PETITION FOR VARIANCE
BEFORE THE HEARING BOARD OF THE
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

PETITIONER: CITY OF RIVERSIDE, WATER QUALITY CONTROL PLANT

CASE NO: 5674-10

FACILITY ID: 9961

FACILITY ADDRESS: 5950 ACORN ST
[location of equipment/site of violation; specify business/corporate address, if different, under Item 2, below]

City, State, Zip: RIVERSIDE, CA 92504

1. TYPE OF VARIANCE REQUESTED (more than one box may be checked; see Attachment A, Item 1, before selecting)

☐ INTERIM ☒ SHORT ☐ REGULAR ☐ EMERGENCY ☒ EX PARTE EMERGENCY

2. CONTACT: Name, title, company (if different than Petitioner), address, and phone number of persons authorized to receive notices regarding this Petition (no more than two authorized persons).

ROBERT ELAND	ANTHONY BEAUMON
Public Works – Wastewater, City of Riverside	Sr. Deputy City Attorney
5950 Acorn St	3900 Main Street
Riverside, CA Zip 92504	Riverside, CA Zip 92501
☎ (951) 351-6095 Ext.	☎ (951) 826-5319 Ext.
Fax ( )	Fax ( )
E-mail reland@riversideca.gov	E-mail abeaumon@riversideca.gov

3. RECLAIM Permit ☐ Yes ☒ No Title V Permit ☐ Yes ☒ No

Persons with disabilities may request this document in an alternative format by contacting the Clerk of the Board at 909-396-2500 or by e-mail at clerkofboard@aqmd.gov.

If you require disability-related accommodations to facilitate participating in the hearing, contact the Clerk of the Board at least five (5) calendar days prior to the hearing.

[ALL DOCUMENTS FILED WITH CLERK'S OFFICE BECOME PUBLIC RECORD]

4. **GOOD CAUSE:** Explain why your petition was not filed in sufficient time to issue the required public notice. (Required only for Emergency and Interim Variances; see Attachment A, Item 4)

Leak No. 1: On April 16, 2026, at approximately 0800 hours, Riverside Regional Water Quality Control Plant (RWQCP) Maintenance Staff were completing preventive maintenance (PM) on Digester 3's mixer when a gas leak was heard. At approximately 1335 hours after thorough investigation of the area a digester gas leak was confirmed coming from Digester 3's Sight Glass. RWQCP Regulatory Staff notified AQMD of the leak at 1444 hours – **Breakdown Notification 884797, Operator No. 4**. At approximately 1700 hours, RWQCP Maintenance Staff completed their first attempt at stopping the leak utilizing string packing and silicone self-sealing tape. Three (3) attempts have been completed by RWQCP staff to stop the leak, and while the leaks have temporarily stopped, the leak has continued intermittently since it was first reported to AQMD on April 16, 2026. As requested by RWQCP AQMD Inspector, Charles Herrera, a second Breakdown Notification – **Notification No. 885796, Operator No. 5** – was reported to AQMD on April 23, 2026, at 1325 hours, after the RWQCP's second attempt to stop the leak did not succeed. RWQCP Operations Staff have continued to monitor the site for H2S every four (4) hours and will continue to monitor until normal operations can be achieved. All monitoring events are recorded.

Leak No. 2: On April 17, 2026, a second leak coming from Digester 3's Flame Arrestor was identified by RWQCP Operations Staff, who reported a second Breakdown Notification was to AQMD – **Notification No. 884907, Operator No. 5** at approximately at 0903 hours. At approximately 1300 hours, RWQCP completed its first attempt at stopping the leak by installing a gasket on the flame arrestor. RWQCP has made multiple attempts at stopping the leak since it was first reported on April 17, 2026, and while temporarily stopped, the leak has continued intermittently. RWQCP Operations Staff have continued to monitor the site for H2S every four (4) hours and will continue to monitor until normal operations can be achieved. All monitoring events are recorded.

To achieve full compliance, Digester 3 must first be depressurized, which requires it to be taken offline and emptied. RQWCP cannot do this until Digester 4 is available to replace it and accept the contents. Digester 4 is currently undergoing maintenance, RWQCP staff anticipates several weeks to finalize installation of linear motion mixer/flow meters and to exercise the existing equipment. Then a week to purge the digester with nitrogen. According to our staff and contractors, the best estimate for Digester 4 availability is mid to late May.

5. Briefly describe the type of business and processes at your facility.

RWQCP is a Publicly Owned Treatment Works (PTOW) with a rated capacity of 46 MGD. RWQCP is responsible for the collection and treatment of wastewater generated within the City of Riverside and the communities of Edgemont, Jurupa, and Rubidoux, serving a population of over 300,000 residents. The treatment processes consist of primary, secondary, and tertiary treatment, including Activated and MBR treatment trains, as well as disinfection/dichlorination. Additionally, RWQCP handles and treats the sludge produced throughout the wastewater treatment process. All treated sludge is hauled off site by a third-party contractor.

