

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO  
The Dow Chemical Company

AUTHORIZING THE OPERATION OF  
Dow Texas Operations Freeport  
Monomeric Methylene Diphenyl Diisocyanate MMDI Plant  
All Other Basic Organic Chemical Manufacturing

LOCATED AT  
Brazoria County, Texas  
Latitude 28° 58' 57" Longitude 95° 21' 10"  
Regulated Entity Number: RN100225945

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. Operations 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:       O4393       Issuance Date:       December 6, 2024      

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For the Commission

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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).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

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 must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

## **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.
  - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
  - E. Emission units subject to 40 CFR Part 63, Subparts G, H, or EEEE as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113,

Subchapter C, § 113.120, § 113.130, or § 113.880, respectively, which incorporate the 40 CFR Part 63 Subparts by reference.

- F. For the purpose of generating emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 1 (Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
  - (i) Title 30 TAC § 101.302 (relating to General Provisions)
  - (ii) Title 30 TAC § 101.303 (relating to Emission Reduction Credit Generation Certification)
  - (iii) Title 30 TAC § 101.304 (relating to Mobile Emission Reduction Credit Generation and Certification)
  - (iv) Title 30 TAC § 101.309 (relating to Emission Credit Banking and Trading)
  - (v) The terms and conditions by which the emission limits are established to generate the reduction credit are applicable requirements of this permit
- G. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:
  - (i) Title 30 TAC § 101.372 (relating to General Provisions)
  - (ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)
  - (iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)
  - (iv) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)
  - (v) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit
- 2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality 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, Start-up, 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. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
    - (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<sub>x</sub>, 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 are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the "Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic 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 mile, 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) as soon as practicable, but no later than 24 hours after observing visible emissions 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. 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)
  - C. 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. 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)
- 5. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
- 6. For the chemical manufacturing facilities subject to leak detection requirements in 40 CFR Part 63, Subpart G, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.120 incorporated by reference):
  - A. General Leak Detection Requirements:
    - (i) Title 40 CFR § 63.148(d)(1) - (3), and (e) (relating to Leak Inspection Provisions)
    - (ii) Title 40 CFR § 63.148(c), (g), (g)(2), (h), and (h)(2) (relating to Leak Inspection Provisions), for monitoring and testing requirements

- (iii) Title 40 CFR §§ 63.148(g)(2), (h)(2), (i)(1) - (2), (i)(4)(i) - (viii), (i)(5), and 63.152(a)(1) - (5), for recordkeeping requirements
  - (iv) Title 40 CFR §§ 63.148(j), 63.151(a)(6)(i) - (iii), (b)(1) - (2), (j)(1) - (3), 63.152(a)(1) - (5), (b), (b)(1)(i) - (ii), and (b)(4), for reporting requirements
- B. For closed vent system or vapor collection systems constructed of hard piping:
  - (i) Title 40 CFR § 63.148(b)(1)(ii) (relating to Leak Inspection Provisions), for monitoring and testing requirements
  - (ii) Title 40 CFR § 63.148(i)(6) (relating to Leak Inspection Provisions), for recordkeeping requirements
- 7. For the transfer of site remediation materials subject to 40 CFR Part 63, Subpart GGGGG off-site to another facility, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1160 incorporated by reference):
  - A. Title 40 CFR § 63.7936(a), for the transfer of site remediation materials
  - B. Title 40 CFR § 63.7936(b)(1), for transfer to a landfill or land disposal unit
  - C. Title 40 CFR § 63.7936(b)(2), for transfer to a facility subject to 40 CFR Part 63, Subpart DD
  - D. Title 40 CFR § 63.7936(b)(3), (b)(3)(i) - (iv), for transfer to a facility managing the site remediation material according to the requirements of 40 CFR Part 63, Subpart GGGGG
- 8. For containers managing remediation materials subject to 40 CFR Part 63, Subpart GGGGG, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.1160 incorporated by reference):
  - A. Title 40 CFR § 63.922(b)(1) - (3), (c), (d), (d)(1) - (5), (e), and (f), (f)(1) - (4) (relating to Standards - Container Level 1 Controls)
  - B. Title 40 CFR § 63.923(b)(1) - (3), (c), (d), (d)(1) - (5), (e), and (f), (f)(1) - (4) (relating to Standards - Container Level 2 Controls)
  - C. Title 40 CFR § 63.925(a)(1) - (8), and (b)(1) - (3) (relating to Test Methods and Procedures)
  - D. Title 40 CFR § 63.926(a)(1) - (3) (relating to Inspection and Monitoring Requirements)
  - E. Title 40 CFR § 63.7900(a), for emissions limitations and work practice standards
  - F. Title 40 CFR § 63.7900(b), (b)(1), and (b)(2), for emissions limitations and work practice standards
  - G. Title 40 CFR § 63.7900(b)(3) and (b)(3)(i) - (ii), for emissions limitations and work practice standards
  - H. Title 40 CFR § 63.7901(b) and (b)(1), for initial demonstration of compliance
  - I. Title 40 CFR § 63.7901(b)(2), for initial demonstration of compliance

