included. A copy of the laboratory analytical results shall be included.

f. **QA/QC Summary and Evaluation –** The report shall include a summary describing laboratory and field QA/QC activities performed as part of monitoring activities. The summary shall include a discussion of any water sampling and monitoring activities that deviated from the sampling and quality assurance plans.

g. **Compliance Record Discussion –** A comprehensive discussion of the compliance record, and of any corrective actions taken or planned which may be needed to bring the Discharger into full compliance with the landfill's waste discharge requirements relating to water quality issues;

h. **Tabulation of All Monitoring Data –** All analytical monitoring data obtained during the two previous semi-annual reporting periods shall be presented in tabular form in each semi-annual summary report.

i. **Uploading Data to GeoTracker –** All analytical monitoring data obtained during each semi-annual monitoring period shall be uploaded electronically onto the State’s database (GeoTracker) within one month following the submittal of each semi-annual monitoring report to the Water Board.

j. **Conclusions** – Each report shall include a summary of any relevant conclusions regarding the findings and results of monitoring activities that were conducted during the monitoring period.

3. **Annual Summary Monitoring Report** – The Discharger shall submit an annual report to the Water Board covering the previous monitoring year (April 1 of the previous year through March 31 of the following year). Annual summary monitoring reports are due on April 30. This report may be combined with the semi-annual monitoring report for the period ending March 31, and shall include, but not be limited to, the following:

a. **Monitoring Activities** – A summary of monitoring activities that were completed during the monitoring period shall be included in the Annual Summary Monitoring Report. This summary shall

include a description of all monitoring activities, identification of all monitoring dates and monitoring points, and description(s) of any unusual or anomalous occurrences related to monitoring activities.

b. **Compliance Record Discussion** – A comprehensive discussion of the compliance record, and of any corrective actions taken or planned which may be needed to bring the Discharger into full compliance with the landfill's waste discharge requirements relating to water quality issues;

c. **Summary of Changes** – A written summary of monitoring results and monitoring and control systems, indicating any changes made or observed since the previous annual report;

d. **Table of Detected Constituents –** Each Annual Summary Report shall include an updated table containing any constituent that is or has been detected in samples collected from a groundwater monitoring well, piezometer, leachate, or gas condensate sampling point at the site, and confirmed per the requirements of Section D.1. herein. Annually, the Discharger shall update the constituents contained on the Table of Detected Constituents in accordance with Section D.5. herein;

e. **Table of Concentration Limits** – In each Annual Report, the Discharger shall include a table containing the concentration limits for each constituent on the COC list (see Section A.2.) in accordance with Section A.3. herein. Biannually, the Discharger shall update this Table of Concentration Limits in accordance with Section A.3;

f. **Graphical Presentation** – Graphical presentation of Groundwater Analytical Data shall be completed pursuant to Title 27, section 20415, subd. (e)(14) and shall include as necessary time-series concentration plots as described in Section C herein;

g. **Conclusions** – Each report shall include a summary of any relevant conclusions regarding the findings and results of monitoring activities that were conducted during the monitoring period.

4. **Storm Event Report** – In the event of a major storm event at the facility (defined as any storm that results in the site receiving more than 0.5 inch of precipitation within a 24-hour period), the Discharger shall submit a brief storm event report to the Water Board within 48 hours of the cessation of precipitation. This report shall include a brief description of facility systems

performance during the storm event, a tabulation of the amount of precipitation at the site, pertinent photographs, the identification of any deficiencies, and the date and type of corrective action that has, or will be, taken to correct these deficiencies if necessary.