RWQCP is permitted by AQMD under Permit No. G82104, A/N 656209.

6. List the equipment and/or activity(s) that are the subject of this petition (see Attachment A, Item 6, Example #1). **Attach copies of the Permit(s) to Construct and/or Permit(s) to Operate for the subject equipment. For RECLAIM or Title V facilities, attach *only* the relevant sections of the Facility Permit showing the equipment or process and conditions that are subject to this petition. You must bring the entire Facility Permit to the hearing.**

Equipment/Activity	Application/ Permit No.	RECLAIM Device No.	Date Application/Plan Denied (if relevant)*
Wastewater Treatment Plant	A/N 656209 P/N G82104	N/A	N/A

*Attach copy of denial letter

7. Briefly describe the activity or equipment, and why it is necessary to the operation of your business. A schematic or diagram may be attached, in addition to the descriptive text.

Digester 3 is included under RWQCP AQMD P/N G82104 as part of the facility's Solids Handling System. Digester 3 is approximately 90' in diameter and 38' in height with pump mixers, pressure relief and vacuum breaker valves, and a carbon adsorber with an approximate capacity of 400 lb. The Digester is an essential part of the RWQCP's wastewater treatment process, including continued capability to perform sludge anaerobic digestion, as well as methane production.

RWQCP is a 24 hour – 365 day a year operated facility, requiring all systems to perform as intended to maintain quality public service and operation of treatment processes.

8. Is there a regular maintenance and/or inspection schedule for this equipment? Yes ☒ No ☐

If yes, how often: Daily/Per Manufacturer Recommendation

Date of last maintenance and/or inspection PM: 4/16/2026; Inspection: 4/24/2026

Describe the maintenance and/or inspection that was performed.

RWQCP Operations staff conduct daily visual inspections, monitoring, and readings of digesters and related equipment, including mixers, flow meters, etc., RWQCP SCADA system allows Operations Staff to monitor equipment meters live.

RWQCP Maintenance Staff conducts PM and general maintenance of digesters and related equipment as recommended by equipment manufacturer specifications.

[YOU MAY ATTACH ADDITIONAL PAGES IF NECESSARY]

9. List all District rules, and/or permit conditions [indicating the specific section(s) and subsection(s)] from which you are seeking variance relief (if requesting variance from Rule 401 or permit condition, see Attachment A). Briefly explain how you are or will be in violation of each rule or condition (see Attachment A, Item 9, Example #2).

Rule	Explanation
P/N G82104 Condition 17	Operation of this equipment shall not result in the release of raw digester gas into the atmosphere – Digester 3 gas leaks have intermittently released digester gas since leaks confirmed
P/N G82104 Condition 16/ AQMD Rule 430	Any breakdown of this equipment which results in a violation of any rule or permit condition not specified in Rule 430 shall be reported to AQMD within one hour of breakdown – Digester 3 leaks have intermittently released digester gas, resulting in continuous breakdown

10. Are the equipment or activities subject to this request currently under variance coverage? Yes ☐ No ☒

Case No.	Date of Action	Final Compliance Date	Explanation

11. Are any other equipment or activities at this location currently (or within the last six months) under variance coverage? Yes ☐ No ☒

Case No.	Date of Action	Final Compliance Date	Explanation

12. Were you issued any Notice(s) of Violation or Notice(s) to Comply concerning this equipment or activity within the past year? Yes ☐ No ☒

If yes, you must attach a copy of each notice.

13. Have you received any complaints from the public regarding the operation of the subject equipment or activity within the last six months? Yes ☐ No ☒

[YOU MAY ATTACH ADDITIONAL PAGES IF NECESSARY]

If yes, you should be prepared to present details at the hearing.

14. Explain why it is beyond your reasonable control to comply with the rule(s) and/or permit condition(s). Provide specific event(s) and date(s) of occurrence(s), if applicable.

As detailed in Section 4 of this Petition for Variance, RWQCP reported three (3) Breakdown Notifications (884797, 884907, and 885796) for Digester 3 gas leaks. Since the first leak was reported on April 16, 2026, as well as the leak reported on April 17, 2026, RWQCP has completed several attempts to stop the gas leaks at both sites, while the gas leaks were stopped temporarily, they have resumed intermittently with sporadic H2S readings. RWQCP determined that a permanent solution to the leaks requires that Digester 3 be placed offline to complete full repairs of equipment. In the meantime, RWQCP Operations Staff continue H2S monitoring at both sites every four (4) hours. All monitoring events are recorded.

To achieve full compliance RWQCP must place Digester 3 offline, and transfer contained sludge to Digester 4. The timeline for completion is mid to end of May.

