

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION

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WASTE DISCHARGE REQUIREMENTS ORDER

R8-2026-0006

ORDER INFORMATION

Status: ADOPTED
Program: Site Cleanup Program
Discharger(s): General Electric Company
Facility: Flatiron Groundwater Treatment Facility
County: San Bernardino
Prior Order(s): R8-2011-0019

CERTIFICATION

I, ERIC T. LINDBERG, 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 March 13, 2026.

ERIC T. LINDBERG, PG CHG
Executive Officer

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**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION**

ORDER R8-2026-0006

**WASTE DISCHARGE REQUIREMENTS
FOR
REMEDICATION OF GROUNDWATER
AT THE FLATIRON GROUNDWATER TREATMENT FACILITY
501 WEST FRANCIS STREET, ONTARIO**

FINDINGS

The Santa Ana Regional Water Quality Control Board (Santa Ana Water Board) hereby finds as follows:

INTRODUCTION

1. The Santa Ana Water Board is responsible for oversight of environmental investigation and remediation at the former General Electric Company (GE) Flatiron facility, located at 234 East Main Street in Ontario (Site). As a result of historical manufacturing operations, volatile organic compounds (VOCs), primarily trichloroethene (TCE) and hexavalent chromium (CrVI) have impacted the subsurface, including groundwater at, and hydraulically downgradient of, the Site.
2. Groundwater cleanups at contaminated sites may be accomplished, in whole or in part, via the ex-situ remediation of the groundwater plume. Ex-situ remediation systems include a network of groundwater extraction wells, above-ground treatment technologies, and the discharge of treated groundwater. A person or entity applying or proposing to discharge treated groundwater to the subsurface within the Santa Ana Water Board jurisdiction must file a report of waste discharge (ROWD) pursuant to Water Code section 13260 and obtain waste discharge requirements (WDRs) for the discharge from the Santa Ana Water Board.
3. Groundwater extraction and treatment was first implemented in 1995 as a remedial measure to address VOC and CrVI impacts in the Shallow Aquifer of the Chino Basin. The Shallow Aquifer is an unconfined water bearing zone with predominantly coarse-grained sediments. The Shallow Aquifer is encountered at a depth of approximately 370 feet below ground surface (bgs) at the Site. In areas surrounding the furthest downgradient monitoring well cluster, MW-25A/B/C, the Shallow Aquifer is encountered at approximately 210 feet bgs. At approximately 550 feet bgs, the Shallow Aquifer is underlain by a confining layer

that ranges in thickness from 30 to 60 feet. The groundwater flow direction in the Chino Basin is toward the south-southwest.

4. In 2011, the Santa Ana Water Board issued Waste Discharge Requirements Order No. R8-2011-0019 to GE (Discharger) for discharge of treated groundwater at the Flatiron Groundwater Treatment Facility (Facility).
5. The Facility consists of a water treatment plant, extraction and injection wells, and all pumps, pipes, and other associated infrastructure. The water treatment plant is located at 501 West Francis Street in Ontario. The injection well field is located at 2025 South Bon View Avenue in Ontario. Attachment A provides a map of the Facility.
6. The Discharger has proposed to modify the existing ex-situ remediation system to optimize groundwater capture zone and enhance remediation of VOCs and CrVI in groundwater, originating from the Site. These modifications require termination of Waste Discharge Requirements Order No. R8-2011-0019 and adoption of new WDRs presented here in Waste Discharge Requirements Order No. R8-2026-0006 (Order).
7. The Order consists of WDRs regulating ex-situ remediation of the specified waste constituents, namely VOCs and CrVI, in groundwater downgradient of the Site. The requirements for this Order were developed based upon the proposed scope of work, background information, and site-specific data presented in the "2025 Revised Report of Waste Discharge" (dated February 27, 2025), as well as electronic submittals to Santa Ana Water Board staff from April 15, 2025 to September 5, 2025.

DISCHARGE CHARACTERISTICS

8. The covered discharge includes injection of treated groundwater, treated stormwater, treated purge water, and/or municipal water into the subsurface using a network of injection wells or discharge of the same to the West Cucamonga Flood Control Channel and then to the Ely Basins.
9. The Facility includes three groundwater extraction wells. Table 1 provides information for the network of extraction wells. The maximum combined flow rate for all three extraction wells is 2,450 gallons per minute (gpm).

Table 1. Extraction Well Information

Well ID	Latitude	Longitude	Elevation¹	Maximum Flow Rate²
EW-01	34.04051	-117.65578	885	850
EW-02	34.05014	-117.65180	922	600
EW-03 ³	34.04080	-117.65566	886	1000

Notes:

1. Elevation is measured from the measuring point or top of casing in feet above mean sea level (amsl).
 2. The maximum flow rate is measured in gpm.
 3. The latitude, longitude, and elevation for EW-03 are estimated based on the planned location.
10. Extracted groundwater is conveyed to the water treatment plant through a series of pipelines. A process-flow schematic of the Facility is provided in Attachment A. The treatment plant is designed for a maximum total flow of 2,000 gpm and a working pressure of 125 pounds per square inch gauge (psig). During backflushing, shakedown events, or maintenance activities, flow rates may intermittently exceed this limit; however, under normal operating conditions, the maximum flow rate for extraction and injection wells shall not exceed 2,000 gpm.
 11. At the water treatment plant, groundwater is first treated with ion exchange (IX) resin to remove chromium. The IX treatment unit consists of four carbon steel vessels arranged in two parallel sets for reversible series operation. Each vessel holds approximately 500 cubic feet of strong base anion exchange resin.
 12. Following the IX system, groundwater enters the liquid granular activated carbon (LGAC) system to remove VOCs. The LGAC treatment unit consists of four steel vessels, each containing approximately 20,000 pounds of 8 by 30 mesh LGAC. The vessels are configured in two parallel sets for reversible operation.