5. **Annual Drainage Control System Maintenance Report** – Annually, by April 30, a Site Drainage Control and Maintenance Report shall be submitted. The drainage control system maintenance report shall include, but not be limited to, the following information:

   a. **Adequacy and Effectiveness** – For the previous 12 months, a summary of the adequacy and effectiveness of the drainage control system to collect and divert the calculated volume of precipitation and peak flows resulting from a 100-year, 24-hour storm.

   b. **Field Records and Inspections** – Field records and results of drainage and erosion control system inspections performed in accordance with Section E.1.c. herein.

   c. **Tabular Summary** – A tabular summary of the new and existing drainage control structures including types and completion dates of maintenance activities performed for each of these structures;

   d. **Site Map** – An 11"x17" site map indicating locations of elements listed in Section E.1.c. herein, and the flow direction of all drainage; and

   e. **Five-Year Survey Map –** A map depicting the results of the aerial or ground survey performed every five years in accordance with Provision C.11 of the WDRs and Section E.2. herein.

6. **Five-Year Evaluation Monitoring Event Report** – As described in Section B.1.c., every five years, the Discharger shall collect water samples from all groundwater monitoring wells and seeps and analyze the samples for all constituents listed on TABLE 3, TABLE 4 and TABLE 5, and submit a report to the Water Board containing the results of these activities. The results of the Five-Year Evaluation Monitoring Event must be reported to the Water Board within one month following the end of the Reporting Period. The next Five-Year Evaluation Monitoring Event and Report must be completed during 2025. Subsequent Five-Year Evaluation Monitoring Events and Reports are due every five years following submittal of the previous Five-Year Evaluation Monitoring Event and Report (i.e., 2030, 2035, 2040, etc.). This report may be combined with a Semi-Annual or Annual water quality monitoring report as appropriate, and shall include, but not be limited to, the following:

a. **Well Information** – For each monitoring well addressed by the report, a description of the method and time of water level measurement, and a description of the method of purging used to remove stagnant water in the well before sampling, pursuant to Title 27, section 20415, subd. (e)(12)(B).

b. **Other Monitored Media** – The report shall include a description of other monitoring activities that occurred during the monitoring period including monitoring of surface waters, seeps, and landfill gas probes. A tabulated summary of analytical results from these monitoring activities shall also be included in the report.

c. **Groundwater Elevations and Contours** – For each monitoring point addressed by the report, a tabular summary and graphical presentation of all measured groundwater elevation data, and a groundwater elevation contour map, showing the direction of groundwater flow under/around CSL based upon water level elevations taken for the monitoring period.

d. **Sampling Information** – For each monitoring point addressed by the report, field sampling records showing the type of pump or other device used and its vertical placement for sampling, and a detailed description of the sampling procedures (number and description of the samples, field blanks, travel blanks, and duplicate samples taken, the type of containers and preservatives used, the date and time of sampling, the name(s) and qualifications of the person(s) taking the samples, and any other observations).

e. **Analytical Data and Results** – The report shall include a summary of all analytical monitoring results. Data shall be summarized and presented in a tabular format. Statistical and non-statistical analyses of the analytical data shall be presented. An evaluation and interpretation of the data analyses shall also be included. A copy of the laboratory analytical results shall be included.

f. **QA/QC Summary and Evaluation** – The report shall include a summary describing laboratory and field QA/QC activities performed as part of monitoring activities. The summary shall include a discussion of any water sampling and monitoring activities that deviated from the sampling and quality assurance plans.

g. **Compliance Record Discussion** – A comprehensive discussion of the compliance record, and of any corrective actions taken or planned which may be needed to bring the Discharger into full compliance with the landfill's waste discharge requirements relating to water quality issues;

h. **Summary of Changes** – A written summary of monitoring results and monitoring and control systems, indicating any changes made or observed since the previous 5-Year Evaluation Monitoring Event;

i. **Graphical Presentation** – Graphical presentation of Groundwater Analytical Data shall be completed in accordance with Title 27, section 20415, subd. (e)(14) and shall include as necessary time-series concentration plots as described in Section C; and

j. **Conclusions** – Each report shall include a summary of any relevant conclusions regarding the findings and results of monitoring activities that were conducted during the monitoring period.