15. When and how did you first become aware that you would not be in compliance with the rule(s) and/or permit condition(s)? Provide specific event(s) and date(s) of occurrence(s).

Since the first leak was reported on April 16, 2026 (Notification No. 884797), and its subsequent notification on April 23, 2026 (Breakdown Notification 885796), RWQCP has completed three (3) attempts to stop the leak, with attempts only working temporarily. Similarly, with Notification No. 884907, RWQCP has attempted to stop the leak with only temporary success. Considering the time elapsed since the leaks were first reported and the intermittent gas releases, RWQCP Management Staff determined the best course of action would require an Emergency Petition to Variance in addition to efforts for placing Digester 3 offline and transferring contained sludge to Digester 4, for which a projected timeline is expected to be mid to late May.

16. List date(s) and action(s) you have taken since that time to achieve compliance. That the Petition Form HB-V, and any related instructions, include requirement that the Petitioner include a timeline in suitable, chronological format to address the events, dates, and actions called for by Questions 15 and 16, including the dates of communication with the South Coast AQMD to notify them of the occurrence(s) giving rise to the requested variance.

On April 16, 2026, at 1444 hours RWQCP notified AQMD of Digester 3 Sight Glass leak (Breakdown Notification 884797), at 1700 hours RWQCP staff completed their first attempt at stopping gas leak using string packing and silicone self-sealing tap. At approximately 1530 hours, AQMD Inspector Charles Herrera arrived at RWQCP to complete his inspection of the leak site. RWQCP Operations Staff continue H2S monitoring every four (4) hours.

On April 20, 2026, at approximately 0900 hours Operations Staff recorded H2S at Digester 3 Sight Glass, a second attempt was completed to stop the leak at approximately 1330 hours using a polyurethane sealant. An email update was sent to AQMD Inspector Charles Herrera at approximately 1400 hours. RWQCP Operations Staff continue H2S monitoring every four (4) hours.

On April 22, 2026, at approximately 0900 hours Operations Staff recorded H2S at Digester 3 Sight Glass, a third attempt was completed to stop the leak at approximately 1700 hours using a polyurethane sealant around the circumference of the gasket. An email update was provided to AQMD Inspector Charles Herrera on April 23, 2026, at 1004 hours. An additional Breakdown Notification was requested by Inspector Charles Herrera for the leak at Digester 3's Sight Glass. On April 23, 2026, at 1325 a Breakdown Notification was reported to AQMD for the Digester 3 Sight Glass gas leak (Notification No. 885796). RWQCP Operations Staff continue H2S monitoring every four (4) hours.

On April 17, 2026, at 0903 hours RWQCP notified AQMD of Digester 3 Flame Arrestor leak (Breakdown Notification 884907), at approximately 1300 hours, RWQCP completed its first attempt at stopping the leak by installing a gasket on the flame arrestor. At approximately 1045 hours, AQMD Inspector Charles Herrera arrived at RWQCP to complete his inspection of the leak site. RWQCP Operations Staff continue H2S monitoring every four (4) hours

17. What would be the harm to your business during **and/or after** the period of the variance if the variance were not granted?

Economic losses: $_____N/A_____

Number of employees laid off (if any):_____N/A_____

Provide detailed information regarding economic losses, if any, (anticipated business closure, breach of contracts, hardship on customers, layoffs, and/or similar impacts).

[YOU MAY ATTACH ADDITIONAL PAGES IF NECESSARY]

N/A

18. Can you curtail or terminate operations in lieu of, or in addition to, obtaining a variance? Please explain.

Digester 3 must first be depressurized, which requires it to be taken offline and emptied. RQWCP cannot do this until Digester 4 is available to replace it and accept the contents. Digester 4 is currently undergoing maintenance, RWQCP staff anticipates several weeks to finalize installation of linear motion mixer/flow meters and to exercise the existing equipment. Then a week to purge the digester with nitrogen. According to our staff and contractors, the best estimate for Digester 4 availability is mid to late May.

19. Estimate excess emissions, if any, on a daily basis, including, if applicable, excess opacity (the percentage of total opacity above 20% during the variance period). If the variance will result in no excess emissions, insert "N/A" here and skip to No. 20.

Pollutant	(A) Total Estimated Excess Emissions (lbs/day)	(B) Reduction Due to Mitigation (lbs/day)	(C) Net Emissions After Mitigation (lbs/day)
H2S	0.008908	Leak is intermittent	0.008908

[YOU MAY ATTACH ADDITIONAL PAGES IF NECESSARY]

* Column A minus Column B = Column C

Excess Opacity: _____ %

20. Show calculations used to estimate quantities in No. 19, **or** explain why there will be no excess emissions.

RWQCP Engineering Staff estimate the leak from the sight glass at 0.9 scfm and the leak from the flame arrestor assembly at 0.0005 scfm. The initial leaks have been repaired but leaking is still intermittent and monitored continuously. 0.9005 scfm, 1,296.72 scfd at 76.7 ppmv H2S.

ppmv / 1,000,000 x scfd / 379.6 x 34

0.008908 lbs/day

21. Explain how you plan to reduce (mitigate) excess emissions during the variance period to the maximum extent feasible, or why reductions are not feasible.

