

California Regional Water Quality Control Board North Coast Region

Order No. R1-2026-0013

WASTE DISCHARGE REQUIREMENTS for COUNTY OF SONOMA

GUERNEVILLE SOLID WASTE DISPOSAL SITE

WDID No. 1B84003OSON, Sonoma County

I. GENERAL

- A. This Order rescinds, replaces and updates Closure Waste Discharge Requirements (WDRs) Order No. 84-003 for the County of Sonoma, Guerneville Solid Waste Disposal Site (Site), satisfies the regulatory renewal cycle for a Class III municipal landfill, and implements:
 1. The Water Quality Control Plan for the North Coast Region (Basin Plan).
 2. The minimum prescriptive standards (and, where deemed reasonable and appropriate, standards above and beyond those minimums) and performance goals of the California Code of Regulations, title 27, sections 20005-22278 (Non-Hazardous Solid Waste)¹.
- B. Closed, Abandoned and Inactive (CAI) Landfills are waste management units that were closed, abandoned, or inactive prior to November 27, 1984, and have not resumed the receipt of waste since that date.
- C. Pursuant to title 27, CAI Landfills are not required to be closed in accordance with title 27 requirements. If it is determined that a CAI Landfill poses a threat to water quality, the Regional Board may impose additional requirements if necessary to accommodate regional or site-specific conditions (title 27, section 20080(a)(1)).
- D. In accordance with California Water Code section 13263(d), the Regional Board may prescribe requirements although no report of waste discharge has been filed.
- E. Basis and Rationale for Requirements:

This Order serves as Waste Discharge Requirements (WDRs) for discharges to land issued pursuant to section 13263 of the California Water Code. All monitoring and reporting requirements specified in the attached Monitoring and Reporting Program No. R1-2026-0013 are issued pursuant to Water Code section 13267.

¹ All subsequent references in this Order to title 27 refer to that title within the California Code of Regulations.

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F. Site Owner and Operator:

The County of Sonoma (County), hereinafter Discharger, owns, operates, and maintains the closed Guerneville Solid Waste Disposal Site (Site), a Class III Solid Waste Disposal Site (SWDS). The Site accepted waste between 1970 and 1983, with initial WDRs issued in 1978 under Order No. 78-63 for operations. On January 19, 1984, Closure WDRs, Order No. 84-003, were issued to provide for construction of the final landfill cap system and post closure monitoring and maintenance plans.

G. The North Coast Regional Water Quality Control Board (Regional Water Board) developed these requirements based on information submitted subsequent to Order No. 84-003 for the construction closure of the Site.

H. A copy of this Order shall be kept at the Guerneville SWDS for reference by operating personnel at all times. Key operating personnel shall be familiar with its contents.

II. FINDINGS

A. Classification

The Site located at 13450 Pocket Canyon Drive in Guerneville, Sonoma County as shown on Attachments A and B is a Class III landfill as defined in title 27, sections 20200- 20220.

B. Basin Plan

As required by Water Code section 13263(a), these WDRs are crafted to implement the Water Quality Control Plan for the North Coast Region (Basin Plan), and in so doing, the Regional Water Board has taken into consideration the beneficial uses to be protected, the water quality objectives (both numeric and narrative) reasonably required for that purpose, other (including previous) waste discharges, the need to prevent nuisance, and the provisions of Water Code section 13241. The Basin Plan contains implementation plans and policies for protecting waters of the basin. The Basin Plan implements State Water Resources Control Board (State Water Board) Resolution No. 88-63, which established state policy that all waters, with certain exceptions, should be considered suitable or potentially suitable for municipal or domestic supply.

The Basin Plan identifies beneficial uses for each hydrologic area in the Region, as well as for specific waterbodies and broad categories of waters. Protection will be afforded to the present and potential beneficial uses of waters of the North Coast Region as designated and presented in Table 2-1 of the Basin Plan. The beneficial uses of any specifically identified water body generally apply to all its tributaries.

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Thus, beneficial uses applicable to area groundwater within the Russian River Hydrologic Area to be protected are as follows: Municipal and domestic supply, Agricultural water supply, Industrial service supply, Industrial process supply, Industrial process supply, and Groundwater recharge.

Table 2-1 of the Basin Plan identifies the following existing and potential beneficial uses of surface waters in the Guerneville Hydrologic Subarea are as follows: Municipal and domestic supply, Agricultural supply, Industrial service supply, Industrial process supply, Groundwater recharge, Freshwater Replenishment, Navigation, Hydropower generation, Water contact recreation, Non-contact water recreation, Commercial and sport fishing, Warm freshwater habitat, Cold freshwater habitat, Wildlife habitat, Rare, threatened, or endangered species, Migration of aquatic organisms, Spawning, reproduction, and/or early development, Shellfish Harvesting, Estuarine Habitat, and Aquaculture.

C. Human Right to Water

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 (Wat. Code §106.3, subd. (a)). The Safe Drinking Water Act provides that all Californians have a right to pure and safe drinking water (Health & Safety Code § 116270, subd. (a)). This Order promotes that policy by requiring the Discharger to handle and dispose of waste in a manner that will protect water quality objectives, including those that protect drinking water supplies.

D. Endangered Species Act

This Order does not authorize any act that results in the taking of a threatened or endangered species or any act that is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish and Game Code sections 2050 to 2097) or the Federal Endangered Species Act (16 U.S.C.A sections 1531 to 1544). The Discharger is responsible for meeting all requirements of the applicable Endangered Species Act.

E. Site Description and History

1. The Site is located at 13450 Pocket Canyon Road off of Highway 116 and approximately 3 miles south of the town of Guerneville in a rural area of western Sonoma County, California, as shown on Attachments A and B and incorporated herein and made part of this Order. The Site comprises Sonoma County Assessor's Parcel Numbers 085-090-02, 085-090-03 and 085-100-01. The landfill property is located on a ridge area with drainage to Tunstall Creek and

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Land of Woo Creek, both of which are tributary to Pocket Canyon Creek and the Russian River as shown in Attachment B of this Order.