7. **Reporting Schedule** – The Discharger shall submit the reports and documents in accordance with the deadlines specified in TABLE 2 (Monitoring and Reporting Schedule).

ATTACHMENTS

Attachment A – Tables

TABLE 1: MONITORING LOCATIONS

TABLE 2: MONITORING AND REPORTING SCHEDULE

TABLE 3: MONITORING CONSTITUENTS

TABLE 4: MONITORING CONSTITUENTS

TABLE 5: GENERAL PARAMETERS

TABLE 6: CONCENTRATION LIMITS

ATTACHMENT B: MRP SITE MAP

ENFORCEMENT

If, in the opinion of the Executive Officer, the Dischargers fail to comply with the provisions of this Order, the Executive Officer may refer this matter to the Attorney General for judicial enforcement, may issue a complaint for administrative civil liability, or may take other enforcement actions. Failure to comply with this Order may result in the assessment of Administrative Civil Liability of up to $10,000 per violation, per day, depending on the violation, pursuant to the Water Code, including sections 13268, 13350 and 13385. The Santa Ana Water Board reserves its right to take any enforcement actions authorized by law.

ADMINISTRATIVE REVIEW

Any person aggrieved by this Santa Ana Water Board action may petition the State Water Board for review in accordance with Water Code section 13320 and California Code of Regulations, Title 23, sections 2050 et seq. To be timely, the petition must be received by the State Water Board by 5:00 pm on the 30th day after the date of this Order; if the 30th day falls on a Saturday, Sunday or state holiday, the petition must be received by the State Water Board by 5:00 pm on the next business day. The law and regulations applicable to filing petitions are available on the State Water Board website (http://www.waterboards.ca.gov/public_notices/petitions/water_quality). Copies will also be provided upon request.

ATTACHMENT A – TABLES

TABLE 1: MONITORING LOCATIONS

LOCATION ID NUMBER	LOCATION CLASSIFICATION
CL-3	POINT OF COMPLIANCE WELL
CL-5	POINT OF COMPLIANCE WELL
CL-6	POINT OF COMPLIANCE WELL
CL-9	POINT OF COMPLIANCE WELL
CL-10S	POINT OF COMPLIANCE WELL
CL-10D	POINT OF COMPLIANCE WELL
CL-1	BACKGROUND MONITORING WELL
CL-8	BACKGROUND MONITORING WELL
CL-4	PIEZOMETER (gauged) (sampled when CL-3 is dry)
COL-CONDENSATE	LANDFILL GAS CONDENSATE STATION
CL-A, CL-B	SURFACE WATER MONITORING LOCATIONS
CLP0010A, CLP0011A, CLP0011B, CLP0020A, CLP0020B, CLP0030A, CLP0035A, CLP0040A, CLP0050A, CLP0060A, CLP0070A, CLP0080A, CLP0090A, CLP0100A, CLP0110A, CLP0110B, CLP0120A, CLP0120B, CLP0120C, CLP0120D, CLP0130A, CLP0130B, CLP0130C (Quantity of probes and probe IDs may change over time due to SCAQMD requirements and facility needs)	LANDFILL GAS MONITORING PROBES

TABLE 2: MONITORING AND REPORTING SCHEDULE

TASK DESCRIPTION	MONITORING PERIOD	REPORT DUE DATE
Quarterly Subtitle D Report	October 1 – December 31 January 1 – March 31 April 1 – June 30 July 1 – September 30	January 31 of each year April 30 of each year July 31 of each year October 31 of each year
Semi-Annual Water Quality Report	October 1 – March 31 April – September 30	April 30 of each year October 31 of each year
Landfill Leachate and Gas Condensate Monitoring	October 1 – October 31	April 30 of following year
April Retesting for Leachate and Gas Condensate	April 1 – April 30 (If required)	October 31 of each year (If required)
Landfill Gas Monitoring	October 1 – March 31 April – September 30	April 30 of each year October 31 of each year
Drainage Control System Maintenance Report	By December 31 of each year	April 30 following each year
Five-year Aerial or Ground Survey and Topographic Map	By December 31 of each survey year, beginning with 2025 and every five years thereafter	April 30 following each survey year
Annual Summary and General Site Monitoring	April 1 of previous year to March 31 of current year	April 30 of each year
5-Year Monitoring Event (Table 3, Table 4, and Table 5 Constituents)	July 1 – Sept. 30, 2026 Jan. 1 – March 31, 2031	October 31, 2026 April 30, 2031

