

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

Southwest Research Institute

AUTHORIZING THE OPERATION OF

Southwest Research Institute
Noncommercial Research Organ.

LOCATED AT

Bexar County, Texas

LATITUDE 29° 26' 45" LONGITUDE 98° 36' 43"

Regulated Entity Number: RN100222983

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operation of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained ~~herein.~~_____

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O1469

Issuance Date:

Glenn Shankle
Executive Director

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GENERAL TERMS AND CONDITIONS

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit shall be forwarded to the TCEQ Central Office and to the TCEQ Regional Office for your site. For reports submitted, please include a cover letter which identifies the following information: company name, TCEQ regulated entity number, site name, area name (if applicable), and Air Permits Division permit number.

SPECIAL TERMS AND CONDITIONS:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting:

1. Permit holder shall comply with the following requirements:
 - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
 - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.
 - C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101

(General Rules):

- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)
 - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
 - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)
 - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. For stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed on or before January 31, 1972, the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 111.111(a)(1)(A) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(1)(E)
 - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
 - (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(A), complying with 30 TAC § 111.111(a)(1)(F)(ii),

(iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that do not emit visible emissions such as vents that emit only VOC or vents that provide passive ventilation, such as plumbing vents; or vents that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(A) and Compliance Assurance Monitoring, as specified in the attached Applicable Requirements Summary and "Additional Monitoring Requirements."

1. An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
2. For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
3. Records of all observations shall be maintained.
4. Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's

eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

5. Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(A).
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

- B. For stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972, the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(1)(E)
- (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)
- (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that do not emit visible emissions such as vents that emit only VOC or vents that provide passive ventilation, such as plumbing vents; or vents that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) and Compliance Assurance Monitoring, as specified in the attached "Applicable Requirements Summary" and "Additional Monitoring Requirements."
 - 1. An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
 - 2. For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
 - 3. Records of all observations shall be maintained.
 - 4. Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the

temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

5. Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible

data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

- C. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:
- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
 - (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
 - 1. An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.
 - 2. Records of all observations shall be maintained.
 - 3. Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed

water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

4. Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A).
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

D. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)
- (iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing

visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

1. An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
2. Records of all observations shall be maintained.
3. Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
4. Compliance Certification:
 - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A).
 - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC

§ 111.111(a)(8)(B) to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- E. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.
- F. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).
- G. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
 - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
 - (ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)
 - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- H. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:
 - (i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)
 - (ii) Title 30 TAC § 111.207 (relating to Exception for Recreation, Ceremony, Cooking, and Warmth)
 - (iii) Title 30 TAC § 111.219 (relating to General Requirements for

Allowable Outdoor Burning)

- (iv) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)
- 4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: "Storage of Volatile Organic Compounds," the permit holder shall comply with the requirements of 30 TAC § 115.112(c)(1).
- 5. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:
 - A. For the low vapor pressure VOC unloading operations specified in Division 1 "Loading and Unloading of Volatile Organic Compounds," the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 115.217(b)(2) (relating to Exemptions), for transfer of VOC with a true vapor pressure less than 1.5 psia
 - (ii) Title 30 TAC § 115.212(b)(2) (relating to Control Requirements)
 - (iii) Title 30 TAC § 115.214(b)(1)(A)(i) and (B) (relating to Inspection Requirements)
 - (iv) Title 30 TAC § 115.215(4) (relating to Approved Test Methods)
 - (v) Title 30 TAC § 115.216(2) and (3)(B) (relating to Monitoring and Recordkeeping Requirements)
 - B. For the VOC unloading operations specified in Division 1: "Loading and Unloading of Volatile Organic Compounds," the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 115.212(b)(2), (3)(B) - (D) (relating to Control Requirements)
 - (ii) Title 30 TAC § 115.212(b)(3)(A)(i) or (ii) (relating to Control Requirements)
 - (iii) Title 30 TAC § 115.214(b)(1)(A)(i) - (iii), (B), (C) (relating to Inspection Requirements)
 - (iv) Title 30 TAC § 115.215(1) - (5), (8) - (10) (relating to Approved Test

Methods)