2. The total waste landfilled at the Site includes approximately 100,000 tons of refuse within a 5 ½ acre footprint of a ridge and saddle area of the 87-acre Site as shown on Attachment B.
3. The facility historically accepted non-hazardous, non-designated, and inert solid waste from commercial, residential and private haulers. In accordance with the Solid Waste Facility Permit (SWFP) issued by Sonoma County Department of Health Services, Environmental Health Division (local enforcement agency, LEA) and the California Department of Resources, Recycling and Recovery (Cal Recycle), the facility was historically permitted for waste disposal less than 100 tons per day and considered a relatively small operation.
4. The Site was originally operated as a burn site until 1970 when burn operations ceased and operations converted to sanitary landfilling by a cut and fill method of disposal. WDR Order No. 78-63 was adopted by the Regional Water Board in 1978 for site operations. Landfilling continued until 1983 when the landfill closed and converted to transfer station operations with outhaul to the County's main landfill located in Petaluma. On June 26, 1984, the North Coast Regional Board concurred with the final closure as meeting the requirements of Order No. 84-003.
5. Existing onsite support facilities include a roofed Tipping/Transfer Facility, scale house, maintenance building, scrap metal and recycling facilities, wood and green waste diversion processing areas, leachate management and storage tanks, pad and weather station, drainage infrastructure, fire suppression water tank and groundwater monitoring wells/probes.
6. Current transfer station operations are open to the public five days per week and closed on major holidays. Under CalRecycle oversight the transfer station is classified as a Large Volume Transfer/Processing Facility with a maximum permitted capacity of 160 tons per day.

F. Landfill Setting

1. Surrounding land uses include rural residential and agricultural operations, including timber stands and developing vineyards. The closest residences are located west and around the base of the ridge lined landfill.
2. Groundwater resources provide domestic and agricultural water supply for the surrounding area.

G. Wastes and their Classification

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1. Liquid waste generated onsite, such as landfill leachate, is transported via leachate tanker truck to the Santa Rosa Laguna Treatment Plant where it is comingled with municipal wastewater and treated prior to final disposal or beneficial reuse in accordance with the National Pollutant Discharge Elimination System (NPDES) permit for the Santa Rosa Regional Water Reuse System (Order No. R1-2020-0012).

H. Groundwater Hydrology and Depth to Groundwater

1. Groundwater conditions within the vicinity of the landfill are discontinuous and variable, controlled by joints, fractures and shear zones within the Franciscan Formation. Shallow groundwater water occurs within the underlying Franciscan Formation and ranges between 20 to 30 feet seasonally.
2. The Franciscan Formation is the base rock water-bearing unit at the site consisting of interbedded and fractured marine sandstones, shales and conglomerates. Site monitoring wells indicate groundwater occurs in this formation at depths ranging to about 30 feet below the ground surface. Many Franciscan Formation monitoring wells are low yield. The natural groundwater gradient direction in the Franciscan Formation has a westerly trend following the surrounding topography and is likely controlled by fractures to some degree.

J. Surface Waters, Wetlands, Floodplains

1. The Site is located on a ridge area that forms a drainage divide between intermittent Tunstall Creek to the north side and Land of Woo Creek to the south side, both of which eventually discharge to Pocket Canyon Creek tributary of the Lower Russian River Hydrologic Area of the Russian River Hydrologic Unit.
2. The Basin Plan generally prohibits new point source discharges of waste to coastal streams and natural drainageways that flow directly to the ocean and requires that existing discharges to these waters be eliminated at the earliest practicable date. Specific types of surface water discharges, such as discharges of stormwater, may be permitted under general NPDES permits. These WDRs do not cover such discharges; the Discharger is responsible for securing and/or enrolling for coverage under the requirements of applicable general NPDES permits for any proposed discharges of water from the facility into surface waters.
3. The Site is not located within a wetland or the 100-year floodplain zone.

K. Precipitation and Stormwater

1. National Weather Service reports Guerneville rainfall ranging from 45-49 inches per year. About 95 percent of storm events occur between the months of

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November and April with fog providing limited precipitation during the summer months.

2. This Order does not replace or supersede the Statewide General NPDES Permit for Stormwater Discharges Associated with Industrial Activities (Industrial General Permit) or the Statewide General NPDES Permit for Discharges of Stormwater Associated with Construction Activities (Construction General Permit). The Discharger must ensure and certify that existing operations and proposed new construction and activities comply with relevant stormwater general permits. Both permits require the Discharger to develop and implement a Storm Water Pollution Prevention Plan (SWPPP) to address a facility's or project's pollutants of concern and identify Best Management Practices (BMPs) to reduce those pollutants in stormwater.

The stormwater reporting is not to determine compliance with any applicable NPDES permit as the reporting requirement for the drainage collection and conveyance etc. is to assess closure management and ensure compliance with this order.

3. Stormwater run-on and runoff from the facility is controlled in a series of rock lined perimeter ditches, storm drains, down chutes, and energy dissipators located at the Site. The drainage system provides for engineered controls before discharge to Tunstall Creek and Land of Woo Creek tributaries to Pocket Canyon Creek and the Russian River.
4. The Order requires that the onsite surface water drainage systems are adequately sized to accommodate peak flows and volumes associated with the 100-year, 24-hour storm. This Order further requires that the Discharger report annually on the adequacy of onsite drainage collection, conveyance, treatment, and any storage features.