- J. Title 40 CFR § 63.7901(c), (c)(1), and (c)(2), for initial demonstration of compliance
  - K. Title 40 CFR § 63.7901(d), and (d)(1) - (4), for initial demonstration of compliance
  - L. Title 40 CFR § 63.7902(a), for inspection and monitoring requirements
  - M. Title 40 CFR § 63.7903(b) and (b)(1), for continuous demonstration of compliance
  - N. Title 40 CFR § 63.7903(b)(2), (b)(2)(i), (b)(2)(ii), for continuous demonstration of compliance
  - O. Title 40 CFR § 63.7903(c)(4), (c)(4)(i), and (c)(4)(ii), for continuous demonstration of compliance
  - P. Title 40 CFR § 63.7903(d)(5), (d)(5)(i), and (d)(5)(ii), for continuous demonstration of compliance
  - Q. Title 40 CFR § 63.7941(g), for initial demonstration of compliance
  - R. Title 40 CFR § 63.7941(i), for initial demonstration of compliance
9. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

#### **Additional Monitoring Requirements**

10. 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 or minimum frequency 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**

11. 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 (including the terms, conditions, monitoring, recordkeeping, and reporting identified in registered PBRs and permits by rule identified in the PBR Supplemental Tables dated September 16, 2025 in the application for project 37732), 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
12. 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.
13. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

#### **Compliance Requirements**

14. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 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.
15. Use of Emission Credits to comply with applicable requirements:
- A. Unless otherwise prohibited, the permit holder may use 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) Offsets for Title 30 TAC Chapter 116
  - B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
    - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)-(d)
    - (ii) The 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 1

- (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)-(d)
- (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122
- (v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)

16. Use of Discrete Emission Credits to comply with the applicable requirements:

- A. Unless otherwise 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 30 TAC Chapter 122
  - (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

**Protection of Stratospheric Ozone**

17. 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 or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

**Temporary Fuel Shortages (30 TAC § 112.15)**

18. The permit holder shall comply with the following 30 TAC Chapter 112 requirements:
- A. Title 30 TAC § 112.15 (relating to Temporary Fuel Shortage Plan Filing Requirements)
  - B. Title 30 TAC § 112.16(a), (a)(1), and (a)(2)(B) - (C) (relating to Temporary Fuel Shortage Plan Operating Requirements)
  - C. Title 30 TAC § 112.17 (relating to Temporary Fuel Shortage Plan Notification Procedures)
  - D. Title 30 TAC § 112.18 (relating to Temporary Fuel Shortage Plan Reporting Requirements)