The leak is intermittent and each time h2s is detected, Maintenance Staff attempts to seal the crack with a special elastomeric adhesive/sealant, Manus-Bond. Operations Staff monitors the locations every 4 hours.

[YOU MAY ATTACH ADDITIONAL PAGES IF NECESSARY]

22. How do you plan to monitor or quantify emission levels from the equipment or activity(s) during the variance period, and to make such records available to the District? **Any proposed monitoring does not relieve RECLAIM facilities from applicable missing data requirements.**

RWQCP plans to continue monitoring the leaks every 4 hours, 24 hours a day. Calculations to quantify emission levels will use daily h2s concentrations and leak volumes.

23. How do you intend to achieve compliance with the rule(s) and/or permit condition(s)? Include a detailed description of any equipment to be installed, modifications or process changes to be made, permit conditions to be amended, etc., dates by which the actions will be completed, and an estimate of total costs.

In mid to late May 2026, Digester 4 will be brought online and sludge will be transferred from Digester 3 to Digester 4. Once the sludge is transferred to Digester 4, Digester 3 will be empty and can then be repaired.

24. State the date you are requesting the variance to begin: April 27, 2026; and the date by which you expect to achieve final compliance: June 15, 2026.

If the regular variance is to extend beyond one year, you **must** include a **Schedule of Increments of Progress**, specifying dates or time increments for steps needed to achieve compliance. See District Rule 102 for definition of Increments of Progress (see Attachment A, Item 24, Example #3).

List Increments of Progress here:

N/A

25. List the names of any District personnel with whom facility representatives have had contact concerning this variance petition or any related Notice of Violation or Notice to Comply.

Charles Herrera Ext. 3655

Ext.

26. If the petition was completed by someone other than the petitioner, please provide their name and title below.

Name Company Title

The undersigned, under penalty of perjury, states that the above petition, including attachments and the items therein set forth, is true and correct.

Executed on April 27, 2026, at Riverside, California

Signature

Robert Eland
Print Name

Title: Technical & Compliance Manager

[YOU MAY ATTACH ADDITIONAL PAGES IF NECESSARY]

This initial permit must be renewed ANNUALLY unless the equipment is moved, or changes ownership.
If the billing for the annual renewal fee (Rule 301(d)) is not received by the expiration date, contact the District.

Legal Owner or Operator:

RIVERSIDE CITY, WATER QUALITY CONTROL
5950 ACORN ST
RIVERSIDE, CA 92504-1036

ID 9961

Equipment Location: 5950 ACORN ST, RIVERSIDE, CA 92504-1036

Equipment Description :

Modification of Existing Wastewater Treatment Plant, (46 MGD Capacity), Previously Permitted under A/N 635020: PC/PO G76576:

By the removal of:

9. Solids Handling System, Consisting of:

   B. Organic Receiving and Processing Station, 60,000 GPD Capacity with two Offloading Stations, Each with Incline Rock Traps, Grinders, FOG Screen Traps, Transfer Rock Conveyors.

   L. Two Belt Presses, Each Approximately 7' W. x 45' L., with a Dry Polymer Mixing and Feed Tank.

   N. One Sludge Hopper, with Two Associated Silo Delivery Pumps.

And by the addition of:

9. Solids Handling System, Consisting of:

   A. (Insert to 9B) Organic Receiving and Processing Station, 125,000 GPD Capacity with two Offloading Stations, Two Organic Polishing Units for Plastics and Grit Removal, with Two Carbon Adsorbers, Each with Approximately 400-pound Capacity.

   B. (Insert to 9C) Feedstock Buffer Tank, 35.5' Dia. x 40' H., with Two Mixers, One Heat Exchanger, Heating Pump, Transfer Pumps, and Associated Pipe Loops, including Gas Piping from the Tank Headspace Connected to the Digester Biogas Header.

   C. (Insert to 9E) Two Digesters, Nos. 1 and 2, Each Approximately 95' Dia. x 32' H., Each with Restaurant Grease Injection System, Pumps, Mixers, Pressure Relief Valve, Vacuum Breaker Valve, and Two Carbon Adsorbers, Each with Approximately 400-pound Capacity.

