

AIR QUALITY MANAGEMENT DISTRICT

AUTHORITY TO CONSTRUCT

A/C NO.: 26018

ISSUED BY:

DATE ISSUED: XX,XX,2019

JORGE DEGUZMAN

DATE EXPIRES: XX,XX,2019

ISSUED TO: TAKHAR SOUTH SAC, INC., D.B.A. ARCO AM/PM

LOCATION: NWC FLORIN ROAD AND 65TH STREET, SACRAMENTO, CA 95823

EQUIPMENT DESCRIPTION: INSTALL NEW GASOLINE DISPENSING FACILITY:

PHASE I EQUIPMENT		PHASE II EQUIPMENT	
NUMBER & SIZE OF TANKS (GALLONS)	PHASE I TYPE	NUMBER OF NOZZLES	PHASE II TYPE
1-25,000; 1-12,000	OPW	16	BALANCE WITH VEEDER- ROOT CANISTER AND VEEDER ROOT ISD
1-10,000	DIESEL (EXEMPT)	4	DIESEL (EXEMPT)

AUTHORITY TO CONSTRUCT CONDITIONS

START-UP REQUIREMENTS

S1. After completing the equipment installation authorized under this Authority to Construct (ATC), the permit holder must contact the Sacramento Metropolitan Air Quality Management District (SMAQMD) to arrange a start-up inspection. SMAQMD may be contacted at (916) 874-4800.

[Basis: SMAQMD Rule 201, Section 405]

S2. This Authority to Construct may serve as a temporary Permit to Operate provided that:

- A. The permit holder has notified SMAQMD that the equipment installation is complete and the facility is ready for a start-up inspection,
- B. The equipment installed matches the equipment authorized in this Authority to Construct,
- C. The equipment is operated in compliance with all conditions in this Authority to Construct, and
- D. The equipment and its operation complies with SMAQMD, state and federal laws and regulations.

[Basis: SMAQMD Rule 201, Section 303.1, 405]

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S3. The permit holder agrees to indemnify and defend SMAQMD, its officers, agents, and employees if this permit, or the environmental review of the permit under the California Environmental Quality Act (CEQA) or the National Environmental Policy Act (NEPA), including any exemption determination, is challenged in state or federal court. This indemnification includes attorney fees awarded against SMAQMD, as well as attorney fees, court costs, legal fees, and other expenses incurred in defending the challenge. The District will provide written notice to the permit holder within 5 days if it receives a petition, complaint or other legal notice by a third party challenging this Authority to Construct (ATC) or the environmental review of the ATC. The permit holder may, within 10 days of notification, request cancellation of the ATC. If the permit holder requests cancellation, SMAQMD will cancel the permit within 5 days, and will notify the plaintiffs of the cancellation and request dismissal of the litigation.

[Basis: SMAQMD Rule 201, Section 405]

GENERAL

1. The equipment must be properly maintained and operated in accordance with the information submitted with the application and the manufacturer's recommendations at all times.

[Basis: SMAQMD Rule 201, Section 405 and Rule 202, Section 408.1]

2. The Air Pollution Control Officer and/or authorized representatives must be permitted to do all of the following:

A. Enter the source premises or any location at which any records required by this ATC are kept.

B. Access and copy any records required by this ATC.

C. Inspect or review any equipment, operation, or method required under this ATC.

D. Sample emissions from the source or require samples to be taken.

[Basis: SMAQMD Rule 201, Section 405]

3. This ATC does not authorize the emission of air contaminants in excess of those allowed by Division 26, Part 4, Chapter 3, of the California Health and Safety Code or the SMAQMD Rules and Regulations.

[Basis: SMAQMD Rule 201, Sections 303.1, 405]

4. The facility may not discharge air contaminants or other materials that cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

[Basis: SMAQMD Rule 402, Section 301]

5. A legible copy of this ATC must be maintained on the premises with the equipment.

[Basis: SMAQMD Rule 201, Section 401]

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6. The gasoline dispensing facility must meet the following BACT standards. Install and operate a Vapor Recovery System that meets the following control efficiencies:

- A. Phase I: 98%
B. Phase II: 95%

This condition is satisfied by the installation and operation of a California Air Resources Board certified Phase I and II vapor recovery system pursuant to Condition No. 8.