**Permit Location**

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

**Permit Shield (30 TAC § 122.148)**

20. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

## **Attachments**

**Applicable Requirements Summary**

**Additional Monitoring Requirements**

**Permit Shield**

**New Source Review Authorization References**

### **Applicable Requirements Summary**

**Unit Summary ..... 13**

**Applicable Requirements Summary ..... 18**

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 “Recordkeeping 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 Recordkeeping 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/<br>Process ID No. | Unit Type                                            | Group/Inclusive<br>Units | SOP Index No. | Regulation                               | Requirement Driver      |
|-------------------------------|------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| A20MD1215                     | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R1111-01      | 30 TAC Chapter 111, Visible<br>Emissions | No changing attributes. |
| A20MD1215                     | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-01      | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes. |
| A20MD143L                     | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R1111-01      | 30 TAC Chapter 111, Visible<br>Emissions | No changing attributes. |
| A20MD143L                     | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | 63G-01        | 40 CFR Part 63, Subpart G                | No changing attributes. |
| A20MD2500                     | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R1111-01      | 30 TAC Chapter 111, Visible<br>Emissions | No changing attributes. |
| A20MD2500                     | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-01      | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes. |
| A20MD2550                     | STORAGE<br>TANKS/VESSELS                             | N/A                      | R5112-01      | 30 TAC Chapter 115,<br>Storage of VOCs   | No changing attributes. |
| A20MDD1015                    | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-01      | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes. |
| A20MDD1100                    | STORAGE<br>TANKS/VESSELS                             | N/A                      | R5112-01      | 30 TAC Chapter 115,<br>Storage of VOCs   | No changing attributes. |
| A20MDD1200A                   | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-01      | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes. |
| A20MDD1200B                   | EMISSION                                             | N/A                      | R5121-01      | 30 TAC Chapter 115, Vent                 | No changing attributes. |

### Unit Summary

| Unit/Group/<br>Process ID No. | Unit Type                                            | Group/Inclusive<br>Units | SOP Index No. | Regulation                                             | Requirement Driver      |
|-------------------------------|------------------------------------------------------|--------------------------|---------------|--------------------------------------------------------|-------------------------|
|                               | POINTS/STATIONARY<br>VENTS/PROCESS VENTS             |                          |               | Gas Controls                                           |                         |
| A20MDD1205                    | STORAGE<br>TANKS/VESSELS                             | N/A                      | R5112-01      | 30 TAC Chapter 115,<br>Storage of VOCs                 | No changing attributes. |
| A20MDD1205                    | STORAGE<br>TANKS/VESSELS                             | N/A                      | 63G-01        | 40 CFR Part 63, Subpart G                              | No changing attributes. |
| A20MDD2510                    | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-01      | 30 TAC Chapter 115, Vent<br>Gas Controls               | No changing attributes. |
| A20MDFU1                      | FUGITIVE EMISSION<br>UNITS                           | N/A                      | R5352-ALL     | 30 TAC Chapter 115, Pet.<br>Refinery & Petrochemicals  | No changing attributes. |
| A20MDFU1                      | FUGITIVE EMISSION<br>UNITS                           | N/A                      | 60VVa-ALL     | 40 CFR Part 60, Subpart<br>VVa                         | No changing attributes. |
| A20MDFU1                      | FUGITIVE EMISSION<br>UNITS                           | N/A                      | 63EEEE-01     | 40 CFR Part 63, Subpart<br>EEEE                        | No changing attributes. |
| A20MDFU1                      | FUGITIVE EMISSION<br>UNITS                           | N/A                      | 63H-ALL       | 40 CFR Part 63, Subpart H                              | No changing attributes. |
| A20MDLR1                      | LOADING/UNLOADING<br>OPERATIONS                      | N/A                      | R5211-01      | 30 TAC Chapter 115,<br>Loading and Unloading of<br>VOC | No changing attributes. |
| A20MDLRPL                     | LOADING/UNLOADING<br>OPERATIONS                      | N/A                      | R5211-01      | 30 TAC Chapter 115,<br>Loading and Unloading of<br>VOC | No changing attributes. |
| A20MDLRPL                     | LOADING/UNLOADING<br>OPERATIONS                      | N/A                      | 63G-01        | 40 CFR Part 63, Subpart G                              | No changing attributes. |
| A20MDR1130A/B                 | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R1111-01      | 30 TAC Chapter 111, Visible<br>Emissions               | No changing attributes. |