   D. (Insert to 9L) One Centrifuge, No Greater Than 400 GPM Capacity.

   E. (Insert to 9N) One Sludge Hopper, with Two Associated Bucket Conveyor Systems.

   F. (Insert to 9H) Digester Gas Header.

ORIGINAL

For a final equipment description of:

Wastewater Treatment Plant, 46 MGD Capacity, Consisting of:

1. Community Services Districts Influent Station, Gravity Fed.
2. Sewage Receiving Station, with Truck and RV Unloading Stations.
3. Head Works Station, with Four Bar Screens, Two Screenings Compactors, Dual Grit Removal, Separation and Dewatering System, and Disposal Bin.
4. Weir Box/Flow Splitter.
5. Storage Tank, Ferric Sulfate/Ferric Chloride, Approximately 10' Dia. x 15'-8" H.
6. Membrane Bioreactor (MBR) Treatment Train, 33.5 MGD, Consisting of:
   - A. Four Circular Primary Clarifiers, Nos. 1-4, Each Approximately 120' Dia. x 12' D.
   - B. Fine Screen Facility, with Four Rotary Drum Screens.
   - C. Five MBR Aeration Basins, Nos. 1-5, Each Approximately 40' L. x 200' W. x 16'-4" D.
   - D. Eight MBR Treatment Trains, Each with 20 Cassette Slots per Train.
   - E. Associated Electric Blowers.
   - F. One Citric Acid Storage Tank, Approximately 6,028 gallons.
7. Activated Treatment Train, Consisting of:
   - A. Four Primary Clarifiers, Nos. 1-4, Each Approximately 95' Dia. x 10' D.
   - B. Six Aeration Basins, Nos. 1-6, Each Approximately 250' L. x 40' W. x 17'-1" D.
   - C. Two Secondary Sedimentation Basins (Clarifiers), Nos. 1-2, Each Approximately 130' Dia. x 13' D.
   - D. Two Secondary Sedimentation Basins (Clarifiers), Nos. 3-4, Each Approximately 100' Dia. x 10'-3" D.
8. Two Primary Effluent Equalization Basins, Approximately 10-million-gallon Combined Capacity.
9. Solids Handling System, Consisting of:
   - A. Two Dissolved Air Flotation Thickeners, Each Approximately 37' Dia. x 10' D., with Polymer Injection System and Associated Pumps and Blowers.
   - B. Organic Receiving and Processing Station, 125,000 GPD Capacity with two Offloading Stations, Each with Two Organic Polishing Units for Plastics and Grit Removal, with Two Carbon Adsorbers, Each with Approximately 400-pound Capacity.

C. ~~Feedstock Buffer Tank, 35.5' Dia. x 40' H., with Two Mixers, One Heat Exchanger, Heating~~ Pump, Transfer Pumps, and Associated Pipe Loops, including Gas Piping from the Tank Headspace Connected to the Digester Biogas Header.

D. Solid Blending Facility, with two Approximately 21,000-gallon Blending Tanks, Associated Grinders, Pumps, and a Ferric Chloride Dosing Station with Two Tanks, Approximately 10,000 Gallons Each, with Two Carbon Canisters, Each with Approximately 900-pound Capacity.

E. Two Digesters, Nos. 1-2, Each Approximately 95' Dia. x 32' H., Each with a Restaurant Grease Injection System, Pumps, Mixers, Pressure Relief Valve, Vacuum Breaker Valve, and Two Carbon Adsorbers, Each with Approximately 400-pound Capacity.

F. Two Digesters, Nos. 3-4, Each Approximately 90' Dia. x 38' H., Each with Linear Motion Mixers, Heat Exchangers, Sludge Recirculation Pumps, Sludge Transfer Pumps, and Foam Suppression Spray and Associated Pipe Loops, and Two Carbon Adsorbers, Each with Approximately 400-pound Capacity.

G. One Digester, No. 5, Approximately 75' Dia. x 32' H., with: Pump Mixers, Pressure Relief Valve, and Vacuum Breaker Valve, and Carbon Adsorber with Approximately 400-pound Capacity.

H. One Aboveground Low-pressure Digester Gas Membrane-based Storage Dome, Approximately 175,000 Cubic Foot Capacity, with a Digester Gas Header.

I. Two Bulk Liquid Polymer Tanks, Nos. 1 and 2.

J. Digested Sludge Holding Tank, Approximately 88' Dia. x 38'-6" H., with Associated Pumps, Mixers, Pressure Relief Valve, and Two Carbon Adsorbers Each with Approximately 400-pound Capacity.

K. One Centrifuge, No Greater Than 275 GPM Capacity.

L. One Centrifuge, No Greater Than 400 GPM Capacity.

M. Two Screw Presses, No Greater Than 1,100 lbs/hr Capacity.

N. One Sludge Hopper, with Two Associated Bucket Conveyor Systems.

O. Conveyor, Belt Type, Approximately 2' W. x 119' L.

P. One Sludge Hopper, with Two Associated Bucket Conveyor Systems.

Q. Two Storage Silos, Dewatered Sludge, Elevated, Each Approximately 16'-4" Dia. x 52' H., with Sliding Frame/Truck Loading Station.