L. Corrective Actions

1. The Discharger has conducted groundwater investigations under WDR Order No. 84-003. Results of groundwater investigations and monitoring confirm groundwater impacts in proximity to the landfill perimeter. The source of the groundwater impact has been attributed to leachate sources. Primary pollutants of concern have included general water quality parameters that exceed background conditions. In accordance with Order No. 84-003 groundwater and leachate are sampled and reported on a quarterly basis. Current groundwater reports indicate remaining groundwater impacts with general water quality parameter exceedances at or below water quality objectives.
2. The Monitoring and Reporting Program, attached to this Order, requires that the Discharger provide an Annual Report which summarizes and confirms the

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performance and effectiveness of the corrective action efforts as post closure care proceeds.

3. Monitoring required under this Order will include continued sampling and assessment of corrective action monitoring points used to measure and document contaminant concentrations associated with releases at the Site.

M. Waste Management Unit Design

1. The Site footprint is unlined, and it is exempt from current State and Federal containment criteria. However, because there has been a release from the Waste Management Unit (WMU), the WMU must comply with title 27 requirements for monitoring and corrective action.

N. Monitoring

1. Groundwater, and surface water monitoring must comply with the requirements of title 27, sections 20380-20435. The Discharger is presently monitoring existing units at the facility under MRP No. 84-3. This Order provides an updated MRP to address the results of recent groundwater and leachate monitoring.
2. Attachment B shows surface and groundwater monitoring locations.

O. Closure

1. The Sonoma County Guerneville SWDS was closed in 1984, prior to the federal deadline of Subtitle D (October 9, 1991) and is considered a pre-Federal regulatory closure. In accordance with Order No. 84-003.
2. The Site was construction closed with final cover in 1984 with three feet of compacted clean soil which included one foot of low permeability liner materials compacted to attain 1x10-6 cm/sec or less. A vegetative cover was established on the final slope to provide for erosion control.
3. Perimeter slopes were constructed at 3:1 or less angle with an access road to the top deck. The drainage channels were constructed and required to be maintained at a minimum of 3 percent slope.

P. Antidegradation Policy

1. State Water Board Resolution No. 68-16, "Statement of Policy with Respect to Maintenance of High-Quality Waters in California", (Antidegradation Policy) requires that whenever the existing quality of water is better than the quality established in policies as of the date on which such policies become effective, such existing high quality must be maintained. Any change in the existing high quality is allowed by that policy only if it has been demonstrated to the Regional Water Board that any change will be consistent with maximum benefit to the

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people of the State and will not unreasonably affect present and anticipated beneficial use of such water and will not result in water quality less than that prescribed in the policies. The policy further requires that dischargers meet WDRs that will result in the best practicable treatment or control of the discharge necessary to assure that pollution or nuisance will not occur and that the highest water quality consistent with maximum benefit to the people of the State will be maintained.

2. The Board interprets “high quality waters” as the best water quality that has existed since the Antidegradation Policy was adopted in 1968 after considering any subsequently authorized degradation that has been allowed in compliance with the Policy. As the County has continued to investigate and implement corrective action measures for releases at the Site they have demonstrated reduced impacts associated with those releases. Actions thus far include ceasing landfill operations, capping and construction closure of the waste management unit in accordance with title 27, active leachate collection, management and removal, passive landfill gas management, and maintaining positive drainage off the cap thereby reducing the potential for leachate generation. The County’s chosen design implements current State and Federal standards intended to protect human health and the environment and to protect against water quality impairment. The Regional Water Board has required containment measures at or above the minimum prescriptive standards contained in those regulations.
3. The Discharger is implementing additional operational controls to minimize and manage leachate production especially during periods of peak rainfall.
4. This Order is consistent with the maximum benefit to people of the State because: (i) it provides for continued maintenance, monitoring and improvements of a closed solid waste management unit; and (ii) it requires ongoing assessments and implementation of updated groundwater corrective action plans to ensure protection of groundwater and surface water beneficial uses.
5. Collectively, implementation of these requirements constitutes the best practicable treatment and control of the discharge in accordance with the Antidegradation Policy. The permitted discharge is consistent with the Antidegradation Policy.

Q. CEQA and Other Considerations

1. The discharges covered under this permit are exempt pursuant to California Code of Regulations, title 14, section 15301 (ongoing or existing projects). The Facility is an existing landfill unit, construction closed in 1984, with no expansion of use beyond existing use.

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2. The County of Sonoma submitted a Notice of Categorical Exemption for the replacement of existing leachate storage tanks at the Site as a minor change to the operation of a publicly owned facility involving no expansion of use. The Categorical Exemption was approved on June 4, 2024.
3. The Regional Water Board considered the collective CEQA documentation for the facility including the categorical exemption approved by the County and has determined that the project as proposed will not result in a potentially significant effect on the environment.

R. Procedural Requirements

1. All local agencies with jurisdiction to regulate land use, solid waste disposal, air pollution and to protect public health have approved the use of this facility for the discharge of waste to land stated herein.
2. The Regional Water Board has notified the Discharger and interested agencies and persons of its intent to prescribe WDRs for the discharge and has provided them with an opportunity to submit their written comments and recommendations.
3. The Regional Water Board, in a public meeting, heard and considered all comments pertaining to this facility and discharge.
4. Any person aggrieved by this action of the Regional Water Board may petition the State Water Board to review the action in accordance with Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this Order, except that if the thirtieth day following the date of this Order falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions will be provided upon request or may be found on the [California Waterboards Water Quality Petitions webpage](#) (https://www.waterboards.ca.gov/public_notices/petitions/water_quality/).

S. AB 2108 Requirements

The Regional Water Board publicly noticed the Order and provided opportunities for public comment. Public notice was provided to interested persons and public agencies in the region with jurisdiction over natural resources in the affected area, including the Sonoma County Health Department. The Regional Water Board conducted outreach in potentially affected disadvantaged and tribal communities. The discharge regulated by this Order is not expected to result in a disproportionate impact to disadvantaged or tribal communities. This Order does not include a time

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schedule in accordance with section 13263, subdivision (c) of the Water Code for achieving an applicable water quality objective, an alternative compliance path that allows time to come into compliance with water quality objectives, or a water quality variance (Water Code § 13149.2, subd. (d)). The Regional Water Board has satisfied the outreach requirements set forth in Water Code section 189.7.