[Basis: SMAQMD Rule 202, Section 408.2a]

7. Volatile Organic Compound (VOC) emissions and gasoline throughput from this facility must not exceed:

[Basis: SMAQMD Rule 201, Section 405 and Rule 202, Section 301]

Pollutant	Emission Factor (A) Lb/1000 Gal	Gasoline Throughput (All Grades Combined)		Emission Limits	
		gal/qtr	gal/year	lbs/qtr	lbs/year
VOC	1.27	3,000,000	12,000,000	3,810	15,240

(A) Emission factor is from the California Air Pollution Control Officers Association (CAPCOA) Gasoline Service Station Industry Wide Risk Assessment Guidelines, December 1997, Appendix A, Scenario 6B.

EQUIPMENT OPERATION

8. The gasoline dispensing facility must be maintained, and operated in accordance with the following California Air Resources Board (CARB) Executive Orders. Section 41954(f) of the California Health and Safety Code prohibits the installation of any vapor control system unless the system has been certified by the state board.

[Basis: SMAQMD Rule 448, Section 301 and Rule 449, Section 301]

Number	Description
VR-102	OPW Phase I Vapor Recovery System
VR-204	Balance Phase II Enhanced Vapor Recovery (EVR) System with ISD

9. Any person(s) engaged in the installation, alteration, repair, or replacement of a vapor recovery system or its components must meet the following requirements.

- A. Are certified by the International Code Council (ICC) for Vapor Recovery System Testing and Repair.
B. If required by the Executive Order, be certified by the system manufacturer.
C. Maintain and make available any and all certifications as required in paragraph A and B.

[Basis: SMAQMD Rule 448, Section 401.1 and Rule 449, Section 402.1]

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10. The requirements of Condition No. 9 does not apply to the owner/operator of a gasoline dispensing facility or his/her direct employee(s) when replacing any defective nozzles, hoses and breakaways with new or CARB certified re-manufactured components of the same make and model, or alternatives specifically identified in the latest applicable CARB Executive Order. Any replacement allowed under this condition must be performed in accordance with the applicable Executive Order.
[Basis: SMAQMD Rule 449, Section 115]
11. The vapor recovery system must be operated in accordance with the applicable California Air Resources Board Certification, the manufacturer's specifications, and maintained to be leak-free, vapor tight, and in good working order.
[Basis: SMAQMD Rule 448, Section 302; Rule 449, Section 302; and 40 CFR Part 63, Subpart CCCCC, §63.11118]
12. All equipment must be operated and maintained without any of the applicable defects listed in the Vapor Recovery Equipment Defects (VRED) list.
[Basis: SMAQMD Rule 448, Section 307 and Rule 449, Section 302]
13. The owner/operator of a vapor recovery system must have available an operation and maintenance manual. The manual must be kept on-site and made available to any person who operates, inspects, maintains, repairs, or tests the vapor recovery equipment as well as the Air Pollution Control Officer upon request. The manual must, at minimum, include the following current information:
- A. All applicable CARB Executive Orders, Approval Letters, and SMAQMD Permits.
 - B. Manufacturer's manual(s) for installation, operation, and maintenance procedures as required to be provided by CARB certification procedure CP-201 and any additional instruction provided by the manufacturer
 - C. System and/or component testing requirements, including test schedules and passing criteria for each of the standard tests listed in SMAQMD Rules 448 & 449, and
 - D. Protocol for performing daily maintenance inspections, including the components to be inspected and the defects requiring repair.
- [Basis: SMAQMD Rule 448, Section 307 and Rule 449, Section 302]**
14. Maintenance inspections:
- A. Except as provided in Condition No. 15, maintenance inspection must be conducted for each day the vapor recovery system is operated to ensure that vapor recovery system components that are verifiable through direct measurement or observation are in proper working order. Any equipment with a major defect listed in the VRED list, must be removed from service and tagged to ensure that it is not used until it is repaired and brought into compliance before being returned to service.
 - B. Weekly, quarterly, and annual inspection and testing must be conducted in accordance with the applicable CARB approved IOM manual.
- [Basis: SMAQMD Rule 448, Section 306 and Rule 449, Section 303.1]**
15. The maintenance inspection requirements in Condition No. 14 will not be required on Saturdays, Sundays, and holidays for gasoline dispensing facilities with a six month average monthly gasoline throughput of less than 100,000 gallons.
[Basis: SMAQMD Rule 449, Section 112]
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16. The owner or operator of a vapor recovery system must ensure that the removal from service of one component of a vapor recovery system with multiple components will not result in gasoline liquid or vapors entering the atmosphere.