### Unit Summary

| Unit/Group/<br>Process ID No. | Unit Type                                            | Group/Inclusive<br>Units | SOP Index No. | Regulation                               | Requirement Driver                                                                                                                                                                                                                             |
|-------------------------------|------------------------------------------------------|--------------------------|---------------|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A20MDR1130A/B                 | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-01      | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes.                                                                                                                                                                                                                        |
| A20MDST12A                    | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R1111-01      | 30 TAC Chapter 111, Visible<br>Emissions | No changing attributes.                                                                                                                                                                                                                        |
| A20MDST12B                    | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R1111-01      | 30 TAC Chapter 111, Visible<br>Emissions | No changing attributes.                                                                                                                                                                                                                        |
| A20MDST1600                   | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-01      | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes.                                                                                                                                                                                                                        |
| A20MDT1140                    | STORAGE<br>TANKS/VESSELS                             | N/A                      | R5112-01      | 30 TAC Chapter 115,<br>Storage of VOCs   | No changing attributes.                                                                                                                                                                                                                        |
| A20MDT1140                    | STORAGE<br>TANKS/VESSELS                             | N/A                      | 63G-01        | 40 CFR Part 63, Subpart G                | No changing attributes.                                                                                                                                                                                                                        |
| A20MDT920                     | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-01      | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes.                                                                                                                                                                                                                        |
| A20MDT920                     | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | 63G-01        | 40 CFR Part 63, Subpart G                | Control Device = Thermal<br>incinerator., Installation Date = On<br>or after 12/31/92, Halogen<br>Reduction Device = The vent stream<br>exiting the combustion device is<br>ducted to a scrubber before it is<br>discharged to the atmosphere. |
| A20MDT920                     | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | 63G-02        | 40 CFR Part 63, Subpart G                | Control Device = Flare                                                                                                                                                                                                                         |
| A20MDUL1A                     | LOADING/UNLOADING                                    | N/A                      | R5211-01      | 30 TAC Chapter 115,                      | No changing attributes.                                                                                                                                                                                                                        |

### Unit Summary

| Unit/Group/<br>Process ID No. | Unit Type                                            | Group/Inclusive<br>Units | SOP Index No. | Regulation                                             | Requirement Driver      |
|-------------------------------|------------------------------------------------------|--------------------------|---------------|--------------------------------------------------------|-------------------------|
|                               | OPERATIONS                                           |                          |               | Loading and Unloading of<br>VOC                        |                         |
| A20MDUL1A                     | LOADING/UNLOADING<br>OPERATIONS                      | N/A                      | 63EEEE-01     | 40 CFR Part 63, Subpart<br>EEEE                        | No changing attributes. |
| A20MDUL1B                     | LOADING/UNLOADING<br>OPERATIONS                      | N/A                      | R5211-01      | 30 TAC Chapter 115,<br>Loading and Unloading of<br>VOC | No changing attributes. |
| A20MDV1235A                   | STORAGE<br>TANKS/VESSELS                             | N/A                      | R5112-01      | 30 TAC Chapter 115,<br>Storage of VOCs                 | No changing attributes. |
| A20MDV1235A                   | STORAGE<br>TANKS/VESSELS                             | N/A                      | 63G-01        | 40 CFR Part 63, Subpart G                              | No changing attributes. |
| A20MDV1235B                   | STORAGE<br>TANKS/VESSELS                             | N/A                      | R5112-01      | 30 TAC Chapter 115,<br>Storage of VOCs                 | No changing attributes. |
| A20MDV1235B                   | STORAGE<br>TANKS/VESSELS                             | N/A                      | 63G-01        | 40 CFR Part 63, Subpart G                              | No changing attributes. |
| A20MDV1300                    | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-01      | 30 TAC Chapter 115, Vent<br>Gas Controls               | No changing attributes. |
| A20MDV1305                    | STORAGE<br>TANKS/VESSELS                             | N/A                      | R5112-01      | 30 TAC Chapter 115,<br>Storage of VOCs                 | No changing attributes. |
| A20MDV1305                    | STORAGE<br>TANKS/VESSELS                             | N/A                      | 63G-01        | 40 CFR Part 63, Subpart G                              | No changing attributes. |
| A20MDV1310                    | STORAGE<br>TANKS/VESSELS                             | N/A                      | R5112-01      | 30 TAC Chapter 115,<br>Storage of VOCs                 | No changing attributes. |
| A20MDV1310                    | STORAGE<br>TANKS/VESSELS                             | N/A                      | 63G-01        | 40 CFR Part 63, Subpart G                              | No changing attributes. |
| A20MDV2520                    | STORAGE<br>TANKS/VESSELS                             | N/A                      | R5112-01      | 30 TAC Chapter 115,<br>Storage of VOCs                 | No changing attributes. |