- (v) Title 30 TAC § 115.216(2) - (3) (relating to Monitoring and Recordkeeping Requirements)
 - C. For the VOC unloading operations at gasoline bulk plants subject to the throughput exemption as specified in Division 1: "Loading and Unloading of Volatile Organic Compounds," the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 115.217(b)(3)(B) (relating to Exemptions)
 - (ii) Title 30 TAC § 115.212(b)(2) (relating to Control Requirements)
 - (iii) Title 30 TAC § 115.214(b)(1)(A)(i) and (B) (relating to Inspection Requirements)
 - (iv) Title 30 TAC § 115.216(3)(D) (relating to Monitoring and Recordkeeping Requirements)
 - D. When filling gasoline storage vessels with a nominal capacity greater than 1,000 gallons (Stage I) at motor vehicle fuel dispensing facilities, which have dispensed less than 125,000 gallons of gasoline in any calendar month after January 1, 1999, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:
 - (i) Title 30 TAC § 115.222(7) (relating to Control Requirements)
 - (ii) Title 30 TAC § 115.222(3), as it applies to liquid gasoline leaks
 - (iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks
 - (iv) Title 30 TAC § 115.226(2)(C) (relating to Recordkeeping Requirements)
6. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
- A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
 - B. Title 40 CFR § 60.8 (relating to Performance Tests)
 - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

- D. Title 40 CFR § 60.12 (relating to Circumvention)
 - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
 - F. Title 40 CFR § 60.14 (relating to Modification)
 - G. Title 40 CFR § 60.15 (relating to Reconstruction)
 - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
7. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 61, unless otherwise stated in the applicable subpart:
- A. Title 40 CFR § 61.05 (relating to Prohibited Activities)
 - B. Title 40 CFR § 61.07 (relating to Application for Approval of Construction or Modification)
 - C. Title 40 CFR § 61.09 (relating to Notification of Startup)
 - D. Title 40 CFR § 61.10 (relating to Source Reporting and Request for Waiver of Compliance)
 - E. Title 40 CFR § 61.12 (relating to Compliance with Standards and Maintenance Requirements)
 - F. Title 40 CFR § 61.13 (relating to Emissions Tests and Waiver of Emission Tests)
 - G. Title 40 CFR § 61.14 (relating to Monitoring Requirements)
 - H. Title 40 CFR § 61.15 (relating to Modification)
 - I. Title 40 CFR § 61.19 (relating to Circumvention)

Additional Monitoring Requirements

8. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all

required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

9. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
 - A. Are incorporated by reference into this permit as applicable requirements
 - B. Shall be located with this operating permit
 - C. Are not eligible for a permit shield
10. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

Compliance Requirements

11. The permit holder shall certify compliance with all permit terms and conditions using, at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
12. Use of Discrete Emission Credits to Comply with Applicable Requirements:
 - A. Unless other wise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115

- (ii) Title 30 TAC Chapter 117
 - (iii) If applicable, offsets for Title 30 TAC Chapter 116
 - (iv) Temporarily exceed state NSR permit allowables
- B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
 - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
 - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
 - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
 - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC §§ 101.372(h) and 122

Protection of Stratospheric Ozone

- 13. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:
 - A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs or refrigerant removal are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.
 - B. Any on site servicing, maintenance, and repair of fleet vehicle air conditioning using ozone-depleting refrigerants shall be conducted in accordance with 40 CFR Part 82, Subpart B. Permit holders shall ensure that repairs or refrigerant removal are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart B.

Permit Location

14. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

ATTACHMENTS

Applicable Requirements Summary

Additional Monitoring Requirements

New Source Review Authorization References

APPLICABLE REQUIREMENTS SUMMARY

Unit Summary	15
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Note: A "none" entry may be noted for some emission sources in this permit's "Applicable Requirements Summary" under the heading of "Monitoring and Testing Requirements" and/or "Record keeping Requirements" and/or "Reporting Requirements." Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Record keeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
4	Flares	N/A	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.
BLDG213	Loading/Unloading Operations	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	Product Transferred = Liquefied Petroleum Gas (LPG), Crude Oil, or Condensate
BLDG213	Loading/Unloading Operations	N/A	R5211-2	30 TAC Chapter 115, Loading and Unloading of VOC	Product Transferred = Gasoline, True Vapor Pressure = Tvp Greater than or Equal to 1.5 Psia (Other than Beaumont/Port Arthur Dallas/ Fort Worth El Paso Houston/Galveston Areas)
BLDG213	Loading/Unloading Operations	N/A	R5211-3	30 TAC Chapter 115, Loading and Unloading of VOC	Product Transferred = Volatile Organic Compounds (Voc) Other than LPG, Crude Oil, Condensate and Gasoline, True Vapor Pressure = Tvp less than 1.5 Psia (Other than Beaumont/port Arthur Dallas/ Fort Worth El Paso Houston/Galveston Areas)
GRP-PW	Solvent Degreasing Machines	12, 15, 16, 17, 19	R5411	30 TAC Chapter 115, Degreasing Processes	No changing attributes.
5	Stationary Turbines	N/A	60GG	40 CFR Part 60, Subpart GG	No changing attributes.
B167AT20B	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
B167AT40A	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