TABLE 3: MONITORING CONSTITUENTS

CATEGORY	CONSTITUENTS	
Field Parameters	Dissolved Oxygen	Temperature
	Oxidation Reduction Potential	Turbidity
	Specific Conductance	pH (field)
General Chemistry	Total Dissolved Solids (TDS)	Sulfate
	Bicarbonate Alkalinity	Chloride
	Nitrate (as N)	
Dissolved Metals	Calcium	Potassium
	Magnesium	Sodium
Volatile Organic Compounds	Acetone Acrylonitrile Benzene Bromochloromethane Bromodichloromethane Bromoform; Tribromomethane Carbon disulfide Carbon tetrachloride Chlorobenzene Chloroethane; Ethyl chloride Chloroform; Trichloromethane Dibromochloromethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane o-Dichlorobenzene; 1,2-Dichlorobenzene p-Dichlorobenzene; 1,4-Dichlorobenzene trans-1,4-Dichloro-2-butene 1,1-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethylene; 1,1-Dichloroethene cis-1,2-Dichloroethylene; cis-1,2-Dichloroethene trans-1,2-Dichloroethylene; cis-1,3-Dichloropropene 1,2-Dichloropropane; trans-1,2-Dichloroethene trans-1,3-Dichloropropene	Ethylbenzene 2-Hexanone; Methyl butyl ketone Methyl bromide; Bromomethane Methyl chloride; Chloromethane Methylene bromide; Dibromomethane Methylene chloride; Dichloromethane Methyl ethyl ketone; 2-Butanone Methyl iodide; Iodomethane 4-Methyl-2-pentanone; Methyl isobutyl ketone Styrene 1,1,1,2-Tetrachloroethane 1,1,2,2-Tetrachloroethane Tetrachloroethylene; Toluene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene; Trichloroethene Trichlorofluoromethane; CFC-11 1,2,3-Trichloropropane Vinyl acetate Vinyl chloride Xylenes

TABLE 4: MONITORING CONSTITUENTS

CATEGORY	CONSTITUENTS		
Inorganic Constituents	Arsenic Barium Beryllium Cadmium Cobalt Chromium Copper	Nickel Lead Antimony Vanadium Zinc Silver Selenium	Thallium Tin Mercury Cyanide Sulfide
Organic Constituents	PCBs (40 CFR 258; Appendix II Aroclors)	TCDD (Dioxin)	(For 5-Year Evaluation Events, groundwater samples do not need to be analyzed for TCDD unless it has been detected and confirmed in landfill -leachate or gas condensate samples)
Organic Constituents: *Chlorinated Herbicides*	2,4-Dichloro-phenoxyacetic acid	Silvex; 2,4,5-TP	2,4,5-Trichloro-phenoxyacetic acid
Organic Constituents: *Organochlorine Pesticides*	Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC; Lindane 4,4-DDD 4,4-DDE	4,4-DDT Dieldrin Endosulfan I Endosulfan II Endosulfan sulfate Endrin Chlordane	Endrin aldehyde Heptachlor Heptachlor epoxide Kepone Methoxychlor Toxaphene