13. Treated groundwater from the West Francis Street treatment system is conveyed via buried pipeline to either West Cucamonga Flood Control Channel, and on to the Ely Basins, or to the South Bon View Park Injection Well Field. At South Bon View Park, treated groundwater is temporarily stored in a 250,000 gallon equalization tank prior to pressurization, filtration, distribution to the injection wells, and discharge to the subsurface.
14. Treated groundwater is discharged to the underlying aquifer at the injection well field. Table 2 provides information on the four injection wells, each with a maximum flow rate of 500 gpm. Injection of treated groundwater shall not exceed 2,000 gpm. During backflushing, shakedown events, or maintenance activities, flow rates may intermittently exceed this limit; however, under normal operating conditions, the maximum flow rate for extraction and injection wells shall not exceed 2,000 gpm.

Table 2. Injection Well Information

Well ID	Latitude	Longitude	Elevation¹	Maximum Flow Rate²
IW-01	34.03655	-117.63688	849	500
IW-02	34.03658	-117.63519	849	500
IW-03	34.03581	-117.63516	847	500
IW-04 ³	34.03589	-117.63696	849	500

Notes:

1. Elevation is measured from the measuring point or top of casing in feet amsl.
 2. The maximum flow rate is measured in gpm.
 3. The latitude, longitude, and elevation for IW-04 are estimated based on the planned location.
15. The injection wells and equalization tank require periodic maintenance, which may include back flushing, redevelopment, and draining. Water generated during maintenance activities may be discharged to South Bon View Park injection wells. During maintenance activities, water generated at the West Francis Street Treatment Plant may be discharged to the West Cucamonga Flood Control

Channel and then to the Ely Basins. The Discharger has proposed to perform maintenance activities during dry weather periods, if possible. However, if maintenance activities are conducted during the rainy season, the Discharger shall manage the discharge so as to not cause an overflow from the Ely Basins into Cucamonga Creek. This Order does not alleviate the responsibility of the Discharger to obtain permission to discharge into the Ely Basins from any entity having authority over the basins.

BASIN PLAN AND RELATED REGULATORY CONSIDERATIONS

16. Water Code section 13263 authorizes the Santa Ana Water Board to prescribe WDRs as to the nature of any proposed or existing discharge with relation to the conditions existing in the disposal area or receiving waters upon, or into, which the discharge is made or proposed. The WDRs must implement relevant water quality control plans (Basin Plans) and take into consideration the beneficial uses of water to be protected, the water quality objectives reasonably required for that purpose, other waste discharges, the need to prevent nuisance, and the provisions of Water Code section 13241.
17. The Santa Ana Water Board adopted a revised Water Quality Control Plan for the Santa Ana River Basin (Basin Plan) on March 11, 1994. The Basin Plan was subsequently approved by the State Water Resources Control Board (State Water Board) on July 21, 1994. Subsequent revisions to the Basin Plan have also been adopted by the Santa Ana Water Board and approved by the State Water Board as recently as November 2022. The Basin Plan identifies beneficial uses and water quality objectives for waters within the Santa Ana Region, including various Groundwater Management Zones (GMZs).
18. The Site is located within the Chino North GMZ. The Basin Plan states that the beneficial uses of groundwater in the Chino North GMZ are:
 - a. Municipal and Domestic Supply (MUN),
 - b. Agricultural Supply (AGR),
 - c. Industrial Service Supply (IND), and
 - d. Industrial Process Supply (PROC).
19. This Order establishes WDRs pursuant to division 7, chapter 4, article 4 of the Water Code for discharges that are not subject to regulation under Clean Water Act section 402 (33 U.S.C. § 1342). These WDRs implement numeric and narrative water quality objectives for groundwater and surface waters established by the Basin Plan and other applicable state and federal laws and policies.

20. 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. Both the State Water Board and the Santa Ana Water Board recognized this right in Resolution No. 2016-0010 and Resolution R8-2019-0078, respectively. This Order supports the human right to water by including conditions to ensure proper cleanup and remediation of pollutants at the Site.
21. Consistent with Water Code section 13241, the Santa Ana Water Board, in establishing the requirements contained herein, considered factors including, but not limited to, the following:
 - a. Past, present, and probable future beneficial uses of water.
 - b. Environmental characteristics of the hydrographic unit under consideration, including the quality of water available thereto.
 - c. Water quality conditions that could reasonably be achieved through the coordinated control of all factors which affect water quality in the area.
 - d. Economic considerations.
 - e. The need for developing housing within the region.
 - f. The need to develop and use recycled water.
22. Water Code section 13267 authorizes the Santa Ana Water Board to require technical and monitoring reports. Monitoring and reporting program (M&RP) R8-2026-0006 establishes monitoring and reporting requirements necessary to evaluate compliance with the terms and conditions of this Order and to ensure protection of waters of the state. The burden, including costs, of preparing the technical and monitoring reports bears a reasonable relationship to the need for the reports and benefits to be obtained from them.
23. In accordance with California Code of Regulations, title 23, section 2200, a discharger for whom WDRs have been prescribed is required to submit an annual fee to the State Water Board. The annual fee is based on (1) the threat to water quality and (2) the complexity of the discharge, in accordance with the ratings in the annual fee schedule contained in section 2200. It is expected that the discharge covered by this Order will have a threat to water quality of Category 3 and a complexity rating of A, for a combined rating of 3A. Category 3 is the lowest threat to water quality category, and Category A is the highest complexity rating, for discharges from facilities having numerous discharge points and groundwater monitoring.