B75NU82	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
B87U22E	Storage Tanks/Vessels	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTANK31	Storage Tanks/Vessels	B167AT50A, B167AT50B	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTANK32	Storage Tanks/Vessels	B69U13, B69U20	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTANK33	Storage Tanks/Vessels	B131SU75, B50U25, B50U80	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTANK34	Storage Tanks/Vessels	B75SA99, B75SATC7	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTANK35	Storage Tanks/Vessels	B142A139, B142A140, B142A143, B142A144, B142A145, B142A146, B142A147, B142A148, B142A149, B142A150, B193A10, B193A11, B193A12, B193A13, B193A14, B193A15, B193A16, B193A17, B193A18, B193A19, B193A20, B193A21, B193A22, B193A23, B193A24, B202U202A, B58U153, B75NU171, B75NU172, B75NU173, B75NU175, B75NU176	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

GRPTANK36	Storage Tanks/Vessels	B87U30E, B87U38E	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTANK37	Storage Tanks/Vessels	B131SU72, B131SU73, B131SU74, B131SU76, B50U27	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTANK38	Storage Tanks/Vessels	B152U1, B152U2, B75NU44, B75NU45, B75NU46, B75NU47, B75NU48, B75NU70, B75NU71	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTANK39	Storage Tanks/Vessels	B142A138, B87U23E, B87U33E, B87U35E, B87U37E	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTANK40	Storage Tanks/Vessels	B158A126, B158A127, B158A128	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTANK43	Storage Tanks/Vessels	B9A184A, B9A184B, B9A184C, B9A184D, B9A184E	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTANK44	Storage Tanks/Vessels	B9A180A, B9A180B, B9A181A, B9A181B, B9A185A, B9A186B	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTANK45	Storage Tanks/Vessels	B9A177, B9A178, B9A179	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

Applicable Requirements Summary

Unit/Group/Processes		SOP Index No.	Pollutant	Emission Limitation/Standard or Equipment Specification		Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
ID No.	Type			Name	Citation				
4	EU	R1111	PM (OPACITY)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for upset emissions as provided in §101.11(a).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
BLDG213	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(4) § 115.214(b)(1)(B)	Crude oil, condensate, and liquefied petroleum gas. All loading and unloading of crude oil, condensate, and liquefied petroleum gas is exempt from division, except for the specified requirements.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i)	§ 115.216 [G]§ 115.216(3)(A) § 115.216(3)(B)	None
BLDG213	EU	R5211-2	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(3)(B) § 115.214(b)(1)(B)	Gasoline bulk plants which load less than 4,000 gallons of gasoline into transport vessels per day are exempt from the requirements of this division, except for.	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i)	§ 115.216 § 115.216(3)(D)	None
BLDG213	EU	R5211-3	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(b)(2) § 115.214(b)(1)(B)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 1.5 psia is exempt	§ 115.214(b)(1)(A) § 115.214(b)(1)(A)(i) § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

						from the requirements of this division except as specified.			
GRP-PW	EU	R5411	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.412(1) [G]§ 115.412(1)(A) § 115.412(1)(C) § 115.412(1)(D) [G]§ 115.412(1)(F) § 115.417(1)	Cold solvent cleaning. No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F).	[G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary	None	None
5	EU	60GG	SO2	40 CFR Part 60, Subpart GG	§ 60.333(a)	No stationary gas turbine shall cause to be discharged into the atmosphere any gases which contain sulfur dioxide in excess of 0.015% by volume at 15% O2 dry basis.	§ 60.334(h) [G]§ 60.334(h)(3)	None	None
5	EU	60GG	NOX	40 CFR Part 60, Subpart GG	§ 60.332(a)(2) § 60.332(a)(3) § 60.332(k)	No owner or operator shall discharge into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of the amount as determined from the specified equation.	§ 60.334(c)	§ 60.334(c)	§ 60.334(j)(4)
B167AT20B	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	** See Periodic Monitoring Summary	None	None
B167AT40A	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	** See Periodic Monitoring Summary	None	None