CATEGORY	CONSTITUENTS		
Organic Constituents: *Semi-Volatile Organic Compounds*	Acenaphthene Acenaphthylene Acetophenone 2-Acetylaminofluorene 4-Aminobiphenyl Anthracene Benzo[a]anthracene Benzo[b] fluoranthene Benzo[k] fluoranthene Benzo[ghi) perylene Benzo[a] pyrene Benzyl alcohol Bis(2-chloroethoxy) methane Bis(2-chloroethyl) ether 2,2-oxybis(1-chloropropane) Bis(2-ethylhexyl) phthalate 4-Bromophenyl phenyl ether Butyl benzyl phthalate 4-Chloroaniline Chlorobenzilate 4-Chloro-3-methylphenol 2-Chloronaphthalene 2-Chlorophenol 4-Chlorophenyl phenyl ether Chrysene 2-methylphenol 3-methylphenol 4-methylphenol Diallate Dibenz [a,h] anthracene Dibenzofuran Di-n-butyl phthalate 3,3-Dichlorobenzidine 2,4-Dichlorophenol 2,6-Dichlorophenol Diethyl phthalate Thionazin	Dimethoate 4-Dimethylaminoazobenzene 7,12-Dimethylbenz[a]anthracene 3,3-Dimethylbenzidine; tolidine 2,4-Dimethylphenol Dimethyl phthalate 1,3-Dinitrobenzene 4,6-Dinitro-2-methylphenol 2,4-Dinitrophenol 2,4-Dinitrotoluene 2,6-Dinitrotoluene Dinoseb Di-n-octyl phthalate Diphenylamine Disulfoton Ethyl methanesulfonate Famphur Fluoranthene Fluorene Hexachlorobenzene Hexachlorobutadiene Hexachlorocyclopentadiene Hexachloropropene Hexachloroethane Indeno (1,2,3-cd) pyrene Isodrin Isophorone Isosafrole Methapyrilene 3-Methylcholanthrene Methyl methanesulfonate 2-Methylnaphthalene Methyl parathion Naphthalene 1,4-Naphthoquinone 1-Napthylamine 2-Napthylamine	2-Nitroaniline 3-Nitroaniline 4-Nitroaniline Nitrobenzene 2-Nitrophenol 4-Nitrophenol N-Nitrosodi-n-butylamine N-Nitrosodiethylamine N-Nitrosodimethylamine N-Nitrosodiphenylamine N-Nitroso-N-dipropylamine N-Nitrosomethylethylamine N-Nitrosopiperidine N-Nitrosopyrrolidine 5-Nitro-o-toluidine Parathion Pentachlorobenzene Pentachloronitrobenzene Pentachlorophenol Phenacetin Phenanthrene Phenol 4-Phenylenediamine Phorate Pronamide Pyrene Safrole 1,2,4,5-Tetrachlorobenzene 2,3,4,6-Tetrachlorophenol o-Toluidine 1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 0,0,0-Triethyl phosphorothioate 1,3,5-Trinitrobenzene

TABLE 5: GENERAL PARAMETERS

PARAMETER	USEPA METHOD
Total Cations	1
Total Anions	1
Hydroxide (OH)	2
Specific Conductance (Electrical Conductivity)	120.1
Total Hardness	130
pH	150.1
Total Dissolved Solids	160.1
Calcium (Ca)	200.7 / 215
Iron (Fe)	200.7 / 236.1
Magnesium (Mg)	200.7 / 242.1
Manganese (Mn)	200.7 / 243.1
Potassium (K)	200.7 / 258.1
Sodium (Na)	200.7 / 273.1
Zinc (Zn)	200.7 / 289.1
Boron (B)	212.3 / 200.7
Carbonate ($CaCO_3$)	310.2
Bicarbonate (HCO_3)	310.2
Total Alkalinity	310.1
Chloride (Cl)	325
Fluoride (F)	340
Nitrate (NO_3)	353.2

PARAMETER	USEPA METHOD
Phosphate (PO_4)	365.2
Total Phosphorus	365.1/365.2
Sulfate (SO_4)	375
Chemical Oxygen Demand	410
Total Organic Carbon	415
Phenols	420.1
Total Organic Halogens	450.1