[Basis: SMAQMD Rule 448, Section 306.3 and Rule 449, Section 303.2]

17. Defects discovered during the maintenance inspection and repaired in accordance with California Code of Regulations, Title 17, Division 3, Chapter 1, Subchapter 7.5, Section 93101 such that after repair gasoline liquid or vapors do not enter the atmosphere will not constitute a violation of Rule 448 or Rule 449.

[Basis: SMAQMD Rule 448, Section 306.4 and Rule 449, Section 303.3]

18. In-Station Diagnostic (ISD) – Veeder-Root conditions:

- A. The "clear test after alarm" (reset) function for the Veeder-Root ISD system must only be utilized once after the first ISD warning alarm.
- B. If a second ISD warning alarm occurs indicating that the same problem still exists or if a failure alarm occurs where gasoline dispensing is terminated, the ISD system may be reset to allow for vehicle fueling to resume only if:
 - i) The fueling point(s) associated with the problem that triggered the failure alarm is isolated and not operated until the required repairs have been completed, and the necessary applicable tests or procedures have been performed and passed; or
 - ii) All required repairs to correct the problem that triggered the second warning or failure alarm have been completed, and the necessary applicable tests or procedures have been performed and passed:

Displayed Message	Applicable Test(s) or Procedure(s)
ISD Vapor Leakage	TP-201.3
All other warnings or alarms	Refer to the Applicable Executive Order and/or the Veeder-Root Installation, Operation and Maintenance Manual

- C. All information relating to the alarm event, course of action taken, repairs made, and tests or procedures performed must be immediately recorded on maintenance/repair form and must be made available to the District upon request.
- D. Only a certified Veeder-Root ISD technician may manually clear any vapor collection or pressure related failure alarms, if the owner/operator has completed paragraph B above.
- E. There must be no gasoline dispensing if the ISD system is shut off, tampered with, disconnected, or otherwise disabled.

[Basis: SMAQMD Rule 201, Section 405]

TESTING

19. For the purpose of this modification, the following performance and reverification tests must be successfully completed after start-up. For the purpose of complying with this condition, all tests must be conducted after back-filling, paving, and installation of all required phase I and phase II components.

- A. Leak rate and cracking pressure of pressure/vacuum vent valves, in accordance with CARB test procedure TP-201.1E. This test must be performed prior to performing the Static Pressure Test, in accordance with CARB test procedure TP-201.3.
- B. Static Torque of Rotatable Phase I Adapters, in accordance with CARB test procedure TP-201.1B.