B75NU82	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	** See Periodic Monitoring Summary	None	None
B87U22E	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	** See Periodic Monitoring Summary	None	None
GRPTANK3 1	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	** See Periodic Monitoring Summary	None	None
GRPTANK3 2	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.117(c)(3)	Storage tanks with a nominal capacities between 1,000 and 25,000 gallons are exempt from the requirements of §115.112(c)(1), if construction began before 5/12/73.	None	None	None
GRPTANK3 3	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	** See Periodic Monitoring Summary	None	None
GRPTANK3 4	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1)	Tanks shall not store VOC, other than crude oil	** See Periodic Monitoring Summary	None	None

						or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).			
GRPTANK3 5	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	** See Periodic Monitoring Summary	None	None
GRPTANK3 6	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	** See Periodic Monitoring Summary	None	None
GRPTANK3 7	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	** See Periodic Monitoring Summary	None	None
GRPTANK3 8	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	** See Periodic Monitoring Summary	None	None
GRPTANK3 9	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is	** See Periodic Monitoring Summary	None	None

						maintained, or they are equipped with the appropriate control device specified in Table I(b).			
GRPTANK4 0	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	** See Periodic Monitoring Summary	None	None
GRPTANK4 3	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	** See Periodic Monitoring Summary	None	None
GRPTANK4 4	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	** See Periodic Monitoring Summary	None	None
GRPTANK4 5	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(c)(1)	Tanks shall not store VOC, other than crude oil or condensate, unless the required pressure is maintained, or they are equipped with the appropriate control device specified in Table I(b).	** See Periodic Monitoring Summary	None	None

ADDITIONAL MONITORING REQUIREMENTS

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Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: B167AT20B, B167AT40A, B75NU82, B87U22E, GRPTANK31, GRPTANK33, GRPTANK34, GRPTANK35, GRPTANK36, GRPTANK37, GRPTANK38, GRPTANK39, GRPTANK40, GRPTANK43, GRPTANK44, GRPTANK45	Applicable Form: OP-UA03
Control Device ID No.: SFP	Control Device Type: Other Control Device Type
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: § 115.112(c)(1)
MONITORING INFORMATION	
Indicator: Tank fill pipe design	
Minimum Frequency: At design	
Averaging Period: n/a	
Deviation Limit: Lack of submerged fill pipe in tank with working volume greater than 1,000 gallons and storing liquid with true vapor pressure greater than 1.5 psia and less than 1 psia at storage temperature.	
Periodic Monitoring Text: Establish design specifications with fill pipe no greater than 6 inches from the tank bottom. Verify fill pipe position for each tank with a capacity greater than 1000 gallons at each tank service change or every 5 years, whichever is more frequent. Record and report as a deviation any data that demonstrated more than 6 inches between the bottom of the submerged full pipe and the tank bottom.	

Periodic Monitoring Summary

UNIT/GROUP/PROCESS INFORMATION	
ID No.: GRP-PW	Applicable Form: OP-UA16
Control Device ID No.: N/A	Control Device Type: N/A
APPLICABLE REGULATORY REQUIREMENT	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5411
Pollutant: VOC	Main Standard: § 115.412(1)
MONITORING INFORMATION	
Indicator: Solvent Vapor Pressure	
Minimum Frequency: Initially for each solvent	
Averaging Period: n/a	
Deviation Limit: Solvent vapor pressure greater than 0.6 psia at 38°C if claiming an exemption under §115.417(1), (2)(A), (4); or visual inspection data including that a unit is not in compliance with §115.412(1) if solvent vapor pressure is greater than 0.6 Psia.	
Periodic Monitoring Text: Obtain certification of solvent vapor pressure at 38°C (100°F) for each type of solvent used in any parts washer. Document that each parts washer/solvent combination meets the exemption requirements of §115.417, where applicable. If the parts washer/solvent combination does not meet the exemption criteria, visually inspect the equipment and record observations monthly to ensure compliance with any applicable requirements of §115.417 in addition to observation during visual monitoring of any data indicating non-compliance with §115.412(1) shall be considered a deviation and reported in the next required deviation report.	