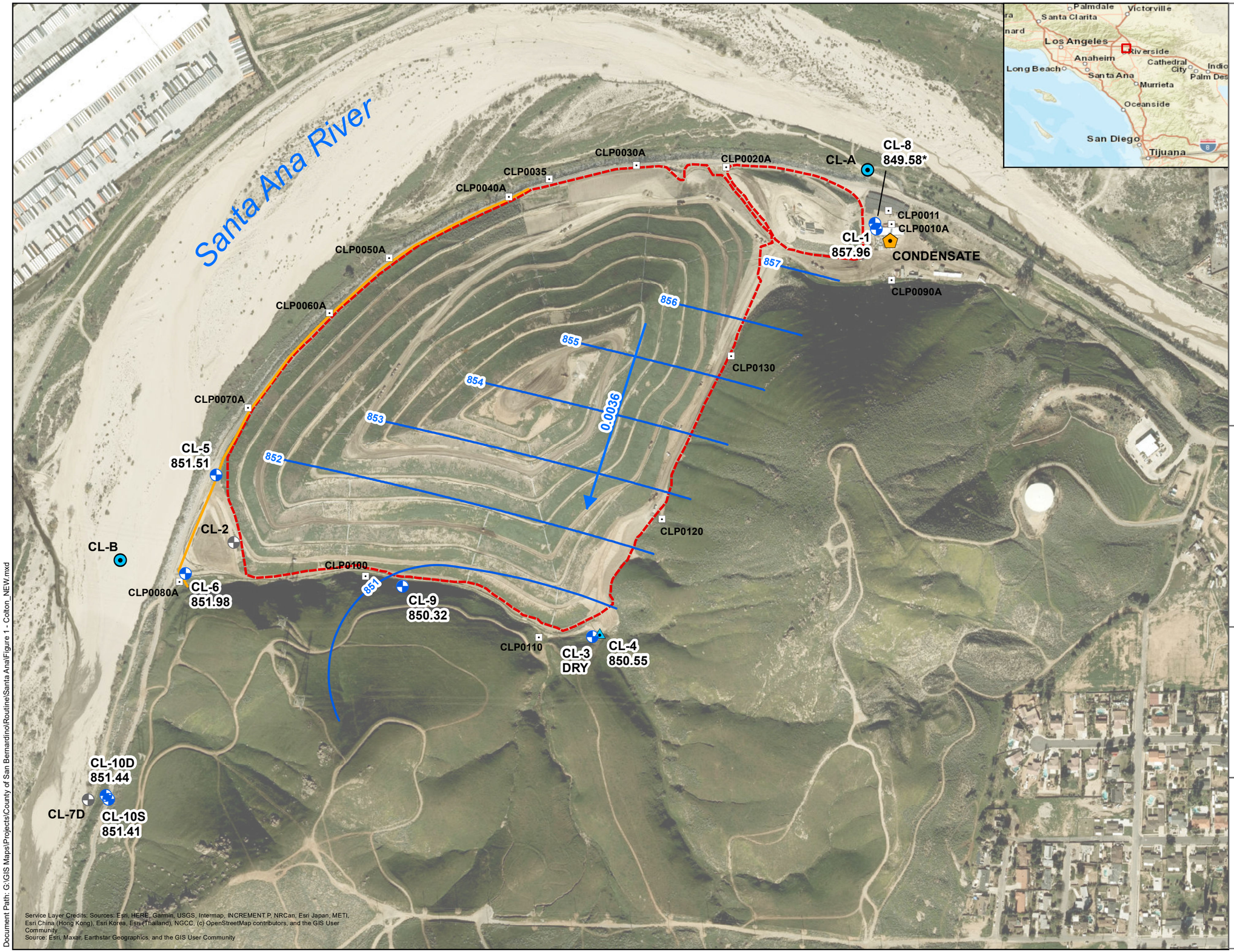
TABLE 6: CONCENTRATION LIMITS				
Constituent	**California Drinking Water Maximum Contaminant Level (MCL)**	**California Drinking Water Notification Level (NL)**	**Laboratory Practical Quantitation Limit (PQL)**	**Concentration Limit Greater Than Background**
1,4-Dioxane			1 µg/L	1 µg/L
2-Butanone (methyl ethyl ketone)			10 µg/L	10 µg/L
2-Hexanone			10 µg/L	10 µg/L
4,4'-DDD			0.0050 µg/L	0.0050 µg/L
Acetone			10 µg/L	10 µg/L
Acetonitrile			10 µg/L	10 µg/L
Acetophenone			10 µg/L	10 µg /L
Alkalinity, Tolal			4.1 mg/L	4.1 mg/L
Anions, Total			0.10 mg/L	0.10 mg/L
Antimony, total	0.006 mg/L		0.004 mg/L	0.006 mg/L
Arsenic, total	0.05 mg/L		0.004 mg/L	0.05 mg/L
Barium, total	1.0 mg/L		0.0020 mg/L	1.0 mg/L
Benzene	1.0 µg/L		0.50 µg/L	1.0 µg/L
Benzyl alcohol			2.0 µg/L	2.0 µg/L
Bicarbonate			10 mg/L	10 mg/L
Bis (2-ethylhexyl) phthalate	4.0 µg/L		4.0 µg/L	4.0 µg/L
Boron		1 mg/L	0.1 mg/L	1 mg/L
Cadmium, total	0.005 mg/L		0.002 mg/L	0.005 mg/L
Calcium			0.1 mg/L	0.1 mg/L