THEREFORE, IT IS HEREBY ORDERED that WDRs Order No. 84-003 and associated MRP are terminated, except for enforcement purposes, and that the Discharger, in order to meet the provisions contained in Division 7 of the California Water Code (commencing with section 13000) and regulations adopted thereunder, shall comply with the following:

III. PROHIBITIONS

- A. The discharge of any waste not specifically regulated by this Order is prohibited.
- B. The discharge of waste including solids, liquids, leachate, or landfill gas to surface water, surface water drainage systems or groundwater is prohibited. Water may be discharged in amounts reasonably necessary for dust control, compaction, fire control, and the establishment and maintenance of vegetation.
- C. Disposal of waste to areas outside of the constructed and capped waste footprint boundary as certified and approved by the Executive Officer, is prohibited.
- D. The discharge of "hazardous waste" and "designated waste" at this facility is prohibited. The discharge of leachate from the landfill units and Leachate Collection Recovery Systems (LCRS) and/or tank farms to receiving waters is prohibited. For the purposes of this Order, the terms "hazardous waste" and "designated waste" are as defined in title 27.
- E. The discharge of waste to ponded water from any source is prohibited. Ponding of liquids, including rainfall runoff and leachate, over solid waste disposal cells is prohibited.
- F. The discharge of waste to surface waters or within 50 feet of surface waters is prohibited.
- G. The discharge of landfill wastes, including impacted groundwater, to a stormwater sedimentation basin, is prohibited.
- H. The discharge of wastes from activities occurring upon or within the landfill footprint to surface and/or ground water is prohibited.

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- I. The discharge of any waste in any manner not specifically described or quantified in the findings and regulated by this Order is prohibited.
- J. Creation of pollution, contamination, or nuisance, as defined by Water Code section 13050, is prohibited.
- K. The Discharger shall not cause the concentration of any Constituent of Concern to exceed its respective concentration limit in any monitoring medium. The concentration limit for each monitoring parameter will be set at the background concentration. Data analysis will be performed in accordance with the MRP.

IV. SPECIFICATIONS

A. General Specifications

- 1. The discharge of wastes shall not cause water quality degradation by allowing a statistically or non-statistically significant increase over background or baseline concentrations as determined in accordance with the MRP.
- 2. When conducting post closure maintenance and repairs, wastes shall only be discharged into, and shall be confined to, the landfill units specifically designed for their containment.
- 3. Leachate collection and removal systems shall be operated so as to minimize the buildup of leachate in the WMU and to ensure that wastes in the landfill are not saturated.
- 4. Any leachate generated and collected at the Site shall be handled and disposed of to a legal place of disposal.

B. Construction Specifications

- 1. All ongoing and future phases of maintenance and construction shall be in accordance with the applicable provisions of title 27 and this Order and approved by the Executive Officer prior to operation.
- 2. WMU containment structures shall be designed and constructed under the direct supervision of a California registered civil engineer, or a certified engineering geologist, and shall be certified by that individual as having been constructed in accordance with Regional Water Board approved plans and specifications.
- 3. Materials used to construct any future liners shall have appropriate physical and chemical properties to ensure containment of discharged waste over the post closure maintenance period of the WMU.
- 4. Any post closure reconstruction shall meet the minimum specifications as follows:

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- a. Compacted clay layers in landfill caps shall have a maximum hydraulic conductivity of 1×10^{-6} cm/sec or be equal to the hydraulic conductivity of the bottom liner system or underlying geologic material, whichever is less permeable, and a minimum relative compaction of 90 percent.
- b. Hydraulic conductivities of liner materials shall be measured by laboratory tests using solutions with similar properties as the fluids that will be contained. Hydraulic conductivities of cap materials shall be measured by laboratory tests using water. Hydraulic conductivities measured through laboratory methods shall be confirmed by field-testing in accordance with this Order and MRP.
- c. Construction methods and quality assurance procedures shall be sufficient to ensure that all parts of the cap meet the hydraulic conductivity and compaction requirements.

5. Leachate collection systems shall be fully inspected annually, and integrity tested as needed in accordance with the applicable provisions of title 27. Inspection reports or testing results shall be submitted by February 15, annually and include a complete report of findings, including a statement as to the presence or absence of leachate.

C. Post Closure Specifications

1. All post closure maintenance and repairs to containment structures and erosion and drainage control systems shall be designed and constructed under the direct supervision of a California registered professional civil engineer, or a certified engineering geologist, and shall be certified by that individual as meeting the prescriptive standards and performance goals of title 27. Designs shall include a Construction Quality Assurance (CQA) Plan, the purpose of which is to demonstrate that the structures have been constructed according to the approved specifications and plans and provide quality control on the material and construction practices used to construct the structures and to prevent the use of inferior products and/or materials that do not meet the approved design plans and specifications at closure, each landfill shall receive a final cover in accordance with the State and Federal prescriptive standards, or an approved Engineered Alternative Design.
2. Materials used for and cap reconstruction repair shall have appropriate physical and chemical properties to ensure containment of wastes over the post- closure maintenance period. CQA information and as-built drawings shall be submitted to the Regional Water Board within 60 days of the completion of any phase of re-construction or repair.