NEW SOURCE REVIEW AUTHORIZATION REFERENCES

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New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

PSD Permits	NA Permits
PSD Permit No.:	NA Permit No.:
PSD Permit No.:	NA Permit No.:
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 43833	Authorization No.:
Authorization No.:	Authorization No.:
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 007	Version No./Date: 05/05/1976
Number: 007	Version No./Date: 01/08/1980
Number: 007	Version No./Date: 05/12/1981
Number: 007	Version No./Date: 09/23/1982
Number: 007	Version No./Date: 07/26/1985
Number: 007	Version No./Date: 07/15/1988
Number: 007	Version No./Date: 08/11/1989
Number: 007	Version No./Date: 06/18/1992
Number: 007	Version No./Date: 08/16/1993
Number: 007	Version No./Date: 04/05/1995
Number: 007	Version No./Date: 06/07/1996
Number: 008	Version No./Date: 09/15/1972
Number: 008	Version No./Date: 09/17/1973
Number: 008	Version No./Date: 05/12/1981
Number: 008	Version No./Date: 09/23/1982
Number: 008	Version No./Date: 07/26/1985
Number: 008	Version No./Date: 07/15/1988
Number: 008	Version No./Date: 08/11/1989
Number: 008	Version No./Date: 06/18/1992
Number: 008	Version No./Date: 08/16/1993
Number: 008	Version No./Date: 09/17/1993
Number: 008	Version No./Date: 05/04/1994
Number: 008	Version No./Date: 03/14/1995
Number: 021	Version No./Date: 07/26/1985
Number: 051	Version No./Date: 06/18/1982
Number: 051	Version No./Date: 04/25/1986
Number: 051	Version No./Date: 05/15/1988
Number: 051	Version No./Date: 07/15/1988
Number: 051	Version No./Date: 08/11/1989
Number: 051	Version No./Date: 06/18/1992
Number: 051	Version No./Date: 08/16/1993

Number: 051	Version No./Date: 05/04/1994
Number: 051	Version No./Date: 06/07/1996
Number: 053	Version No./Date: 04/25/1986
Number: 053	Version No./Date: 08/11/1989
Number: 053	Version No./Date: 06/18/1992
Number: 053	Version No./Date: 08/16/1993
Number: 053	Version No./Date: 05/04/1994
Number: 057	Version No./Date: 05/05/1976
Number: 057	Version No./Date: 09/23/1982
Number: 058	Version No./Date: 05/08/1972
Number: 058	Version No./Date: 05/05/1976
Number: 058	Version No./Date: 01/01/1980
Number: 058	Version No./Date: 01/08/1980
Number: 058	Version No./Date: 05/12/1981
Number: 058	Version No./Date: 09/23/1982
Number: 059	Version No./Date: 04/04/975
Number: 059	Version No./Date: 05/08/1972
Number: 059	Version No./Date: 12/01/1972
Number: 059	Version No./Date: 09/17/1973
Number: 059	Version No./Date: 04/04/1975
Number: 059	Version No./Date: 05/05/1976
Number: 060	Version No./Date: 05/08/1972
Number: 060	Version No./Date: 09/17/1973
Number: 060	Version No./Date: 04/04/1975
Number: 060	Version No./Date: 05/05/1976
Number: 060	Version No./Date: 05/12/1981
Number: 060	Version No./Date: 09/23/1982
Number: 061	Version No./Date: 12/01/1972
Number: 063	Version No./Date: 12/01/1972
Number: 063	Version No./Date: 04/04/1975
Number: 063	Version No./Date: 05/05/1976
Number: 063	Version No./Date: 01/01/1980
Number: 063	Version No./Date: 01/08/1980
Number: 063	Version No./Date: 05/12/1981
Number: 063	Version No./Date: 09/23/1982
Number: 064	Version No./Date: 05/08/1972
Number: 106.124	Version No./Date: 09/04/2000
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.264	Version No./Date: 03/14/1997
Number: 106.264	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 03/14/1997
Number: 106.433	Version No./Date: 03/14/1997
Number: 106.472	Version No./Date: 03/14/1997
Number: 106.473	Version No./Date: 03/14/1997
Municipal Solid Waste and Industrial Hazardous Waste Permits With an Air Addendum	

Permit No.:	Permit No.:
Permit No.:	Permit No.:

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name /Description	New Source Review Authorization
12	Parts Washer #1, Building 75	43833
15	Parts Washer #4, Building 75	43833
16	Parts Washer, Building 99	43833
17	Parts Washer, Building 131	43833
19	Parts Washer, Building 156	43833
4	MRF Flare	43833
5	MRF Gas Turbine	43833
B103A9	Storage Tanks / Vessels	064/05/08/1972
B106AR6	Storage Tanks / Vessels	058/09/23/1982
B131SU72	Storage Tanks / Vessels	063/05/05/1976
B131SU73	Storage Tanks / Vessels	063/05/05/1976
B131SU74	Storage Tanks / Vessels	063/05/05/1976
B131SU75	Storage Tanks / Vessels	063/05/05/1976
B131SU76	Storage Tanks / Vessels	063/05/05/1976
B131U131A	Storage Tanks / Vessels	060/05/05/1976
B142A103	Storage Tanks / Vessels	063/12/01/1972
B142A104	Storage Tanks / Vessels	064/05/08/1972
B142A119	Storage Tanks / Vessels	058/05/05/1976
B142A132	Storage Tanks / Vessels	053/08/11/1989
B142A138	Storage Tanks / Vessels	053/08/11/1989
B142A139	Storage Tanks / Vessels	053/08/11/1989
B142A140	Storage Tanks / Vessels	053/08/11/1989
B142A143	Storage Tanks / Vessels	053/08/11/1989
B142A144	Storage Tanks / Vessels	053/08/11/1989
B142A145	Storage Tanks / Vessels	053/08/11/1989
B142A146	Storage Tanks / Vessels	053/08/11/1989

B142A147	Storage Tanks / Vessels	053/08/11/1989
B142A148	Storage Tanks / Vessels	053/08/11/1989
B142A149	Storage Tanks / Vessels	053/08/11/1989
B142A150	Storage Tanks / Vessels	053/08/11/1989
B142A56	Storage Tanks / Vessels	063/12/01/1972
B142A81	Storage Tanks / Vessels	063/12/01/1972
B142U84	Storage Tanks / Vessels	059/05/05/1976
B142U85	Storage Tanks / Vessels	059/05/05/1976
B142U86	Storage Tanks / Vessels	059/05/05/1976
B142U87	Storage Tanks / Vessels	059/05/05/1976
B142U88	Storage Tanks / Vessels	059/05/05/1976
B142U89	Storage Tanks / Vessels	059/05/05/1976
B142U90	Storage Tanks / Vessels	059/05/05/1976
B142U91	Storage Tanks / Vessels	059/05/05/1976
B151AA4	Storage Tanks / Vessels	059/05/05/1976
B151U1	Storage Tanks / Vessels	058/09/23/1982
B151U2	Storage Tanks / Vessels	058/09/23/1982
B152U1	Storage Tanks / Vessels	063/09/23/1982
B152U2	Storage Tanks / Vessels	063/09/23/1982
B156U108	Storage Tanks / Vessels	058/09/23/1982
B156U109	Storage Tanks / Vessels	058/09/23/1982
B156U111	Storage Tanks / Vessels	058/09/23/1982
B156U112	Storage Tanks / Vessels	058/09/23/1982
B156U113	Storage Tanks / Vessels	058/09/23/1982
B156U114	Storage Tanks / Vessels	058/09/23/1982
B156U115	Storage Tanks / Vessels	058/09/23/1982
B156U156A	Storage Tanks / Vessels	060/09/23/1982
B158A125	Storage Tanks / Vessels	051/08/11/1989
B158A126	Storage Tanks / Vessels	053/08/11/1989
B158A127	Storage Tanks / Vessels	053/08/11/1989
B158A128	Storage Tanks / Vessels	053/08/11/1989
B158A158A	Storage Tanks / Vessels	058/05/05/1976
B158A69	Storage Tanks / Vessels	058/05/12/1981

B167AA9	Storage Tanks / Vessels	063/09/23/1982
B167AT100A	Storage Tanks / Vessels	058/09/23/1982
B167AT100B	Storage Tanks / Vessels	058/09/23/1982
B167AT100C	Storage Tanks / Vessels	058/09/23/1982
B167AT20A	Storage Tanks / Vessels	060/09/23/1982
B167AT20B	Storage Tanks / Vessels	063/09/23/1982
B167AT40A	Storage Tanks / Vessels	060/05/12/1981
B167AT50A	Storage Tanks / Vessels	060/09/23/1982
B167AT50B	Storage Tanks / Vessels	060/09/23/1982
B171UN	Storage Tanks / Vessels	053/05/04/1994
B171US	Storage Tanks / Vessels	053/05/04/1994
B193A10	Storage Tanks / Vessels	053/08/11/1989
B193A11	Storage Tanks / Vessels	053/08/11/1989
B193A12	Storage Tanks / Vessels	053/08/11/1989
B193A13	Storage Tanks / Vessels	053/08/11/1989
B193A14	Storage Tanks / Vessels	053/08/11/1989
B193A15	Storage Tanks / Vessels	053/08/11/1989
B193A16	Storage Tanks / Vessels	053/08/11/1989
B193A17	Storage Tanks / Vessels	053/08/11/1989
B193A18	Storage Tanks / Vessels	053/08/11/1989
B193A19	Storage Tanks / Vessels	053/08/11/1989
B193A20	Storage Tanks / Vessels	053/08/11/1989
B193A21	Storage Tanks / Vessels	053/08/11/1989
B193A22	Storage Tanks / Vessels	053/08/11/1989
B193A23	Storage Tanks / Vessels	053/08/11/1989
B193A24	Storage Tanks / Vessels	053/08/11/1989
B202U202A	Storage Tanks / Vessels	053/05/04/1994
B207A187	Storage Tanks / Vessels	106.473/03/14/1997
B207A188	Storage Tanks / Vessels	106.473/03/14/1997
B207A189	Storage Tanks / Vessels	106.473/03/14/1997
B207A190	Storage Tanks / Vessels	106.473/03/14/1997
B207A191	Storage Tanks / Vessels	106.473/03/14/1997
B207A192	Storage Tanks / Vessels	106.473/03/14/1997