Cations, Total			0.01 mg/L	0.01 mg/L
Chemical Oxygen Demand			25 mg O2/L	25 mg O2/L
Chloride	0.5 mg/L		0.5 mg/L	BPL
Chlorobenzene	30 µg/L		0.50 µg/L	30 µg/L
Chloroethane[A]			0.50 µg/L	Non-Detect
Chloroform			0.50 µg/L	0.50 µg/L
Chromium, total	0.05 mg/L		0.006 mg/L	0.05 mg/L
Cobalt, total			0.002 mg/L	0.002 mg/L
Copper, total			0.004 mg/L	0.004 mg/L
Dichlorobenzene,1,2-	600 µg/L	130 µg/L	0.50 µg/L	600 µg/L
Dichlorobenzene,1,3-		130 µg/L	0.50 µg/L	130 µg/L
Dichlorobenzene,1,4-	5.0 µg/L		0.50 µg/L	5.0 µg/L
Dichloroethane,1,1-	5.0 µg/L		0.50 µg/L	5.0 µg/L
Dichloroethane,1,2-	0.50 µg/L		0.50 µg/L	0.50 µg/L
Dichloroethene, trans-1,2[B]	10 µg/L		0.50 µg/L	Non-Detect
Dichloroethene,1,1-	6.0 µg/L		0.50 µg/L	6.0 µg/L
Dichloroethene, cis-1,2-	6.0 µg/L		0.50 ug/L	6.0 µg/L
Diethyl phthalate			2.0 µg/L	2.0 µg/L
Ethylbenzene	300 µg/L		0.50 µg/L	300 µg/L
Fluoride	2 mg/L		0.25 mg/L	2 mg/L
Hardness, Total			0.50 mg/L	0.50 mg/L
Hexavalent Chromium	0.01 mg/L		0.0002 mg/L	0.01 mg/L
Iron (II)			100 mg/L	BPL