ANTIDegradation ANALYSIS

24. Pursuant to State Water Board Resolution No. 92-49, the Santa Ana Water Board must require actions for cleanup and abatement of discharges that cause or threaten to cause pollution or nuisance to conform to the provisions of State Water Board Resolution No. 68-16 (Resolution No. 68-16), *Statement of Policy with Respect to Maintaining High Quality of Waters in California*, and the Basin Plan. The Santa Ana Water Board must ensure that Dischargers are required to cleanup and abate the effects of discharges in a manner that promotes attainment of background water quality, or if background levels of water quality cannot be restored, the best water quality that is reasonable and complies with the Basin Plan, including applicable water quality objectives.
25. Resolution No. 68-16 generally prohibits the Santa Ana Water Board from authorizing discharges that will result in the degradation of high quality waters, unless it is demonstrated that any change in water quality will: (a) be consistent with maximum benefit to the people of the state, (b) not unreasonably affect beneficial uses, and (c) not result in water quality less than that prescribed in state and regional policies (e.g., the violation of one or more water quality objectives). The Discharger must also employ best practicable treatment or control to minimize the degradation of high-quality waters. The discharge described in Order No. R8-2026-0006 is consistent with the antidegradation provision of Resolution No. 68-16.

CEQA AND PUBLIC PARTICIPATION

26. The Santa Ana Water Board is the lead agency for the purposes of these WDRs pursuant to the California Environmental Quality Act (CEQA; Public Resources Code, section 21100 et seq.). The issuance of WDRs for the cleanup of the Site is exempt from CEQA in accordance with California Code of Regulations, title 14, sections 15061, subd. (b)(3), 15301, 15307 and 15308.
27. The Santa Ana Water Board has notified interested agencies and persons of its intent to prescribe WDRs for the discharge associated with the ex-situ remediation of groundwater at the Site and has provided them with an opportunity to submit written comments.
28. The Santa Ana Water Board, in a public meeting held on March 13, 2026, heard and considered all oral comments pertaining to the WDRs.

REQUIREMENTS

IT IS HEREBY ORDERED, pursuant to Water Code sections 13263 and 13267, that Order No. R8-2011-0019 is terminated upon the effective date of this Order except for enforcement purposes, and, in order to meet the provisions contained in Division 7 of

the California Water Code (commencing with section 13000) and regulations adopted thereunder, the Discharger shall comply with the requirements in this Order.

A. Discharge Prohibitions

1. The discharge of amendments or waste in a manner other than as described in this Order is prohibited. Municipal water may be added to the wells during redevelopment activities that will occur periodically.
2. Except as specifically provided for in Finding 15, above, as applicable, the discharge of treated or untreated solid or liquid waste to surface waters or tributaries of surface waters is prohibited, unless authorized under a separate permit issued by the Santa Ana Water Board or State Water Board.
3. The discharge of any radiological, chemical, or biological warfare agent or high-level radiological waste is prohibited.
4. Discharges to groundwater and the surrounding geological formation that are conducted in a manner that increases the mobility and/or extent of the contaminants in groundwater through fracturing of the geologic formation are prohibited. Additionally, fracturing of an aquitard that separates two distinct water-bearing zones is prohibited under any condition.
5. The unauthorized discharge of amendments or waste to a property that is not owned or under the control of the Discharger is prohibited. The property “under the control” of the Discharger includes the horizontal borders of the treatment zone where the Discharger holds an access agreement with the overlying property owner for purposes of investigation and remediation. Notwithstanding the prohibition in this section, water generated during maintenance activities may be discharged to the South Bon View Park injection wells. During maintenance activities, water generated at the West Francis Street Treatment plant may be discharged to the West Cucamonga Flood Control Channel and then to the Ely Basins in accordance with Finding 15 above.

B. Discharge Limitations and Specifications

1. The discharge or reuse of treated groundwater shall be limited to the same aquifer where the impacted groundwater was extracted for treatment.
2. The discharge of treated groundwater shall maintain compliance with the following limitations:

Table 3. Effluent Limitations

Constituent	Instantaneous Maximum Effluent Limitation¹
Tetrachloroethene	5 µg/L ²
Trichloroethene	5 µg/L
1,1,1-Trichloroethane	200 µg/L
Total Chromium	50 µg/L
Hexavalent Chromium	10 µg/L

Notes:

1. Instantaneous maximum effluent limitation is the highest allowable value for any single grab sample or aliquot (i.e., each grab sample or aliquot is independently compared to the instantaneous maximum limitation).
2. The unit given for effluent concentration limits of the specified constituents is micrograms per liter.
3. The discharge of treated groundwater shall not cause the total dissolved solids (TDS) concentration of the receiving groundwater to exceed 420 milligrams per liter (mg/L), as specified in Table 4-1 of the Basin Plan for the Chino North GMZ. If the background TDS levels exceed the water quality objective for TDS in the Chino North GMZ, the discharge of treated groundwater in the subsurface shall not cause increases of this parameter over the background levels in groundwater, as measured in the treatment system influent.
4. The discharge of treated groundwater shall not cause nitrogen as nitrate-nitrogen (NO₃-N) concentration of the receiving groundwater to exceed 5.0 mg/L, as specified in Table 4-1 of the Basin Plan for the Chino North GMZ.

If the background NO₃-N levels exceed the water quality objective for NO₃-N in the Chino North GMZ, the discharge of treated groundwater in the subsurface shall not cause increases of this constituent over the background levels in groundwater, as measured in the treatment system influent.