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3. Construction methods and quality assurance procedures shall be sufficient to ensure that all parts of the final cover meet the permeability and stability requirements specified in title 27.
4. Vegetation shall be maintained over closed landfill areas. Vegetation shall be selected to require a minimum of irrigation and maintenance and shall have a rooting depth not in excess of the vegetative layer thickness. Vegetation shall be maintained to allow for inspection of the cap and its integrity, including erosion concerns, wildlife damage, etc.
5. Closed landfill units shall be maintained with at least a three percent (3%) grade and maintained to prevent ponding and infiltration.
6. The final WMU slopes shall not exceed a horizontal-to-vertical ratio of 3:1, without benching, to ensure slope stability. All areas subject to erosion by wind or water shall be designed and constructed to prevent such erosion.

D. Protection from Storm Events

1. Closed WMUs shall be designed, constructed, and operated to prevent inundation or washout due to floods with a 100-year return period. Class III landfill units and related containment structures shall be constructed and maintained to prevent, to the greatest extent possible, ponding, infiltration, inundation, erosion, slope failure, washout, and overtopping under 100-year, 24-hour precipitation conditions.
2. Precipitation and drainage control systems shall be maintained on the closed WMUs. They shall be designed and constructed to accommodate the anticipated volume of precipitation and peak flows from surface runoff under 100-year, 24-hour precipitation conditions.
3. By August 15, annually, the Discharger shall submit to the Executive Officer a Winterization Plan describing measures planned to prepare the site and maintain the Site during the wet season.
4. Prior to the anticipated rainy season, but no later than October 1, annually, any necessary erosion control measures shall be implemented, and any necessary construction, maintenance, or repairs of precipitation and drainage control facilities shall be completed to prevent erosion or flooding of the facility and to prevent surface drainage from contacting or percolating through wastes. By December 15, annually, the Discharger shall submit a report to the Executive Officer describing measures taken to comply with this specification.
5. Surface drainage shall be designed to minimize infiltration and shall not be allowed to contact wastes. Internal drainage conveyances shall be located to the maximum extent practicable, such that they do not cross over landfill areas. Drainage over landfill areas shall be contained in engineered conveyance

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structures or in drainage ditches which are lined with at least one foot of compacted soil having an in-place permeability of 1×10^{-6} cm/sec or less or an engineered alternative that provides equivalent or better protection from storm-water infiltration.

V. PROVISIONS

- A. The Discharger shall comply with these WDRs and the attached MRP. A violation of the MRP is a violation of these WDRs. The Discharger shall further comply with all applicable provisions of title 27 not specifically referred to in this Order.
- B. Prior to any maintenance repair construction, the Discharger shall obtain all permits required under Federal, State, or local laws.
- C. The Discharger shall continue to monitor the waste footprint and all underlying media per the MRP throughout the post-closure maintenance period and shall continue until the Regional Water Board determines that the wastes remaining at the site no longer threaten water quality.
- D. The Discharger shall maintain overall leachate management and monitoring.
- E. The Discharger shall have the continuing responsibility to assure protection of waters of the State from discharged wastes, including leachate, that may be generated and discharged during post-closure maintenance periods of the facility and during subsequent use of the property for other purposes.
- F. The Discharger shall provide proof to the Regional Water Board that the deed to the landfill facility property, or some other instrument that is normally examined during title search, has been modified to include, in perpetuity, a notation to any potential purchaser of the property stating that the parcel(s) has been used as a municipal solid waste landfill, and that land use options for the parcel(s) are restricted in accordance with the post- closure land uses set forth in the post-closure plan and in WDRs for the landfill. The document can be provided within the Annual Report.
- G. In the event the Discharger defaults on carrying out either the post-closure maintenance plan or any corrective action needed to address a release, then the responsibility for carrying out such work falls to the property owner.
- H. The Discharger or persons employed by the Discharger shall comply with all notice and reporting requirements of the State Department of Water Resources with regard to the construction, alteration, destruction, or abandonment of all monitoring wells used for compliance with this Order or with the MRP, as required by Water Code sections 13750 through 13755.

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- I. The Discharger shall provide a copy of this Order to all contractors and all subcontractors conducting work and require that a copy of the Order remain in their possession at the work site. The Discharger shall be responsible for work conducted by its contractors or subcontractors.
- J. During times of post closure maintenance or any periods of repair to the waste containment, drainage, or monitoring facilities, legible copies of the daily CQA field notes and summary reports shall be submitted to the Regional Water Board at: NorthCoast@waterboards.ca.gov by noon the following weekday. The facsimile or email shall be addressed to the Regional Water Board, Land Disposal Unit.
- K. The Discharger shall produce an iso-settlement map of the Class III waste footprint and submit it by February 15, 2027. Findings from this analysis will inform whether future differential settlement is likely to be of such magnitude as to impair the unit's containment features (e.g., final cover system) or the free drainage of surface flow. The corresponding findings shall be evaluated to determine whether additional 5-year iso settlement analyses are warranted.
- L. Annually when ponding is most likely to be present, the Discharger shall inspect and note any areas of differential settlement that warrant future observation and/or repair. After repairs are made during drier weather, the Discharger shall survey the revised surface of the repair. The Discharger shall outline the repaired areas on the initial as-built drawings or last iso settlement survey map and show the updated contours. Approximate locations of areas that have been identified for future observation shall also be noted. If no areas of settling are found, the Discharger shall state so in the report. This information shall be included in the Annual Monitoring Report. Such notation and delineation shall be made by, or under the supervision of, a California registered professional civil engineer or California registered professional civil engineer or registered geologist.
- M. All activities covered by this Order must comply with local, State, and Federal law. Prior to any construction, the Discharger shall obtain any and all permits required under federal, state, or local laws.
- N. In the event of any violation or threatened violation of the conditions of this Order, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under applicable State law.
- O. Deliverable Reports, Plans, and Technical Information:
 - 1. Update Corrective Action Workplan and Report:
 - a. The updated corrective action submittals shall review the status of existing groundwater conditions, all existing environmental monitoring locations. The

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submittal shall provide for any additional measures and engineering controls needed to address assessment and/or groundwater impacts at the Site.