TABLE 6: CONCENTRATION LIMITS				
Constituent	**California Drinking Water Maximum Contaminant Level (MCL)**	**California Drinking Water Notification Level (NL)**	**Laboratory Practical Quantitation Limit (PQL)**	**Concentration Limit Greater Than Background**
Isobutyl alcohol (Isobutanol)			0.002 mg/L	0.002 mg/L
Lead, Total	0.015 mg/L		0.0020 mg/L	0.015 mg/L
m + p Cresol (3-&4-Methylphenol)			2.0 µg/L	2.0 µg/L
m,p-Xylenes	1,750 µg/L		0.50 µg/L	1,750 µg/L
Magnesium			0.05 mg/L	0.05 mg/L
Manganese, Total		0.5 mg/L	0.002 mg/L	0.5 mg/L
Mercury, total	0.002 mg/L		0.0002 mg/L	0.002 mg/L
Methyl isobutyl ketone (MIBK)		120 µg/L	10 µg/L	120 µg/L
Methylene chloride	5.0 µg/L	40 µg/L	1.0 µg/L	5.0 µg/L
Naphthalene		17 µg/L	0.50 µg/L	17 µg/L
Nickel, total			0.004 mg/L	0.004 mg/L
Nitrate (NO3-N)	45 mg/L		0.1 mg/L	BPL
O-Cresal (2-Methylphenol)			0.20 µg/L	0.20 µg/L
o-Xylene			0.50 µg/L	0.50 µg/L
Phenol			2.0 µg/L	2.0 µg/L
Phenols (Total Phenolics)			0.05 mg/L	0.05 mg/L
Phosphate			0.05 mg/L	0.05 mg/L
Phosphorous, total			0.05 mg/L	0.05 mg/L
Potassium (K)			1 mg/L	1 mg/L
Selenium, total	0.05 mg/L		0.004 mg/L	0.05 mg/L
Sodium			1 mg/L	1 mg/L
Styrene	100 µg/L		0.50 µg/L	100 µg/L
Sulfate			1 mg/L	BPL
Tetrachloroethene	5.0 µg/L		0.50 µg/L	5.0 µg/L
Tin, total			0.002 mg/L	0.002 mg/L
Toluene	150 µg/L		0.50 µg/L	150 µg/L
Total Dissolved Solids	500 mg/L		50 mg/L	BPL
Total Organic Carbon			1 mg/L	1 mg/L
Total Organic Halogens			0.02 mg/L	0.02 mg/L
Total Sulfide			0.1 mg/L	BPL
Trichloroethene	5.0 µg/L		0.50 µg/L	5.0 µg/L
Trichlorofluoromethane	150 µg/L		0.50 µg/L	150 µg/L
Vanadium, total		50 mg/L	0.006 mg/L	50 mg/L
Vinyl chloride	0.5 µg/L		0.50 µg/L	0.5 µg/L
Xylenes, total	1,750 µg/L		1.0 µg/L	1,750 µg/L
Zinc, total			0.02 mg/L	0.02 mg/L
Ethene			0.002 mg/L	0.002 mg/L
Methane			0.001 mg/L	0.001 mg/L

Notes:
(1) Laboratory PQLs as provided from BC Laboratories in January 2020.
A-Unconfirmed daughter product of Dichloroethane, 1,1-
B-Unconfirmed daughter product of Dichloroethene, cis-1,2-
BPL: Background Prediction Limit

ATTACHMENT B

MRP SITE MAP



Document Path: G:\GIS Maps\Projects\County of San Bernardino\Routine\Santa Ana\Figure 1 - Colton_NEW.mxd

EXPLANATION:

- Groundwater Monitoring Well
- Abandoned Groundwater Monitoring Well
- Piezometer
- Surface Water Monitoring Point
- Condensate Monitoring Point
- Perimeter Gas Probe
- Groundwater Flow Direction and Gradient (ft/ft)
- Groundwater Contour
- Slurry Wall
- Approximate Landfill Boundary

0 125 250 500 Feet

Geo-Logic ASSOCIATES

Drawn / Reviewed by: JO / MDR
Date: 7/30/2024

Figure 1

SITE MAP

Colton Sanitary Landfill
January 2024
Groundwater Elevations and Flow Directions