5. The discharge of treated groundwater shall not cause the pH of the receiving groundwater to either exceed or be below the range of 6 to 9.
6. The discharge of treated groundwater shall not cause any other applicable water quality objectives specified in the Basin Plan to be exceeded in the receiving groundwater. If the background levels for any constituents prior to discharge of treated groundwater exceed water quality objectives for the Chino North GMZ, the discharge shall not cause increases of constituents over the background levels in groundwater.
7. The discharge of treated groundwater shall not cause groundwater to contain taste- or odor-producing substances at concentrations that cause a nuisance or adversely affect beneficial uses.
8. The discharge of treated groundwater shall not cause the concentrations of chemical constituents of the receiving groundwater, which is designated for use as domestic and municipal supply, to exceed state or federal maximum contaminant levels (MCLs) and/or notification levels (NLs) for drinking water. If the background levels for any constituents prior to discharge of treated groundwater exceed the state or federal MCLs and/or NLs, the discharge shall not cause increases of constituents over the background levels in groundwater.

C. Monitoring and Reporting Program

1. The Discharger shall submit technical and monitoring reports to the Santa Ana Water Board in accordance with the M&RP R8-2026-0006 and as amended by the Executive Officer.

D. Provisions

1. **Noncompliance** – The Discharger shall comply with all of the terms, requirements, and conditions of this Order and M&RP R8-2026-0006. Noncompliance is a violation of the Porter-Cologne Water Quality Control Act (Wat. Code, §13000 et seq.) and grounds for: (1) an enforcement action; (2) termination, revocation and reissuance, or modification of this Order; or (3) denial of an Order renewal application.
2. **Proper Operation and Maintenance** – The Discharger shall, at all times, properly operate and maintain all facilities and systems of management

and control (and related appurtenances) installed or used by the Discharger to achieve compliance with this Order. Proper operation and maintenance include, but are not limited to, effective performance, sufficient funding, appropriate quality assurance procedures, proper operator staffing and training, and adequate process controls. This provision requires the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of this Order.

- a. The Discharger shall develop an "Operation and Maintenance Manual (O&M Manual)." If an O&M Manual has been developed, the discharger shall update it as necessary to conform to latest water treatment plant changes and requirements. The O&M Manual shall be readily available to operating personnel onsite. The O&M Manual shall include the following:
 - i. Description of the treatment plant, table of the organization showing the number of employees, duties and qualifications and plant attendance schedules (daily, weekends and holidays, part-time, etc.). The description should include documentation that the personnel are knowledgeable and qualified to operate the water treatment plant so as to achieve the required level of treatment at all times.
 - ii. Detailed description of safe and effective operation and maintenance of treatment processes, process control instrumentation and equipment.
 - iii. Description of laboratory and quality assurance procedures.
 - iv. Process and equipment inspection and maintenance schedules.
 - v. Descriptions of safeguards to assure that, should there be a reduction, loss, or failure of electrical power, the Discharger will be able to comply with the requirements of this Order.
 - vi. Description of preventative (fail-safe) and contingency (response and cleanup) plans for controlling accidental discharges, and for minimizing the effect of such events. These plans shall identify the possible sources (such as loading and storage areas, power outage, treatment unit failure, process equipment failure, tank and piping failure) of accidental discharges, untreated or partially treated groundwater bypass, and polluted drainage.

3. **Reporting of Noncompliance** – The Discharger shall report any noncompliance that may endanger the environment. Information shall be provided orally to the Santa Ana Water Board office and the Office of Emergency Services within 24 hours of when the Discharger becomes aware of the incident. If noncompliance occurs outside of business hours, the Discharger shall leave a message on the Santa Ana Water Board’s office voicemail. A written report shall also be provided within five business days of the time the Discharger becomes aware of the incident. The written report shall contain a description of the noncompliance and its cause, the period of noncompliance, the anticipated time to achieve full compliance, and the steps taken or planned, to reduce, eliminate, and prevent recurrence of the noncompliance. All other forms of noncompliance shall be reported with the Discharger’s next scheduled Monitoring Report, or earlier if requested by the Executive Officer.
4. **Duty to Mitigate** – The Discharger shall take all reasonable steps to minimize or prevent any discharge in violation of this Order that has a reasonable likelihood of adversely affecting human health or the environment.
5. **Familiarity with Order** – The Discharger shall ensure that all Site-operating personnel are familiar with the content of this Order and maintain a copy of this Order at the Site.
6. **Material Changes** – Before initiating a new discharge or making a material change in the character, location, or volume of an existing discharge, the Discharger shall report all pertinent information in writing to the Santa Ana Water Board. If required by the Santa Ana Water Board, the Discharger shall obtain revised requirements approved by the Executive Officer before any modifications are implemented. A material change includes, but is not limited to, the following:
 - a. Adding a new source resulting in a change in the character of the discharge.
 - b. Significantly changing the disposal method or location, such as changing the disposal to another drainage area, water body, or aquifer.
 - c. Significantly changing the method of treatment.
 - d. Increasing the treatment plan design capacity beyond that specified in this Order.

7. **Inspection and Entry** – The Discharger shall allow the Santa Ana 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 premises regulated by this Order, or the place where records are kept under the conditions of this Order;
 - b. Have access to inspect and copy, at reasonable times, any records kept under the conditions of this Order;
 - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
 - d. Sample or monitor at reasonable times, for the purpose of assuring compliance with this Order, or as otherwise authorized by the Water Code, any substances or parameters at any location.
8. **Records Retention** – The Discharger shall retain copies of all reports required by this Order and the associated M&RP. Records shall be maintained for the duration of cleanup activities and a minimum of five years from the date of the sample, measurement, report, or application. Records may be maintained electronically. This period may be extended during the course of any unresolved litigation or when requested by the Santa Ana Water Board’s Executive Officer.
9. **Change in Ownership** – This Order is not transferable to any person without written approval by the Santa Ana Water Board’s Executive Officer. Prior to any change in ownership, the Discharger shall notify the Executive Officer in writing at least 30 days in advance. The notice must include a written transfer agreement between the existing owner and the new owner. At a minimum, the transfer agreement must contain a specific date for transfer of responsibility for compliance with this Order and an acknowledgment that the new owner or operator is liable for compliance with this Order from the date of transfer. The Santa Ana Water Board may require modification or revocation and reissuance of this Order to change the name of the Discharger and incorporate other requirements as may be necessary under the Water Code.
10. **Wells** – The Discharger shall comply with all notice and reporting requirements of the California Department of Water Resources and with any well permitting requirements imposed by a local agency regarding the construction, alteration, destruction, maintenance, or abandonment of any wells used for this Order, as required under Water Code sections 13751 and 13755 and local agency requirements.