R. Existing Drying Beds for Temporary Storage of Dewatered Biosolids, Approximately 4 Acres x 4'-0" H.

10. Tertiary Treatment Plant (serving the Activated Treatment and MBR Treatment Trains), Consisting of:

A. Four Secondary Equalization Basins, Each Approximately 165' W. x 297' L. x 7'-2" D.

B. Ten Tertiary Filters, Nos. 1-10, Sand Bed Type, Each Approximately 552.5 Sq. Ft.

C. Six Tertiary Filters, Nos. 11-16 Sand Bed Type, Each Approximately 650 Sq. Ft.

D. Three Chlorine/De-chlorination Contact Basins, Nos. 1-3, No Greater Than 6.6-million-gallon Combined Volume Capacity.

E. Three Storage Tanks, Sodium Hypochlorite, Each Approximately 20,000-gallon Capacity.

F. Three Storage Tanks, Sodium Bisulfite, Two Approximately 12,000-gallon Capacity and One Approximately 10,000-gallon Capacity.

G. Four Backwash Water Ponds, No Greater Than 960,000-gallon Combined Capacity.

H. Two Backwash Supply Tanks, Each Approximately 655,600-gallon Capacity.

Conditions :

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.

2. This equipment shall be properly maintained and kept in good operating condition at all times.

3. This equipment shall be operated and maintained by personnel properly trained in its operation.

4. The daily flow of the wastewater treated at this facility shall be recorded and shall not exceed 46 million gallons per day, on a monthly average. In the event the effluent flow limit is exceeded because of extreme weather conditions or in emergency situations involving public health and safety, the facility shall, within 30 days from the end of the month, produce and retain written documentation explaining the exceedance.

5. The facility shall not dry any raw sewage sludge at this facility.

6. Except for events too short in duration to perform Hydrogen Sulfide (H2S) monitoring, whenever digester gas or system gases are vented through a relief valve, the H2S concentration in the exhaust vent shall be measured and recorded, using colorimetric tubes or another appropriate and calibrated device. Each case when the duration was too short shall be noted in the log.

7. The concentration of hydrogen sulfide (H2S) at any carbon adsorber exhaust vent shall be measured using either colorimetric tubes, a portable H2S analyzer, or other method approved in writing by the South Coast AQMD, at least once every two weeks.

8. The H2S concentration at each carbon adsorber exhaust vent shall not exceed 1 ppmv.

9. Whenever the concentration of H2S exceeds 0.8 ppmv in any carbon adsorber exhaust vent, fresh activated carbon shall be placed into service before the next venting event. The operator shall log all carbon replacement events.

10. The digester gas flow rate through each carbon adsorber shall not exceed 300 CFM or through each carbon adsorber pair shall not exceed 600 CFM. A flow indicating device or pressure gauge shall be installed and maintained at the inlet or outlet of the carbon adsorber or carbon adsorber pair. If a pressure gauge is used, a conversion chart shall be maintained to indicate the corresponding digester gas flow rate, in CFM. The digester gas flow rate shall be recorded at each carbon adsorber or carbon adsorber pair.

11. A flow recording device to show the total production of digester gas (in SCFM) shall be installed. In case a dedicated flow recorder is not installed to show the total digester gas production, an electronic flow recorder shall be installed and maintained which records the sum of digester gas flow going to various digester gas combustion devices. Flow meters shall be installed and maintained as per manufacturer specifications and shall be recording digester gas flow at 15-minute intervals at minimum.

12. Raw digester gas shall not be released from any digester except for residual gas which remains after venting pressurized gases to the maximum extent feasible through the passive carbon adsorbers mounted on top of each digester. Residual gas release shall only be allowed during maintenance work or cleaning of the digester and related digester gas system. The owner or operator shall take all applicable steps to minimize any release of residual gas during maintenance work or cleaning of the digesters.

13. The operator shall monitor, at least once every two weeks, total sulfur compounds calculated as hydrogen sulfide burned in gaseous fuels other than natural gas, in accordance with Test Method(s) required by Rule 431.1(f). All monitoring results shall be kept and maintained for at least five years and made available to South Coast AQMD personnel upon request. If this facility emits total sulfur compounds equal to or greater than 5 pounds per day, calculated as hydrogen sulfide from the burning of gaseous fuels other than natural gas, the operator no longer is eligible for the Rule 431.1(g)(8) exemption and shall:

A. Continue to monitor, at least once every two weeks, total sulfur compounds calculated as hydrogen sulfide burned in gaseous fuels other than natural gas until the following, pursuant to Rule 431.1(d):
   i. A properly operating continuous fuel gas monitoring system (CFGMS) is used to determine the sulfur content, calculated as hydrogen sulfide of the fuel gas prior to burning, or
   ii. A continuous emission monitoring system (CEMS) is used to determine the SOx emissions after burning, or
   iii. An alternative monitoring method via an approved and valid Rule 431.1 Alternative Monitoring Plan is used to determine the sulfur content, calculated as hydrogen sulfide of the fuel gas prior to burning.