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- C. Pressure Integrity of Drop Tube/Drain Valve Assembly, in accordance with CARB test procedure TP-201.1C.
 - D. Vapor Pressure Sensor Verification Test in accordance with CARB Executive Order VR-204.
 - E. Static Pressure (Leak Decay) Test, in accordance with CARB test procedure TP-201.3.
 - F. Liquid Removal in accordance with CARB Executive Order VR-204.
 - G. Dynamic Back-Pressure Test, in accordance with CARB test procedure TP-201.4.
 - H. Operability test procedure for the Veeder-Root ISD Flow Meter, in accordance with CARB Executive Order VR-204.
 - I. Veeder-Root Vapor Polisher Operability Test in accordance with CARB Executive Order VR-204.
 - J. Veeder-Root Vapor Polisher Hydrocarbon Emissions Verification Test in accordance with CARB Executive Order VR-204.
 - K. Any other tests required by an applicable CARB Executive Order.
[Basis: SMAQMD Rule 448, Section 403 and SMAQMD Rule 449, Section 401 and 40 CFR Part 63, Subpart CCCCC, §63.11120]
20. The following performance and reverification tests are applicable to the gasoline dispensing facility and must be conducted and passed once every twelve months.
- A. Leak rate and cracking pressure of pressure/vacuum vent valves, in accordance with CARB test procedure TP-201.1E. This test must be performed prior to performing the Static Pressure Test, in accordance with CARB test procedure TP-201.3.
 - B. Static Torque of Rotatable Phase I Adapters, in accordance with CARB test procedure TP-201.1B.
 - C. Pressure Integrity of Drop Tube/Drain Valve Assembly, in accordance with CARB test procedure TP-201.1C.
 - D. Vapor Pressure Sensor Verification Test in accordance with CARB Executive Order VR-204.
 - E. Static Pressure (Leak Decay) Test, in accordance with CARB test procedure TP-201.3.
 - F. Liquid Removal in accordance with CARB Executive Order VR-204.
 - G. Dynamic Back-Pressure Test, in accordance with CARB test procedure TP-201.4.
 - H. Operability test procedure for the Veeder-Root ISD Flow Meter, in accordance with CARB Executive Order VR-204.
 - I. Veeder-Root Vapor Polisher Operability Test in accordance with CARB Executive Order VR-204.
 - J. Veeder-Root Vapor Polisher Hydrocarbon Emissions Verification Test in accordance with CARB Executive Order VR-204.
 - K. Any other tests required by an applicable CARB Executive Order.
[Basis: SMAQMD Rule 448, Section 403 and SMAQMD Rule 449, Section 401 and 40 CFR Part 63, Subpart CCCCC, §63.11120]
21. Initially, all of the performance and reverification tests specified in Condition No. 19 must be successfully completed between ten and thirty days after start-up. For the purpose of complying with this condition, all tests must be conducted after back-filling, paving, and installation of all required phase I and phase II components.
[Basis: SMAQMD Rule 201, Section 405]

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22. Any person who conducts performance and reverification tests must meet all of the following:
- A. Be certified by the International Code Council (ICC) for Vapor Recovery System Testing and Repair.
 - B. If required by the Executive Order, be certified by the system manufacturer.
 - C. Maintain and make available any and all certifications as required in paragraph A. and B.
- [Basis: SMAQMD Rule 448, Section 401.2 and Rule 449, Section 402.2]**

NOTIFICATION AND REPORTING

23. At least 7 days prior to the performance of reverification testing, the owner or operator must notify the Air Pollution Control Officer of the exact date and time of the test. If the vapor recovery system fails any of the applicable tests and the necessary repairs are performed that same day, the owner or operator may retest the vapor recovery system on the same day without re-notification, provided that the reasons for the test failure and any repairs performed are properly documented in the test reports and repair records. SMAQMD will only accept post-construction vapor recovery test notifications and results in the following manner:
- A. Email to GDFPostConst@airquality.org
 - B. Fax to (916) 874-4899 Attn: GDFPostConst
 - C. Mail or hand deliver to:

SMAQMD
Attn: GDFPostConst
777 12th Street, 3rd floor
Sacramento, CA 95814

[Basis: SMAQMD Rule 448, Section 402 and Rule 449, Section 404]

24. Results of the reverification tests must be delivered to the Air Pollution Control Officer within thirty days of completion of the test. The test results must contain the following information:
- A. Name, location, address, and telephone number of the facility tested, and SMAQMD permit number
 - B. Name, address and phone number of the person or company performing the test
 - C. Date of the test
 - D. Test data
 - E. Number of nozzles tested
 - F. Number of tanks tested
 - G. Statement of pass or fail