11. **Qualified Professionals** – In accordance with Business and Professions Code sections 6735, 7835, and 7835.1, engineering and geologic evaluations and judgments shall be performed by or under the direction of California registered professionals (i.e., civil engineer, engineering geologist, geologist, etc.) competent and proficient in the fields pertinent to the required activities. All technical reports required under this Order that contain work plans, describe the conduct of investigations and studies, or contain technical conclusions and recommendations concerning engineering and geology shall be prepared by or under the direction of appropriately qualified professional(s), even if not explicitly stated. Each technical report submitted by the Discharger shall contain a statement of qualifications of the responsible licensed professional(s) as well as the professional's signature and/or stamp of the seal. Additionally, all field activities are to be conducted under the direct supervision of one or more of these professionals.

12. **Certification of Submitted Documents** – All documents submitted to the Santa Ana Water Board shall be signed and certified as follows:
 - a. Documents shall be submitted with signatures from the following persons, depending on the type of Discharger:
 - i. For a corporation – by a responsible corporate officer of at least the level of vice-president.
 - ii. For a partnership or sole proprietorship – by a general partner or the proprietor, respectively.
 - iii. For a municipality, state, federal or other public agency – by either a principal executive officer or ranking elected official.
 - iv. For a military installation – by the base commander or the person with overall responsibility for environmental matters in that branch of the military.

 - b. A duly authorized representative of a person identified in subsection (a) of this provision may sign and certify documents only if:
 - i. The authorization is made in writing by the person described in subsection (a) of this provision;
 - ii. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity; and

iii. The written authorization is submitted to the Executive Officer.

c. Any person signing a document under this provision 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."

13. **Compliance with Other Laws** – This Order does not authorize the violation of any other applicable federal, state, or local laws and regulations.
14. **Other Permits** – This Order does not alleviate the responsibility of the Discharger to obtain other applicable local, state, and federal permits necessary for compliance with this Order; nor does this Order prevent imposition of additional standards, requirements, or conditions by any other regulatory agency.
15. **No Vested Right to Discharge** – In accordance with Water Code section 13263(g), this Order does not create a vested right to continue to discharge and is subject to rescission and/or modification. The discharge of waste into the waters of the state is a privilege, not a right.
16. **Modification, Revocation, Termination** – This Order may be modified, revoked and reissued, or terminated for cause. The filing of a request by the Discharger for an Order modification, rescission, or reissuance, or the Discharger's notification of planned changes or anticipated noncompliance, does not stay any Order condition. Causes for modification include, but are not limited to, the violation of any term or condition contained in this Order, a material change in the character, location, or volume of discharge, a change in land application plans or disposal practices, or the adoption of new regulations by the State Water Board, Santa Ana Water Board (including revisions to the Basin Plan), or federal government.

17. **Severability** – The provisions of this Order are severable. If any provision of this Order is found invalid, the remainder of this Order shall not be affected.
18. **Effective Date** – This Order becomes effective on the date of adoption by the Santa Ana Water Board.