### Unit Summary

| Unit/Group/<br>Process ID No. | Unit Type                                            | Group/Inclusive<br>Units | SOP Index No. | Regulation                               | Requirement Driver      |
|-------------------------------|------------------------------------------------------|--------------------------|---------------|------------------------------------------|-------------------------|
| A20MDV2520                    | STORAGE<br>TANKS/VESSELS                             | N/A                      | 63G-01        | 40 CFR Part 63, Subpart G                | No changing attributes. |
| A20MDV800                     | EMISSION<br>POINTS/STATIONARY<br>VENTS/PROCESS VENTS | N/A                      | R5121-01      | 30 TAC Chapter 115, Vent<br>Gas Controls | No changing attributes. |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------|-------------------------------------------|
| A20MD1215                 | EP                      | R1111-01      | Opacity   | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(B)                                                | Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six-minute period for any source on which construction was begun after January 31, 1972. The emissions from this vent originate from colorless VOCs, non-fuming liquids, or other sources that are not capable of obstructing the transmission of light. These vents are not capable of exceeding the opacity standards of 30 TAC Chapter 111 and therefore no monitoring is required to demonstrate compliance. | None                                | None                                          | None                                      |
| A20MD1215                 | EP                      | R5121-01      | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A)<br>[G]§ 115.122(a)(4)<br>§ 115.127(a)(2)       | A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title.                                                                                                                                                                                                                                                                                                                  | [G]§ 115.125<br>§ 115.126(2)        | § 115.126<br>§ 115.126(2)<br>§ 115.126(4)     | None                                      |
| A20MD143L                 | EP                      | R1111-01      | Opacity   | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(B)                                                | Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six-minute period for any source on which construction was begun after January 31, 1972. The emissions from this vent originate from colorless VOCs, non-fuming                                                                                                                                                                                                                                                  | None                                | None                                          | None                                      |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | 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)                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                   | liquids, or other sources that are not capable of obstructing the transmission of light. These vents are not capable of exceeding the opacity standards of 30 TAC Chapter 111 and therefore no monitoring is required to demonstrate compliance. |                                                                                                                         |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                 |
| A20MD143L                 | EP                      | 63G-01        | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.113(e)<br>[G]§ 63.115(f)                                     | The owner or operator of a Group 2 process vent with a TRE index > 4.0 shall maintain a TRE index value > 4.0, comply with the sections as specified.                                                                                            | [G]§ 63.115(a)<br>[G]§ 63.115(b)<br>[G]§ 63.115(c)<br>[G]§ 63.115(d)<br>§ 63.115(e)<br>§ 63.115(e)(1)<br>[G]§ 63.115(f) | § 63.117(b)<br>[G]§ 63.118(c)<br>[G]§ 63.152(a) | § 63.115(e)(2)<br>[G]§ 63.118(g)<br>[G]§ 63.118(h)<br>[G]§ 63.118(k)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(3)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(4)(i)<br>§ 63.152(c)(4)(ii)<br>§ 63.152(c)(4)(iii) |
| A20MD2500                 | EP                      | R1111-01      | Opacity     | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(B)                                                | Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six-minute period for any source on which construction was begun after January 31, 1972. The emissions from                                        | None                                                                                                                    | None                                            | None                                                                                                                                                                                                                                                                                                                                                                                            |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------|-------------------------------------------|
|                           |                         |               |           |                                       |                                                                   | this vent originate from colorless VOCs, non-fuming liquids, or other sources that are not capable of obstructing the transmission of light. These vents are not capable of exceeding the opacity standards of 30 TAC Chapter 111 and therefore no monitoring is required to demonstrate compliance. |                                     |                                                       |                                           |
| A20MD2500                 | EP                      | R5121-01      | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A)<br>[G]§ 115.122(a)(4)<br>§ 115.127(a)(2)       | A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title.                                                                                                        | [G]§ 115.125<br>§ 115.126(2)        | § 115.126<br>§ 115.126(2)<br>§ 115.126(4)             | None                                      |
| A20MD2550                 | EU                      | R5112-01      | VOC       | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)                                                   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.                                                                                                                                          | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7) | None                                      |
| A20MDD1015                | EP                      | R5121-01      | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A)<br>[G]§ 115.122(a)(4)<br>§ 115.127(a)(2)       | A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title.                                                                                                        | [G]§ 115.125<br>§ 115.126(2)        | § 115.126<br>§ 115.126(2)<br>§ 115.126(4)             | None                                      |
| A20MDD1100                | EU                      | R5112-01      | VOC       | 30 TAC Chapter 115, Storage of        | § 115.111(a)(1)                                                   | Except as provided in § 115.118, a storage tank                                                                                                                                                                                                                                                      | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)                    | None                                      |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------|