B207A193	Storage Tanks / Vessels	106.473/03/14/1997
B50U25	Storage Tanks / Vessels	063/04/04/1975
B50U26	Storage Tanks / Vessels	059/04/04/1975
B50U27	Storage Tanks / Vessels	063/04/04/1975
B50U80	Storage Tanks / Vessels	063/04/04/1975
B58U151	Storage Tanks / Vessels	051/05/04/1994
B58U152	Storage Tanks / Vessels	051/05/04/1994
B58U153	Storage Tanks / Vessels	053/05/04/1994
B61A92	Storage Tanks / Vessels	051/05/04/1994
B69U13	Storage Tanks / Vessels	064/05/08/1972
B69U19	Storage Tanks / Vessels	060/05/08/1972
B69U20	Storage Tanks / Vessels	064/05/08/1972
B69U21	Storage Tanks / Vessels	060/05/08/1972
B69U22	Storage Tanks / Vessels	060/05/08/1972
B69U23	Storage Tanks / Vessels	060/05/08/1972
B69U24	Storage Tanks / Vessels	060/05/08/1972
B69U30	Storage Tanks / Vessels	058/09/23/1982
B69U31	Storage Tanks / Vessels	058/09/23/1982
B69UA	Storage Tanks / Vessels	058/01/08/1980
B69UB	Storage Tanks / Vessels	058/01/08/1980
B69UC	Storage Tanks / Vessels	058/01/08/1980
B69UD	Storage Tanks / Vessels	058/01/08/1980
B69UE	Storage Tanks / Vessels	058/01/08/1980
B75NA122	Storage Tanks / Vessels	051/06/18/1982
B75NA129	Storage Tanks / Vessels	053/06/18/1992
B75NA130	Storage Tanks / Vessels	053/06/18/1992
B75NA8A	Storage Tanks / Vessels	057/05/05/1976
B75NU171	Storage Tanks / Vessels	053/05/04/1994
B75NU172	Storage Tanks / Vessels	053/05/04/1994
B75NU173	Storage Tanks / Vessels	053/05/04/1994
B75NU174	Storage Tanks / Vessels	051/05/04/1994
B75NU175	Storage Tanks / Vessels	053/05/04/1994
B75NU176	Storage Tanks / Vessels	053/05/04/1994

B75NU44	Storage Tanks / Vessels	063/01/08/1980
B75NU45	Storage Tanks / Vessels	063/01/08/1980
B75NU46	Storage Tanks / Vessels	063/01/08/1980
B75NU47	Storage Tanks / Vessels	063/01/08/1980
B75NU48	Storage Tanks / Vessels	063/01/08/1980
B75NU70	Storage Tanks / Vessels	063/01/08/1980
B75NU71	Storage Tanks / Vessels	063/01/08/1980
B75NU82	Storage Tanks / Vessels	063/12/01/1972
B75NU83	Storage Tanks / Vessels	059/12/01/1972
B75SA105	Storage Tanks / Vessels	063/09/23/1982
B75SA107	Storage Tanks / Vessels	063/09/23/1982
B75SA117	Storage Tanks / Vessels	060/09/23/1982
B75SA131	Storage Tanks / Vessels	063/09/23/1982
B75SA75CA	Storage Tanks / Vessels	060/05/05/1976
B75SA99	Storage Tanks / Vessels	063/05/12/1981
B75SATC1	Storage Tanks / Vessels	053/08/11/1989
B75SATC2	Storage Tanks / Vessels	053/08/11/1989
B75SATC3	Storage Tanks / Vessels	053/08/11/1989
B75SATC4	Storage Tanks / Vessels	053/08/11/1989
B75SATC7	Storage Tanks / Vessels	063/09/23/1982
B75SATC9A	Storage Tanks / Vessels	063/09/23/1982
B75SATC9B	Storage Tanks / Vessels	063/09/23/1982
B87A68	Storage Tanks / Vessels	051/08/11/1989
B87U18E	Storage Tanks / Vessels	051/05/15/1988
B87U19E	Storage Tanks / Vessels	051/05/15/1988
B87U20E	Storage Tanks / Vessels	051/05/15/1988
B87U21E	Storage Tanks / Vessels	051/05/15/1988
B87U22E	Storage Tanks / Vessels	053/08/11/1989
B87U23E	Storage Tanks / Vessels	053/08/11/1989
B87U24E	Storage Tanks / Vessels	051/08/11/1989
B87U30E	Storage Tanks / Vessels	106.473/03/14/1997
B87U33E	Storage Tanks / Vessels	106.473/03/14/1997
B87U35E	Storage Tanks / Vessels	106.473/03/14/1997