LIST OF ATTACHMENTS

Attachment A: Figure 1 - Site Location Map

Attachment A: Figure 2 - Process Flow Diagram - Expanded System

Attachment B: Monitoring and Reporting Program R8-2026-0006

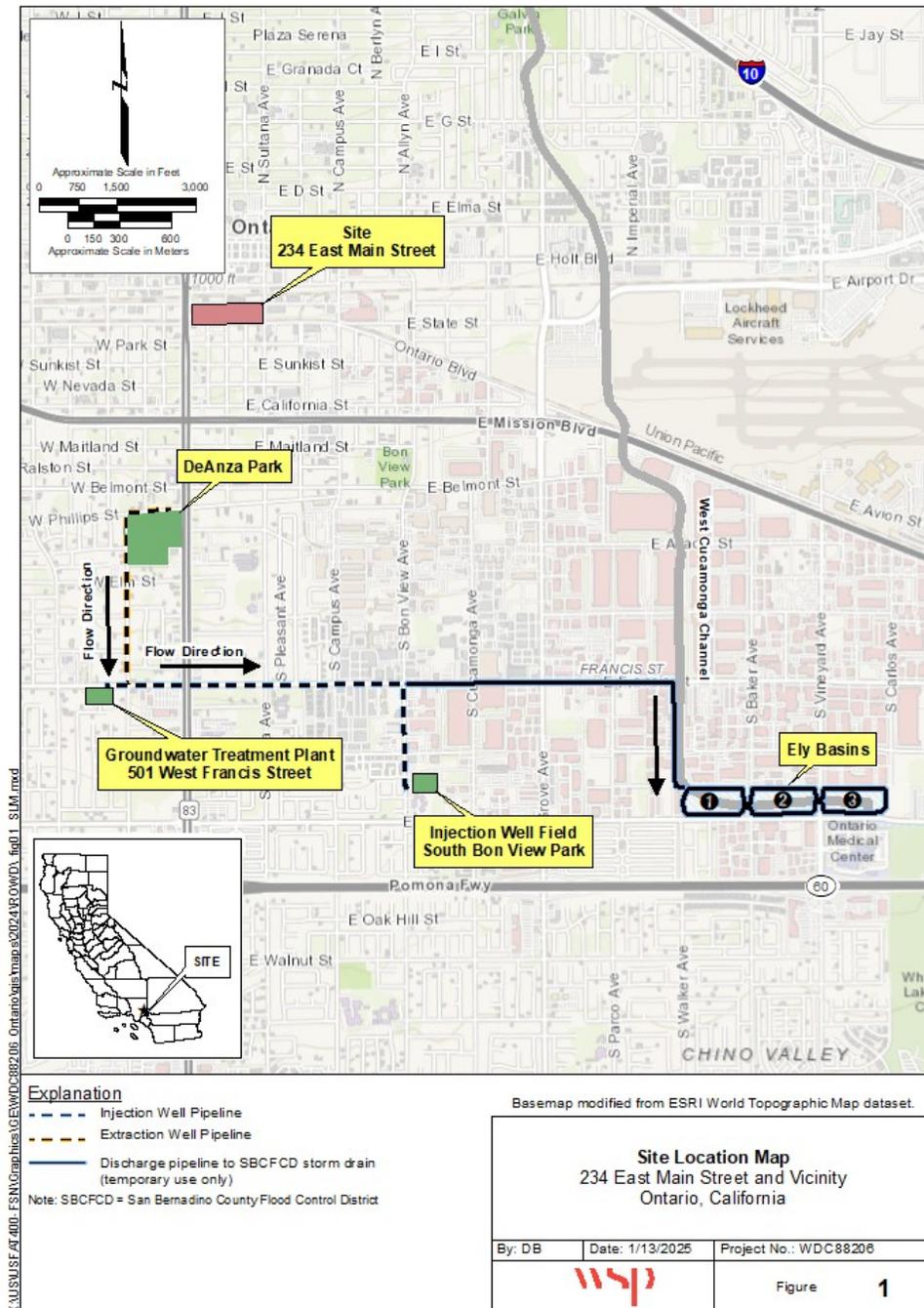
ENFORCEMENT

The Santa Ana Water Board reserves the right to take any enforcement action authorized by law. Accordingly, failure to timely comply with any provisions of this Order may subject the Discharger to enforcement action. Such actions include, but are not limited to, the assessment of administrative civil liability pursuant to Water Code sections 13323, 13268, and 13350, a Time Schedule Order (TSO) issued pursuant to Water Code sections 13300 and 13308, or referral to the California Attorney General for recovery of judicial civil liability.