- b. Workplan due July 15, 2027.
 - c. Updated Corrective Action Report due February 15, 2028.
2. Spill Contingency Plan Updates:
 - a. Due annually, by February 15, as needed, and included in the Annual Monitoring Report. If no changes are needed the Discharger may advise Regional Water Board staff in the Annual Monitoring Report rather than providing a new copy of the unchanged plan in the Annual Monitoring Report.
3. Winterization Plan.
 - a. The winterization plan shall describe measures to prepare the facility and/or other active areas on the property (including the stockpile management pad) for operations during the wet season.
 - b. Due annually by August 15.
4. Confirmation of Implementation of Winterization Plan:
 - a. This information shall confirm that measures described in the winterization plan have been installed/implemented as proposed, and are adequate for maintaining the Site.
 - b. Due annually by December 15.
5. Leachate Collection System Report:
 - a. Leachate tank farm and collection system shall be fully inspected annually, and evaluated for integrity, as needed. Inspection reports shall be submitted annually and include a complete report of findings and provisions for completion of all necessary maintenance and/or repairs.
 - b. Due annually by February 15.

P. Operation and Maintenance

The Discharger must maintain in good working order and operate as efficiently as possible any facility or control system installed by the Discharger to achieve compliance with the WDRs.

Q. Change in Discharge

The Discharger must promptly report to the Regional Water Board any material change in the character, location, or volume of the discharge.

Waste Discharge Requirements

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Guerneville SWDS

R. Accidental Spills, Incident Reporting and Monitoring

1. The Discharger shall provide and comply with its Emergency Response Plan for any accidental spill or incident pursuant to title 27, section 21132. The Discharger shall immediately report the incident of unintentional or accidental spills and diligently act to abate the effects of the discharge. Written confirmation of the incident is required within two weeks of the discharge. Send written confirmation to NorthCoast@waterboards.ca.gov. Emergency Response Plans shall be reviewed, updated, and submitted to the Regional Water Board as per Section II (F) of Monitoring and Reporting Program Order No. R1-2026-0013.

S. Inspections

1. The Discharger shall permit authorized staff of the State Water Board and Regional Water Board entry upon premises in which an effluent or waste source is located or in which any required records are kept.
2. The Discharger shall permit authorized staff of the State Water Board and the Regional Water Board entry upon premises in which an effluent or waste source is located or in which any required records are kept.
3. The Discharger shall permit authorized staff of the State Water Board and the Regional Water Board access to copy any records required to be kept under the terms and conditions of this Order.
4. The Discharger shall permit authorized staff of the State Water Board and the Regional Water Board inspection of monitoring equipment or records.
5. The Discharger shall permit authorized staff of the State Water Board and the Regional Water Board to sample any discharge.

T. Noncompliance

In the event the discharger is unable to comply with any of the conditions of this Order due to (a) breakdown of waste management equipment; (b) accidents caused by human error or negligence; and/or (c) other causes such as acts of nature, during work day business hours the Discharger must notify the Executive Officer by telephone within 2 hours of discovery of the incident (and by the following work day morning if after work day business hours) and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the noncompliance and shall indicate the steps taken to correct the problem and the dates thereof, and the steps being taken to prevent the problem from recurring. The Discharger shall send written notification to NorthCoast@waterboards.ca.gov.

U. Change in Ownership

Waste Discharge Requirements
Order No. R1-2026-0013
Guerneville SWDS

In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the discharger, the Discharger must notify the succeeding owner or operator of the existence of this Order and the status of the Discharger's annual fee account by letter, a copy of which must be forwarded to the Regional Water Board.

V. Vested Rights

This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, nor protect the Discharger from liability under Federal, State, or local laws, nor create a vested right for the Discharger to continue the waste discharge.

W. Revision of Requirements

The Regional Water Board will review this Order periodically and may revise its requirements when necessary.

X. Annual Fees

Authorization under this Order is conditioned upon payment of annual fees as required and when due, pursuant to Water Code section 13260.

CERTIFICATION

I, Valerie Quinto, Executive Officer, do hereby certify that this Order with all attachments is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, North Coast Region, on June 16-17, 2026.