B. Within 30 days, submit to South Coast AQMD a plan to demonstrate compliance with the requirements of Rule 431.1.

C. Within six months, submit to South Coast AQMD an application for a fuel gas control system.

D. Within 18 months, the operator shall demonstrate compliance with the sulfur concentration limit(s) specified in Table 1 of Rule 431.1, in accordance with Test Methods required by Rule 431.1(f).

E. Comply with Rule 431.1(d)(1) and Rule 431.1(d)(2), or Rule 431.1(d)(3).

14. Spent carbon shall be maintained or stored in closed containers prior to removal from the site.

15. All digester gas and off-specification biogas collected from this equipment or the equipment operating under A/N 656210 or subsequent shall be directed to appropriate treatment or combustion equipment which has a valid Permit to Construct and/or Operate issued by South Coast AQMD.

16. Any breakdown of this equipment which results in a violation of any rule or permit condition not specified in Rule 430(b)(3)(B) shall be reported to the South Coast AQMD within one hour of breakdown, or within one hour of the time said person knew or reasonably should have known of its occurrence.

17. Operation of this equipment shall not result in the release of raw digester gas into the atmosphere. Any breakdown or malfunction of this equipment resulting in the emission of raw digester gas shall be reported to the South Coast AQMD within one hour of such breakdown or within one hour of the time the operator knew or reasonably should have known of its occurrence and immediate remedial measures shall be undertaken to correct the problem and prevent further emissions into the atmosphere.

18. This equipment shall not be operated unless the headworks, grit removal system, and all operating primary clarifiers are vented to air pollution control systems which are in full use and have a valid permit issued by the South Coast AQMD, except for biofilter media replacement or equipment maintenance events as described on the valid air pollution control system permits.

19. All sewage sludge shall be piped and stored in an enclosed manner to prevent the release of air contaminants until after the sewage sludge dewatering operation.

20. Bin(s) or container(s) used for storage or transport of sewage sludge shall be enclosed at all times to prevent release of air contaminants except during the sewage sludge dewatering operation.

21. All recording devices shall be synchronized with respect to time of the day.

22. The total volume of the influent organic waste, received through the Organic Receiving and Processing Station, shall be measured and recorded on a daily basis.

23. Whenever dewatered biosolids are temporarily stored in the sludge drying beds for a duration of at least twenty-four (24) hours, the facility shall:
    A. Only store dewatered biosolids in the drying beds;
    B. Employ the (additional or increased) use of ferric salts in the digesters to the maximum extent feasible so as to not upset the biological treatment efficacy of the plant, to reduce H2S and/or odor emissions from the generated biosolids;
    C. Employ the use of odor neutralizer(s) on and around the biosolids being dried and/or sorted at the facility in accordance with manufacturer and/or vendor specifications and recommendations. Safety data sheets and manufacturer and/or vendor specifications and recommendations of the odor neutralizer(s) shall be kept and maintained onsite;
    D. Store biosolids in accordance with the applicable recommended procedures and/or best management practices as outlined in the EPA "Guide to Field Storage of Biosolids" (EPA/832-B-00-007), such as the application of topical lime slurry, potassium permanganate, or enzymatic odor control products to biosolids stored onsite;

E. Store all biosolids onsite in closed containers indoors and/or under additional coverings (such as plastic sheeting) with a minimum overlap of 24 inches and secured with duct tape such that no portions of the store biosolids is exposed to atmosphere as practicably feasible to prevent the release of air contaminants; and

F. Conduct perimeter (facility boundary) H2S monitoring downwind of the drying beds and/or onsite biosolids storage location(s), using a South Coast AQMD approved measurement method, at least once every 4 hours from 6:30 a.m. to 5 p.m. every calendar day (including weekends and holidays). A site plan, clearly indicating/detailing the onsite storage location(s) of the biosolids, including any changes to the storage locations and associated dates the changes were implemented, shall keep and maintained onsite and made available upon request.

24. A log shall be kept and maintained to document the following information, at minimum, for each calendar day where biosolids are stored in the drying beds:
   A. The quantity of biosolids conveyed to the drying beds;
   B. The total/cumulative quantity of biosolids stored in the drying beds;
   C. The remaining available capacity for biosolid storage in the drying beds; and
   D. The quantity of biosolids removed from the drying beds for transport offsite.

