

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-705-3-19

EXPIRATION DATE:

EQUIPMENT DESCRIPTION:
NITRIC ACID PLANT

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere.
- 2.
- 3.
4. NOx emissions (expressed as NO₂), excluding startup, shutdown and malfunction, shall not exceed 2.98 lbs/ton of 100% HNO₃ on a three-hour average as determined by continuous monitor and recording equipment certified to 40 CFR 60, Appendix B Performance Specification 2.
- 5.
6. NOx emissions (expressed as NO₂) shall not exceed 0.78 lbs/ton of 100% HNO₃ on a 12 month rolling average as determined by continuous monitor and recording equipment certified to 40 CFR 60, Appendix B Performance Specification 2 and compliance testing conducted within 60 days of implementation of this Authority to Construct and at least once every twelve months thereafter utilizing USEPA Method 7.
- 7.
- 8.
- 9.
- 10.

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: J R SIMPLOT COMPANY

Location: 12688 S COLORADO AVE, HELM, CA 93627

- 11.
12. The owner or operator shall establish a conversion factor for the purpose of converting monitoring data into units of applicable standard (lb/ton of 100% HNO₃ produced). The conversion factor shall be obtained according to procedures and methods specified in 40 CFR 60.73 (b) and shall be reestablished during any performance test under 40 CFR 60.8 or any continuous emission monitoring system performance evaluation under 40 CFR 60.13 (c). |
13. Compliance demonstration (source testing) shall be witnessed or authorized by the District and the samples shall be collected by a California Air Resources Board certified testing laboratory. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. The results of each source test shall be submitted to the District within 60 days of source testing.
14. The owner or operator shall certify, maintain, operate, and quality-assure a Continuous Emissions Monitoring System (CEMS) which continuously measures and records the exhaust gas NO_x concentrations. The CEMS shall be capable of monitoring emissions during startups and shutdowns, as well as during normal operating conditions.
- 15.
16. When the plant is in operation, the monitoring system shall perform a daily calibration drift test in accordance with 40 CFR 60.13d.
17. When the plant is operating, the CEMS shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period.
18. The NO_x CEMS shall meet the requirements in 40 CFR Part 60, Appendix B Performance Specification 2.
19. The owner/operator shall perform a relative accuracy test as specified by 40 CFR Part 60, Appendix F, at least once every four calendar quarters. The permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 60, Appendix F.
- 20.
- 21.
- 22.
23. The owner or operator shall submit a written report of CEM operations for each calendar quarter to the APCO. The report is due on the 30th day following the end of the calendar quarter and shall include the following: Time intervals, data and magnitude of excess NO_x emissions, nature and the cause of excess (if known), corrective actions taken and preventative measures adopted; Averaging period used for data reporting corresponding to the averaging period specified in the emission test period and used to determine compliance with an emissions standard; Applicable time and date of each period during which the CEM was inoperative (monitor downtime), except for zero and span checks, and the nature of system repairs and adjustments; A negative declaration when no excess emissions occurred.

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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24. A violation of emission standards of this permit, as shown by the stack-monitoring system, shall be reported to the district within 96 hours.
25. The operator shall notify the district at least 24 hours prior to the shutting down of monitoring equipment. In the event of breakdown of monitoring equipment, the owner or the operator shall notify the district within 1 hour after the breakdown is detected. Such a notice is not required for any maintenance or QA/QC activity on the system if the operator expects the down time to be less than four hours, but the operator must still report these periods in their quarterly report.
26. APCO or an authorized representative shall be allowed to inspect, as determined to be necessary, the required monitoring devices to ensure that such devices are functioning properly.
27. The owner or operator shall maintain CEMS records that contain the following: the occurrence and duration of any start-up, shutdown or malfunction, performance testing, evaluations, calibrations, checks, adjustments, maintenance, duration of any periods during which a continuous monitoring system or monitoring device is inoperative, and emissions measurements.
- 28.
29. Permittee shall record daily production rate and emission data. Records shall be retained and provided to the District upon request.
30. Permittee shall maintain records to demonstrate compliance with the rolling average NOx emission rate. 12 month

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