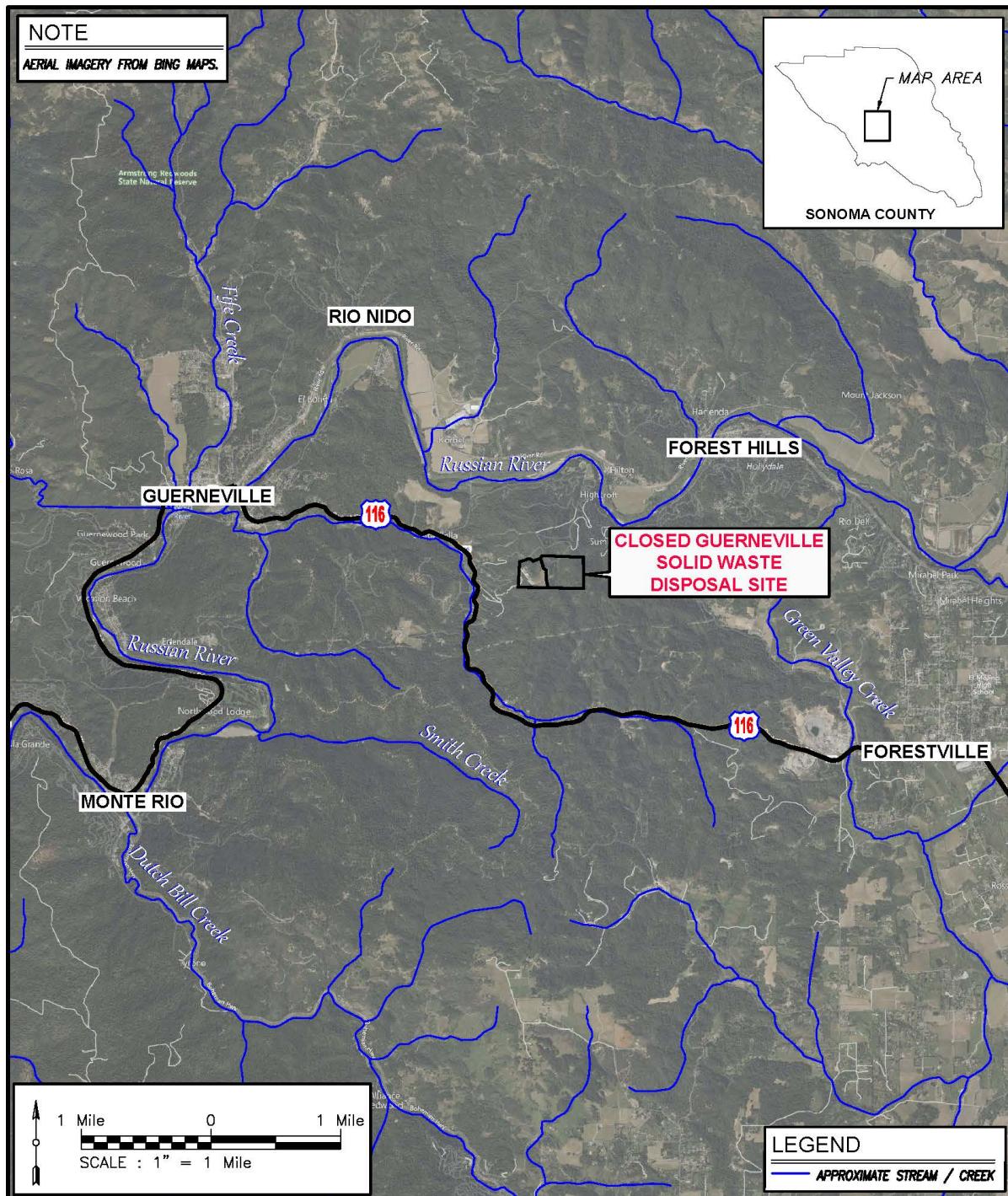
Valerie Quinto
Executive Officer

26_0013_Guerneville SWDS_WDR

LIST OF ATTACHMENTS

1. ATTACHMENT A DISPOSAL SITE VICINITY MAP
2. ATTACHMENT B SITE MAP
3. ATTACHMENT C INERT SOIL STORAGE AREA
4. MONITORING AND REPORTING PROGRAM R1-2026-0013