|                           |                         |               |             | VOCs                                  |                                                                   | storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.                                                                                   |                                     | § 115.118(a)(7)                                                             |                                           |
| A20MDD120 0A              | EP                      | R5121-01      | VOC         | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A)<br>[G]§ 115.122(a)(4)<br>§ 115.127(a)(2)       | A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title. | [G]§ 115.125<br>§ 115.126(2)        | § 115.126<br>§ 115.126(2)<br>§ 115.126(4)                                   | None                                      |
| A20MDD120 0B              | EP                      | R5121-01      | VOC         | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A)<br>[G]§ 115.122(a)(4)<br>§ 115.127(a)(2)       | A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title. | [G]§ 115.125<br>§ 115.126(2)        | § 115.126<br>§ 115.126(2)<br>§ 115.126(4)                                   | None                                      |
| A20MDD120 5               | EU                      | R5112-01      | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)                                                   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.                                   | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(6)(A)<br>§ 115.118(a)(7) | None                                      |
| A20MDD120 5               | EU                      | 63G-01        | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(a)(3)                                                    | Group 2 tanks not using emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.                          | None                                | § 63.123(a)                                                                 | § 63.152(c)(4)(iii)                       |
| A20MDD251                 | EP                      | R5121-01      | VOC         | 30 TAC Chapter                        | § 115.127(a)(2)(A)                                                | A vent gas stream having a                                                                                                                                                                    | [G]§ 115.125                        | § 115.126                                                                   | None                                      |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name              | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                      | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| 0                         |                         |               |           | 115, Vent Gas Controls                             | [G]§ 115.122(a)(4)<br>§ 115.127(a)(2)                                                                                                                                                                                  | combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title.                                                                                                                                                                                                                               | § 115.126(2)                                                                                                                     | § 115.126(2)<br>§ 115.126(4)                                                                                                                                                 |                                           |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(4)<br>§ 115.352(5)<br>§ 115.352(6)<br>§ 115.352(7)<br>§ 115.357(12)<br>§ 115.357(8)<br>§ 115.357(9) | No open-ended valves or lines contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound. | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355 | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | [G]§ 115.354(7)                           |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(4)<br>§ 115.352(5)<br>§ 115.352(6)<br>§ 115.352(7)<br>§ 115.357(12)<br>§ 115.357(8)<br>§ 115.357(9) | No valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.                     | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355 | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | [G]§ 115.354(7)                           |
| A20MDFU1                  | EU                      | R5352-        | VOC       | 30 TAC Chapter                                     | § 115.352(1)(A)                                                                                                                                                                                                        | No flanges or other                                                                                                                                                                                                                                                                                                                                                                              | § 115.354(1)                                                                                                                     | § 115.352(7)                                                                                                                                                                 | None                                      |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name              | Emission Limitation, Standard or Equipment Specification Citation                                                                                                   | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
|                           |                         | ALL           |           | 115, Pet. Refinery & Petrochemicals                | § 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.352(8)<br>§ 115.357(1)<br>§ 115.357(12)<br>§ 115.357(8)    | connectors contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.                         | § 115.354(11)<br>§ 115.354(3)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)                  | § 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)                                  |                                           |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.352(8)<br>§ 115.357(12)<br>§ 115.357(8) | No flanges or other connectors contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound. | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(11)<br>§ 115.354(3)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355 | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None                                      |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)                                  | No agitators contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which                                                                                                                                                                                                                | [G]§ 115.355<br>§ 115.357(1)                                                                                                   | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)                                                        | None                                      |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name              | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                          | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