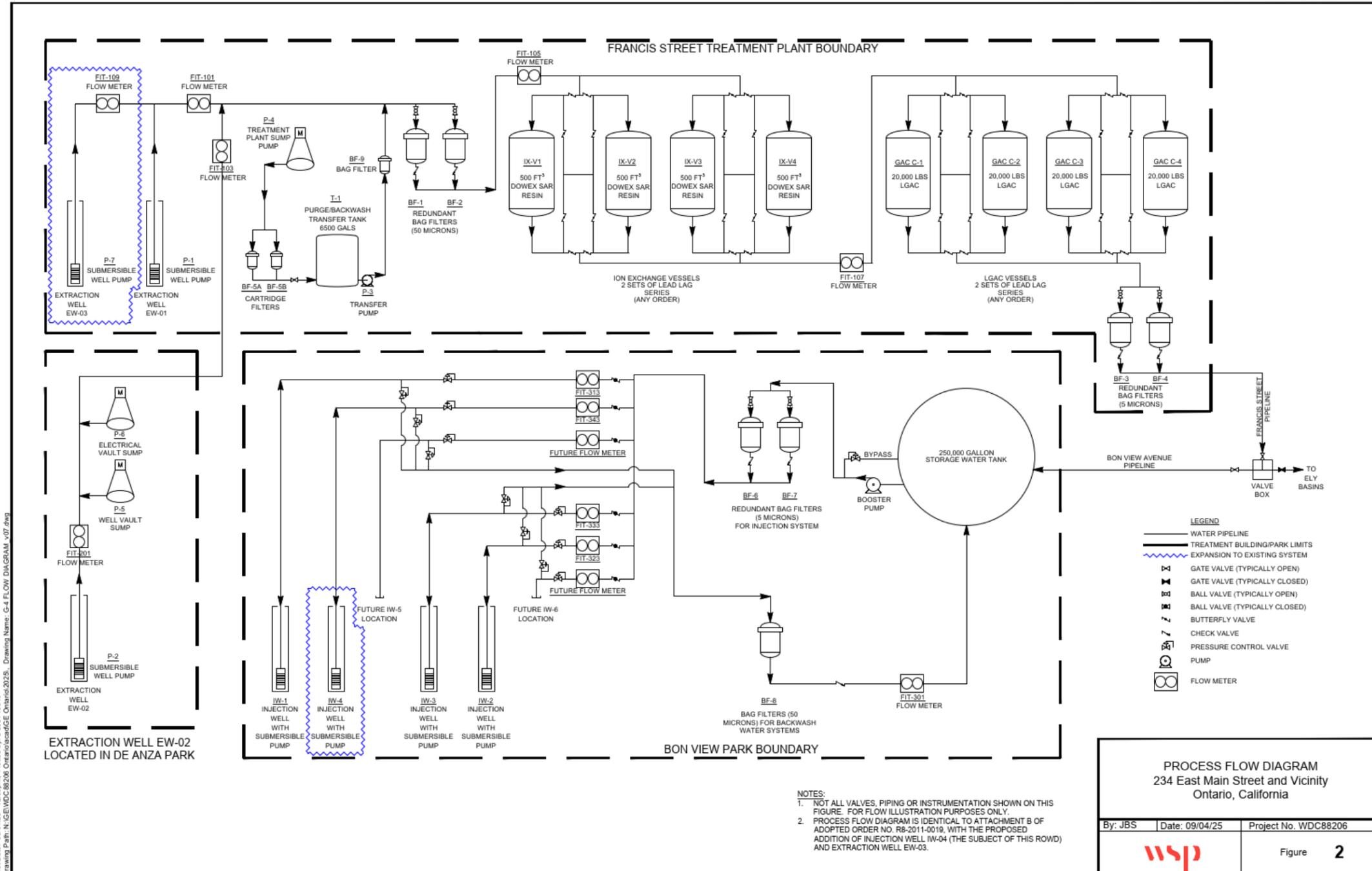
ADMINISTRATIVE REVIEW

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, section 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 \(http://www.waterboards.ca.gov/public_notices/petitions/water_quality\)](http://www.waterboards.ca.gov/public_notices/petitions/water_quality). Copies will also be provided upon request.

ATTACHMENT A - FIGURE 1 - SITE LOCATION MAP



ATTACHMENT A - FIGURE 2 - PROCESS FLOW DIAGRAM



**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION**

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REMEDICATION OF GROUNDWATER
AT THE FLATIRON GROUNDWATER TREATMENT FACILITY
501 WEST FRANCIS STREET, ONTARIO**

This Monitoring and Reporting Program (M&RP) is issued to the General Electric Company (Discharger) pursuant to Water Code section 13267. The monitoring requirements in this M&RP are necessary to determine if the Discharger is in compliance with Waste Discharge Requirements (WDRs) Order R8-2026-0006 (Order) authorizing ex-situ remediation of groundwater at the Flatiron Groundwater Treatment Facility. The Discharger shall not implement any changes to this M&RP unless a revised M&RP is issued by the California Regional Water Quality Control Board, Santa Ana Region (Santa Ana Water Board) or its Executive Officer.

A. Monitoring Requirements

1. **Testing and Analytical Methods.** All sampling, sample preservation, transport and analyses must be conducted in accordance with the current edition of "Standard Methods for the Examination of Water and Wastewater" (American Public Health Association) and/or with U.S. Environmental Protection Agency's guidelines for sampling, collection, and preservation, unless other test procedures have been specified in this M&RP or by the Executive Officer.
2. **Laboratory Certification.** Unless otherwise permitted by the Executive Officer, all analyses shall be conducted at a laboratory certified to perform such analyses by the State Water Resources Control Board, Division of Drinking Water's Environmental Laboratory Accreditation Program (ELAP). Certified laboratories can be found at the following website:
www.waterboards.ca.gov/elap.
3. **Reporting Levels.** Laboratory data must quantify each constituent down to the approved reporting levels for specific constituents. All analytical data shall be reported with method detection limits (MDLs) and with either the reporting level or limits of quantitation (LOQs) according to 40 Code of Federal Regulations part 136, Appendix B.

4. **Increased Monitoring Frequency.** If the Discharger monitors any pollutants more frequently than required by this M&RP, using applicable test procedures, or as specified in this Order, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the Discharger's monitoring report. The increased frequency of monitoring shall also be reported.
5. **Quality Assurance of Data.** Monitoring data collected to meet the requirements of this M&RP must be collected and analyzed in a manner that ensures the quality of the data. The Discharger must follow sampling and analytical procedures as specified in the approved Quality Assurance Project Plan (QAPP). Any internal quality control data associated with each sample must be reported when requested by the Executive Officer. The Santa Ana Water Board will reject the quantified laboratory data if quality control data are unavailable or unacceptable.
6. **Instrumentation and Calibration.** All monitoring instruments and devices which are used by the Discharger shall be properly maintained and calibrated as necessary to ensure their continued accuracy.
7. **Representative Sampling.** Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
8. **Daily Samples.** Daily samples shall be collected on each day of the week.
9. **Monthly Samples.** Monthly samples shall be collected on any representative day of each month.
10. **Records Retention.** The Discharger shall assure that records of all monitoring information are maintained and accessible for a period of at least five years from the date of the sample, report, or application. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or by the request of the Executive Officer at any time. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The individual(s) who performed the sampling or measurements;
 - c. The methods used for sample or measurement collection;
 - d. The laboratory which performed the analyses;
 - e. The date(s) analyses were performed;
 - f. The individual(s) who performed the analyses;

- g. The analytical techniques or methods used; and
- h. All sampling and analytical results, including –
 - i. units of measurement used;
 - ii. minimum reporting limit for the analysis (minimum level);
 - iii. results less than the reporting limit but above the method detection limit (MDL);
 - iv. data qualifiers and a description of the qualifiers;
 - v. quality control test results (and a written copy of the laboratory quality assurance plan);
 - vi. dilution factors, if used; and
 - vii. sample matrix type.
- i. All monitoring equipment calibration and maintenance records;
- j. All original strip charts from continuous monitoring devices;
- k. All data used to complete the application for this Order;
- l. Copies of all reports required by this Order; and,
- m. Electronic data and information generated by the Supervisory Control And Data Acquisition (SCADA) system.

B. Monitoring Plan

1. Influent and effluent monitoring. Sampling stations shall be established where representative samples of the combined influent to the water treatment plant and representative samples of the discharge can be obtained. Table 1 provides the required monitoring parameters and frequency.