B87U37E	Storage Tanks / Vessels	106.473/03/14/1997
B87U38E	Storage Tanks / Vessels	106.473/03/14/1997
B99A31	Storage Tanks / Vessels	058/05/12/1981
B99A32	Storage Tanks / Vessels	058/05/12/1981
B99A33	Storage Tanks / Vessels	058/05/12/1981
B99A34	Storage Tanks / Vessels	058/05/12/1981
B99A35	Storage Tanks / Vessels	058/05/12/1981
B99A36	Storage Tanks / Vessels	058/05/12/1981
B99A5	Storage Tanks / Vessels	058/05/12/1981
B9A177	Storage Tanks / Vessels	106.473/03/14/1997
B9A178	Storage Tanks / Vessels	106.473/03/14/1997
B9A179	Storage Tanks / Vessels	106.473/03/14/1997
B9A180A	Storage Tanks / Vessels	106.473/03/14/1997
B9A180B	Storage Tanks / Vessels	106.473/03/14/1997
B9A181A	Storage Tanks / Vessels	106.473/03/14/1997
B9A181B	Storage Tanks / Vessels	106.473/03/14/1997
B9A184A	Storage Tanks / Vessels	106.473/03/14/1997
B9A184B	Storage Tanks / Vessels	106.473/03/14/1997
B9A184C	Storage Tanks / Vessels	106.473/03/14/1997
B9A184D	Storage Tanks / Vessels	106.473/03/14/1997
B9A184E	Storage Tanks / Vessels	106.473/03/14/1997
B9A185A	Storage Tanks / Vessels	106.473/03/14/1997
B9A186B	Storage Tanks / Vessels	106.473/03/14/1997
BLDG213	Building 213 Tanks Loading Operation	106.473/03/14/1997

APPENDIX A

Acronym List

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ACRONYM LIST

The following abbreviations or acronyms may be used in this permit:

ACFM	actual cubic feet per minute
AMOC	alternate means of control
ARP	Acid Rain Program
ASTM	American Society of Testing and Materials
B/PA	Beaumont/Port Arthur (nonattainment area)
CAM	Compliance Assurance Monitoring
CD	control device
COMS	continuous opacity monitoring system
CVS	closed-vent system
D/FW	Dallas/Fort Worth (nonattainment area)
DR	Designated Representative
EIP	El Paso (nonattainment area)
EP	emission point
EPA	U.S. Environmental Protection Agency
EU	emission unit
FCAA Amendments	Federal Clean Air Act Amendments
FOP	federal operating permit
GF	grandfathered
gr/100 scf	grains per 100 standard cubic feet
HAP	hazardous air pollutant
H/G	Houston/Galveston (nonattainment area)
H ₂ S	hydrogen sulfide
ID No.	identification number
lb/hr	pound(s) per hour
MMBtu/hr	Million British thermal units per hour
MRRT	monitoring, recordkeeping, reporting, and testing
NA	nonattainment
N/A	not applicable
NADB	National Allowance Data Base
NO _x	nitrogen oxides
NSPS	New Source Performance Standard (40 CFR Part 60)
NSR	New Source Review
ORIS	Office of Regulatory Information Systems
Pb	lead
PBR	Permit By Rule
PM	particulate matter
ppmv	parts per million by volume
PSD	prevention of significant deterioration
RO	Responsible Official
SO ₂	sulfur dioxide
TSP	total suspended particulate
TVP	true vapor pressure
U.S.C.	United States Code
VOC	volatile organic compound