[Basis: SMAQMD Rule 448, Section 502; Rule 449, Section 502; and 40 CFR Part 63, Subpart CCCCCC, §63.11126]

RECORD KEEPING

25. The following record must be continuously maintained on site for the most recent five year period and must be made available to the Air Pollution Control Officer upon request. Monthly and quarterly records must be made available for inspection within 30 days of the end of the previous month or quarter, respectively.
- [Basis: SMAQMD Rule 201, Section 405; Rule 448, Section 502; Rule 449, Section 502; and 40 CFR Part 63, Subpart CCCCCC, §63.11125]**

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Frequency	Information to be Recorded
At all times	A. Maintenance records for the vapor recovery system. B. Repair records for the vapor recovery system. C. Daily maintenance inspection reports. D. Performance test results. E. Reverification of performance test results. F. ISD alarm event, course of action taken including steps to minimize emissions, duration of event, repairs made, and tests or procedures performed.
Daily	G. Daily maintenance inspection reports including at least the following: i. Date and time of inspection. ii. List of defects from the VRED list that are applicable to the vapor recovery equipment and have a verification procedure of "direct observation" or "direct measurement". iii. Notation by person performing inspection whether each defect is present. iv. Description of any defects discovered. v. Action taken upon discovery of a defect. vi. Name and signature of person performing inspection.
Monthly	H. Total gasoline throughput (gallons per month)
Quarterly	I. Total gasoline throughput (gallons per quarter)
Annually	J. Inspection and testing checklist as required by the Balance IOM manual

26. The permit holder must, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)

[Basis: SMAQMD Rule 201, Section 303.1]

27. The permit holder must, submit initial notification and/or notification of compliance status to EPA prior to start-up of the GDF. The notification of compliance must indicate the source has complied with the requirements of 40 CFR 63 subpart CCCCCC and indicate whether the facilities monthly throughput is calculated based on the volume of gasoline loaded into all storage tanks or on the volume of gasoline dispensed from all storage tanks. The notification of compliance may be submitted in lieu of the Initial notification provided it contains the information from both subparts. The notification must include the following

- The name and address of the owner and operator,
- The address (i.e. physical location) of the GDF,
- A statement that the notification is being submitted in response to this subpart and identifying the requirements in paragraph (a) through (c) of 63.11117 that apply.

[Basis: 40 CFR 63 Subpart CCCCCC Section 63.11124 (a)(1) & (a)(2)]

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Your application for this air quality Authority to Construct was evaluated for compliance with Sacramento Metropolitan Air Quality Management District (SMAQMD), state and federal air quality rules. The following listed rules are those that are most applicable to the operation of your equipment. Other rules may also be applicable.

<u>SMAQMD RULE NO.</u>	<u>RULE TITLE</u>
201	GENERAL PERMIT REQUIREMENTS (8-24-06)
202	NEW SOURCE REVIEW (8-23-12)
402	NUISANCE (8-3-77)
448	GASOLINE TRANSFER INTO STATIONARY STORAGE CONTAINERS (2-26-09)
449	TRANSFER OF GASOLINE INTO VEHICLE FUEL TANKS (2-26-09)
<u>STATE</u>	<u>REGULATION TITLE</u>
TITLE 17 CCR SECTION 93101	CARB AIR TOXICS CONTROL MEASURES – BENZENE EMISSIONS FROM RETAIL SERVICE STATIONS
<u>FEDERAL</u>	<u>REGULATION TITLE</u>
40 CFR PART 63 SUBPART CCCCC	NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORY: GASOLINE DISPENSING FACILITIES

In addition, the conditions on this Authority to Construct may reflect some, but not all, requirements of these rules. There may be other conditions that are applicable to the operation of your equipment. Future changes in prohibitory rules may establish more stringent requirements which may supersede the conditions listed here.

For further information please consult your SMAQMD rulebook or contact the SMAQMD for assistance.