**ATTACHMENT A
DISPOSAL SITE VICINITY MAP**



LOCATION MAP
CLOSED GUERNEVILLE SOLID WASTE DISPOSAL SITE
SONOMA COUNTY, CALIFORNIA

FIGURE
1
19-2787

ATTACHMENT B
SITE MAP

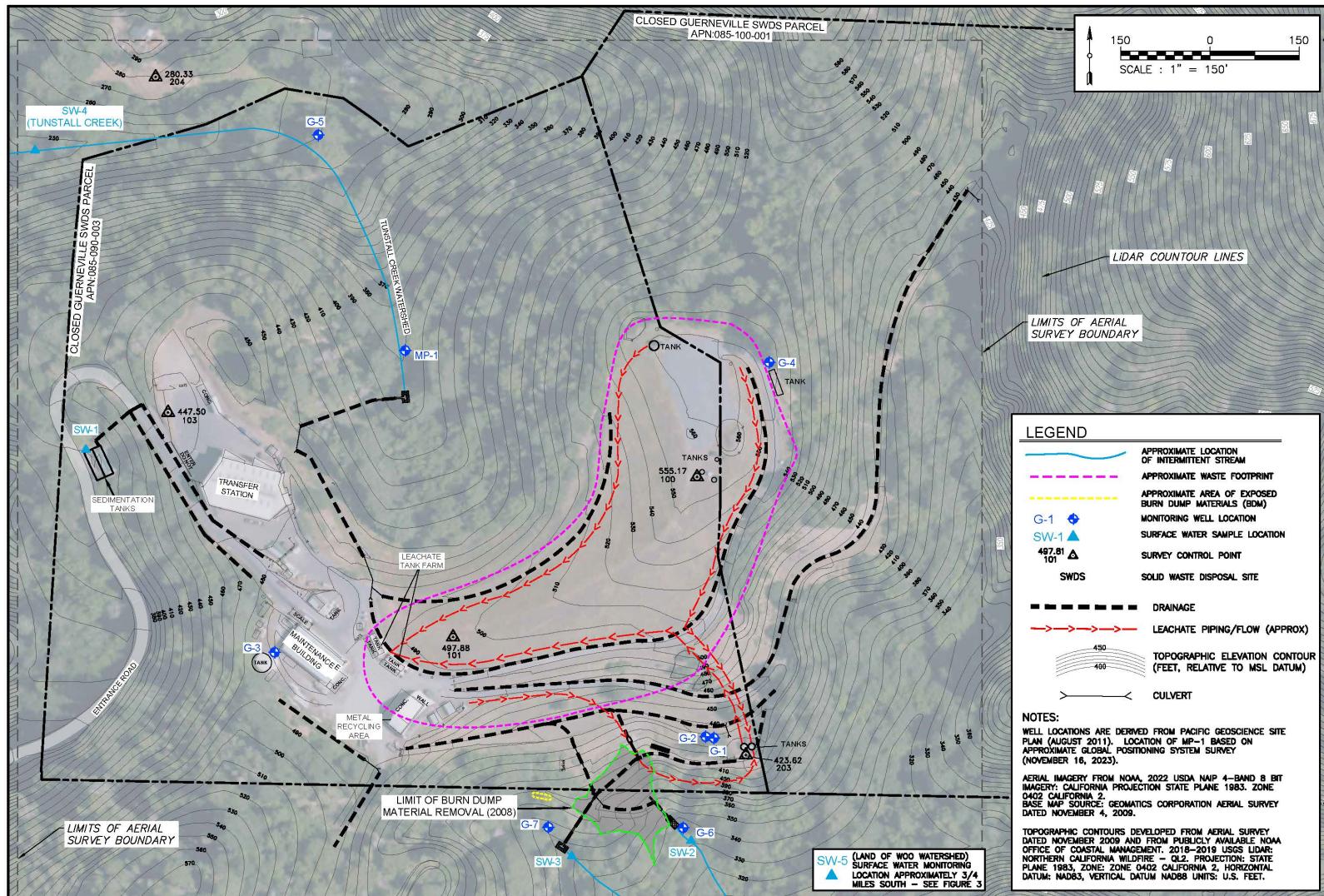
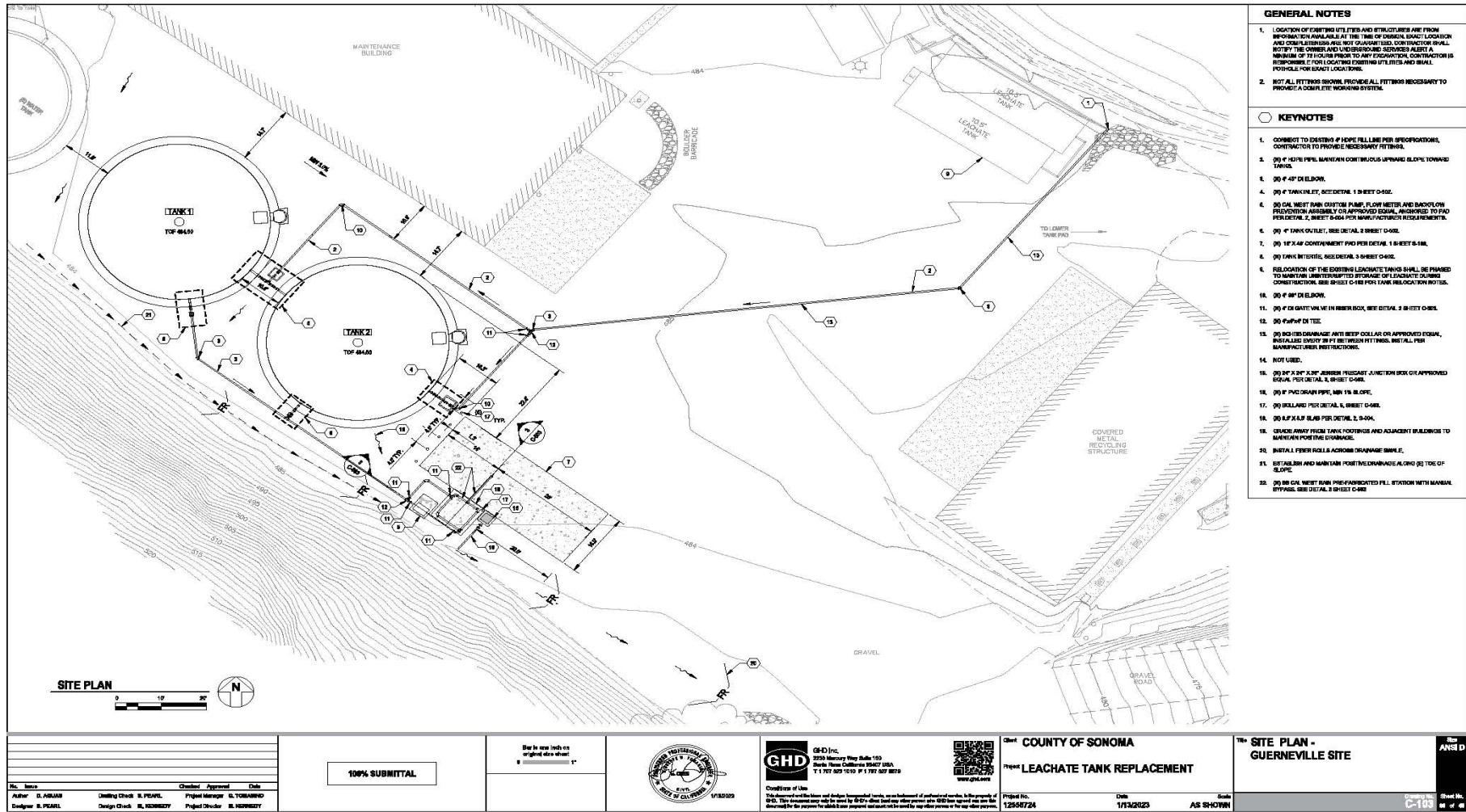


FIGURE
2
19-2787

SITE MAP
CLOSED GUERNEVILLE SOLID WASTE DISPOSAL SITE
SONOMA COUNTY, CALIFORNIA

Waste Discharge Requirements
Order No. R1-2026-0013
Guerneville SWDS

ATTACHMENT C
LEACHATE TANK STORAGE AREA



No. Name Checked Approved Date
Author: D. ARABAN Checked: N. PEARL Project Manager: S. YOSHIMOTO
Designer: S. PEARL Design Check: N. KENNEDY Project Director: N. HEDGES
Print Date: 14 January 2023 10:44 AM
Printed by: N. PEARL File Name: 100% Submittal - Guerneville Leachate Tank Replacement Project - 12556724.dwg
File Path: C:\Users\N. PEARL\OneDrive\White Fireweed Project\100% Submittal\100% Submittal - Guerneville Leachate Tank Replacement.dwg

Waste Discharge Requirements
Order No. R1-2026-0013
Guerneville SWDS