25. The facility shall conduct a source test on one digester to quantify the emissions profile while fed with feedstock comprised solely of food waste, pursuant to the following:
   A. If it can be determined that the testing is feasible and when any one digester is solely fed with food waste, then source testing shall be conducted within 180 days after approval of the source test protocol or initial introduction of feedstock comprising solely of food waste to one digester, whichever is later, or as approved by in writing by the Executive Officer. Notwithstanding the above, this source test shall be conducted no later than 360 days after the issuance date of this permit unless otherwise approved in writing by the Executive Officer.
   B. The source test shall be conducted only after a source test protocol has been submitted and approved by the South Coast AQMD unless otherwise approved in writing by the Executive Officer.
   C. Source test protocol(s) shall be submitted to the South Coast AQMD (Attn: Waste Management Permitting) at least 60 days prior to commencement of the source test, unless otherwise approved in writing by the Executive Officer.

      The source test protocol shall specify the proposed operating conditions of the equipment during the test, specify the identity of the testing laboratory, include a statement from the testing laboratory certifying it meets the criteria in South Coast AQMD Rule 304(k), and include a description of the sampling and analytical procedures to be used.

   D. Notice of the start of the source test(s) shall be submitted to the South Coast AQMD (Attn: Waste Management Permitting) at least 14 (fourteen) days prior to testing commencement so that a South Coast AQMD observer may be present.

(Continued on Condition No. 26)

26. (Continued from Condition No. 25)

E. Sampling facilities shall comply with South Coast AQMD "Guidelines for the Construction of Sample and Testing Facilities," pursuant to South Coast AQMD Rule 217.

F. The source test shall be conducted in accordance with acceptable South Coast AQMD procedures, which shall include South Coast AQMD Method 25.3 and other methods in accordance with the test methods outlined in applicable South Coast AQMD rules and regulations.

G. The source test shall also be conducted on a digester that has been fed feedstock comprising solely of food waste for at least double the digester's average solids retention time (100 days) and through the duration of the source test to ensure that no anerobic digestion of wastewater sludge is occurring.

H. The source test shall measure the VOC content and exhaust flow rate of the biogas produced at the outlet of the digester and food waste throughput at the inlet of the digester, at the maximum capacity achievable while the digester is fed solely with food waste feedstock, using the appropriate test methods specified in the South Coast AQMD approved source test protocol. The report shall present the emission data in pounds per hour and parts per million on a dry basis.

I. Source test report(s) shall be submitted to the South Coast AQMD (Attn: Waste Management Permitting) within 60 days after completion of the source test, unless otherwise approved in writing by the Executive Officer.

27. All records required by this permit shall be kept and maintained on file for a minimum of two (2) years and made available to South Coast AQMD personnel upon request.

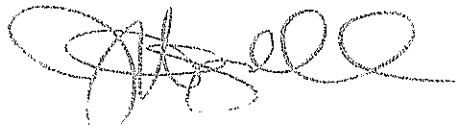
28. This Permit to Construct shall expire if construction of this equipment is not completed within one year from the date of issuance unless an extension is granted, in writing, by the South Coast AQMD.

NOTICE

In accordance with Rule 206, this Permit to Operate or copy shall be posted on or within 8 meters of the equipment.

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the applicable Rules and Regulations of the South Coast Air Quality Management District (SCAQMD). This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other government agencies.

Executive Officer



BY JASON ASPELL/TL08
11/25/2025

ORIGINAL

James Chavez

From: Eland, Robert <REland@riversideca.gov>
Sent: Tuesday, April 28, 2026 9:57 AM
To: Clerk of Board
Subject: [EXTERNAL] RE: Facility ID: 9961 - Petition for Variance

Good morning – I would like to update our Petition for Variance from a Emergency and Short to a ExParte Emergency and Short.

And thank you for starting the process of generating the invoice. I will make payment with the credit card as soon as possible.

Thank you.

From: Clerk of Board <Front_PC@aqmd.gov>
Sent: Tuesday, April 28, 2026 9:29 AM
To: Eland, Robert <REland@riversideca.gov>
Cc: Clerk of Board <Front_PC@aqmd.gov>
Subject: [EXTERNAL] RE: Facility ID: 9961 - Petition for Variance

Good morning,

To complete your petition, we require a copy of the permit to operate (G82104). If you could please submit that as soon as possible.

Thank you,

Clerk of the Boards
South Coast AQMD
T: (909) 396-2500
F: (909) 396-3317
www.aqmd.gov

From: Eland, Robert <REland@riversideca.gov>
Sent: Tuesday, April 28, 2026 8:33 AM
To: Clerk of Board <clerkofboard@aqmd.gov>
Subject: [EXTERNAL] Facility ID: 9961 - Petition for Variance

Good morning – The City of Riverside, Regional Water Quality Control Plant would like to submit the attached Petition for Variance for a failed digester at the wastewater treatment plant. Is it possible to get an invoice generated for us to pay the fees with credit card.

Thank you,
Robert Eland

Stay in-the-know with all things Riverside! Connect with us at RiversideCA.gov/Connect.