Table 1. Monitoring Parameters and Frequency¹

Sample Parameters	Parameter Type	Unit	Method of Analysis ²	Frequency	Sample Locations ³
pH	Water Quality Parameter	SU	SM 4500	Monthly	Effluent
Total Dissolved Solids	Water Quality Parameter	mg/L	SM 2540	Monthly	Influent, Effluent
Nitrate as Nitrogen	Water Quality Parameter	mg/L	EPA Method 300.0	Monthly	Influent, Effluent
Volatile Organic Compounds ⁴	Contaminants of Concern	µg/L	EPA Method 8260D	Monthly	Influent, Effluent
Total Chromium	Contaminant of Concern	mg/L	EPA Method 200.8	Monthly	Influent, Effluent
Hexavalent Chromium	Contaminant of Concern	µg/L	EPA Method 7199	Monthly	Influent, Effluent
Flow	Volume of Water	gpd	Flow meter	Daily	Effluent

Abbreviations: SU = standard unit, mg/L = milligrams per liter, µg/L = micrograms per liter, gpd = gallons per day.

Notes:

1. Monitoring parameters and frequency are subject to modification by the Executive Officer.
2. Laboratory analyses shall be conducted using the most current regulatory-approved methods by a laboratory certified under the ELAP.
3. The compliance sample locations established for the M&RP No. R8-2026-0006 include the combined system influent to the water treatment plant (influent), the effluent of the holding tank prior to injection (effluent), and the effluent of the water treatment plant (effluent, during discharge to the Ely Basins).
4. Volatile Organic Compounds for the purposes of M&RP No. R8-2026-0006 are tetrachloroethene, trichloroethene, and 1,1,1-trichloroethane.

C. Reporting Requirements

1. The Discharger shall submit monthly reports via email to the assigned Santa Ana Water Board staff. The monthly reports shall include a copy of the laboratory reports for samples collected during the previous month, as well as a brief description of system performance.
2. The Discharger shall submit semiannual monitoring reports which shall include, at a minimum, the following:
 - a. **Cover Letter.** A transmittal letter summarizing the essential points in the report.
 - b. **Summary of Monitoring Data.** Discharge monitoring data shall be submitted in a format that is acceptable to the Executive Officer and must be arranged in a manner that clearly demonstrates compliance and/or noncompliance with this Order. Monitoring results shall be reported in a tabulated format which identifies all applicable chemical constituents required to be analyzed under the monitoring program and presents the associated sample collection dates and analytical detections for each compound in relation to waste discharge limitations and requirements established by the Order.
 - c. **Compliance Summary.** For every item of monitoring data where the requirements are not met, the monitoring report shall include a statement discussing the reasons for noncompliance, and of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time, and an estimate of the date when the Discharger will be in compliance. The Discharger shall notify the Executive Officer by letter when compliance with the time schedule has been achieved.
 - d. **Recommended Program Changes.** Conclusions and recommendations regarding continuation of the existing monitoring program or any proposed modifications thereto shall be clearly presented for agency consideration, along with appropriate supporting justification or rationale.
3. As specified in Provision D.11 of the Order, all reports, plans and documents required under the Order and this M&RP shall be prepared under the direction of appropriately qualified professionals. The lead professional performing engineering and geologic evaluations and judgments shall sign and affix their professional geologist or civil engineering license stamp to all technical reports, plans or documents submitted to the Santa Ana Water Board.

4. As specified in Provision D.12 of the Order, all reports and/or information submitted to the Executive Officer shall be signed by a responsible officer or duly authorized representative of the Discharger and shall be submitted under penalty of perjury.
5. All monitoring reports submitted to the Executive Officer in compliance with this M&RP must be submitted electronically to the State Water Board's GeoTracker database. To comply with state regulations, the update to the GeoTracker database must include the following minimum information:
 - a. The elevation of groundwater in any permanent monitoring well relative to the surveyed elevation.
 - b. A site map or maps showing the location of all sampling points referred to in the report.
 - c. The depth to the screened interval and the length of screened interval of any permanent monitoring well.
 - d. Boring logs, in PDF format.
 - e. Laboratory analytical data from any soil testing and/or groundwater monitoring shall be reported in Electronic Deliverable Format (EDF) in accordance with Water Code section 13195 et seq. requirements, if applicable.
 - f. A complete copy of the report, in PDF format, which includes the signed transmittal letter and professional certification.

The GeoTracker website address is: <https://geotracker.waterboards.ca.gov>.

D. Report Schedule

Monitoring reports shall include all data collected during the monitoring period and shall be submitted on a monthly and semiannual basis, as described in sections C.1 and C.2. of this M&RP in accordance with the following schedule:

Monitoring Period	Report Due
Monthly	30 th day of the month
January – June	July 30 th
July – December	January 30 th

The Executive Officer has the authority to change the report submittal schedule, if deemed necessary, based on changes to the Site conditions.

I, ERIC T. LINDBERG, Executive Officer, hereby certify that the following is a full, true, and correct copy of the Monitoring and Reporting Program adopted by the California Regional Water Quality Control Board, Santa Ana Region, on March 13, 2026.

ERIC T. LINDBERG, PG CHG
Executive Officer

ENFORCEMENT

The Santa Ana Water Board reserves the right to take any enforcement action authorized by law. Accordingly, failure to timely comply with any provisions of this Monitoring and Reporting Program may subject the Discharger to enforcement action. Such actions include, but are not limited to, the assessment of administrative civil liability pursuant to Water Code sections 13323, 13268, and 13350, a Time Schedule Order (TSO) issued pursuant to Water Code sections 13300 and 13308, or referral to the California Attorney General for recovery of judicial civil liability.

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, section 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 \(http://www.waterboards.ca.gov/public_notices/petitions/water_quality\)](http://www.waterboards.ca.gov/public_notices/petitions/water_quality). Copies will also be provided upon request.