|                           |                         |               |           |                                                    | § 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8)                                                                                                                                                       | exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.                                                                                                                                                                                                         |                                     | [G]§ 115.356(3)(C)<br>§ 115.356(5)                                                                                                                          |                                           |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(7)<br>§ 115.357(8)                                 | No agitators contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.                   | [G]§ 115.355                        | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None                                      |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(4)<br>§ 115.357(8) | No compressor seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or | [G]§ 115.355                        | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)                                       | None                                      |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name              | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                           | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
|                           |                         |               |           |                                                    |                                                                                                                                                                                                                                             | sound.                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                               |                                                                                                                                                                              |                                           |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8)  | No compressor seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.     | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)  | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)                  | None                                      |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(12)<br>§ 115.357(8) | No compressor seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound. | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355 | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None                                      |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)                                                                                  | No pump seals that are equipped with a shaft sealing system that prevents or detects emissions of VOCs from the seal shall be allowed to have a VOC leak, for more                                                                                                                                                                                                                       | [G]§ 115.355                                                                                                  | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)                                                        | None                                      |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name              | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                           | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
|                           |                         |               |           |                                                    | § 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(4)<br>§ 115.357(8)                                                                                                                                        | than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.                                                                                                                                                 |                                                                                                               |                                                                                                                                                                              |                                           |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8)  | No pump seals contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound. | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)  | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)                                                        | None                                      |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(12)<br>§ 115.357(8) | No pump seals contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or    | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355 | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None                                      |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name              | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                                                                   | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
|                           |                         |               |           |                                                    |                                                                                                                                                                                                                                                                                     | sound.                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                        |                                           |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(C)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(8)<br>§ 115.358(c)(1)<br>[G]§ 115.358(h) | If the owner or operator elects to use the alternative work practice in §115.358, no component shall be allowed to have a VOC leak, detected as defined in §115.358, for more than 15 days after discovery. This includes any leak detected using the alternative work practice on a component that is subject to the requirements of this division but not specifically selected for alternative work practice monitoring. | § 115.354(1)<br>§ 115.354(11)<br>§ 115.354(13)(A)<br>§ 115.354(13)(B)<br>§ 115.354(13)(C)<br>§ 115.354(13)(D)<br>§ 115.354(13)(E)<br>§ 115.354(13)(F)<br>§ 115.354(4)<br>§ 115.354(5)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.358(c)(2)<br>§ 115.358(d)<br>[G]§ 115.358(e)<br>§ 115.358(f) | § 115.352(7)<br>§ 115.354(13)(D)<br>§ 115.354(13)(E)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>[G]§ 115.356(4)<br>§ 115.356(5) | [G]§ 115.358(g)                           |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(4)<br>§ 115.352(5)<br>§ 115.352(6)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8)<br>§ 115.357(9)                                                               | No valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.                                                    | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)                                                                                                                                                             | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)                                                            | [G]§ 115.354(7)                           |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(2)<br>§ 115.352(9)                                                                                                                                                                                                                                                        | Conservation vents or other devices on atmospheric storage tanks that are actuated either by a vacuum or a pressure of no more than 2.5 psig, pressure relief valves (PRVs)                                                                                                                                                                                                                                                 | None                                                                                                                                                                                                                                                                                        | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)                                                                                                                                                                        | None                                      |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name              | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                                                          | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
|                           |                         |               |           |                                                    |                                                                                                                                                                                                                                            | equipped with a rupture disk or venting to a control device, components in continuous vacuum service, and valves that are not externally regulated (i.e. in-line check valves) are exempt from the requirements of this division, except that each PRV equipped with a rupture disk must comply with §115.352(9) and §115.356(3)(C).                                                                   |                                                                                                                                 |                                                                                                                                             |                                           |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(B)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(C)<br>§ 115.352(2)(C)(i)<br>§ 115.352(2)(C)(ii)<br>§ 115.352(2)(C)(iii)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.357(3)<br>§ 115.357(8) | No compressor seals in hydrogen service with a hydrogen content that can be demonstrated to always exceed 50.0% by volume shall be allowed to have a VOC leak, for more than 15 days after discovery which exceeds a screening concentration greater than 10,000 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound. | [G]§ 115.355                                                                                                                    | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)                       | None                                      |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(4)<br>§ 115.352(5)                                                                                                      | No open-ended valves or lines contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a                                                                                                                                                                                          | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1) | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C) | [G]§ 115.354(7)                           |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name              | Emission Limitation, Standard or Equipment Specification Citation                                                                                                                                      | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
|                           |                         |               |           |                                                    | § 115.352(6)<br>§ 115.352(7)<br>§ 115.357(1)<br>§ 115.357(8)<br>§ 115.357(9)                                                                                                                           | screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.                                                                                                                                                                                                               |                                                                                                                                                  | § 115.356(5)                                                                                                                                                                 |                                           |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.352(9)<br>§ 115.357(12)<br>§ 115.357(8)<br>§ 115.357(9) | No pressure relief valves contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound. | § 115.354(1)<br>§ 115.354(10)<br>§ 115.354(2)<br>§ 115.354(4)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355 | § 115.352(7)<br>§ 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | [G]§ 115.354(7)                           |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(2)(B)<br>§ 115.352(3)<br>§ 115.352(5)<br>§ 115.352(7)<br>§ 115.352(9)<br>§ 115.357(1)<br>§ 115.357(8)<br>§ 115.357(9)  | No pressure relief valves contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.     | § 115.354(1)<br>§ 115.354(2)<br>§ 115.354(4)<br>§ 115.354(5)<br>§ 115.354(6)<br>[G]§ 115.354(7)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1)  | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5)                  | [G]§ 115.354(7)                           |
| A20MDFU1                  | EU                      | R5352-        | VOC       | 30 TAC Chapter                                     | § 115.352(1)(A)                                                                                                                                                                                        | No process drains                                                                                                                                                                                                                                                                                                                                                                            | § 115.354(1)                                                                                                                                     | § 115.352(7)                                                                                                                                                                 | None                                      |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name              | Emission Limitation, Standard or Equipment Specification Citation                                                  | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
|                           |                         | ALL           |           | 115, Pet. Refinery & Petrochemicals                | § 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(3)<br>§ 115.352(7)                                    | contacting a fluid with TVP greater than 0.044 psia (gas/vapor or light liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound.               | § 115.354(10)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355                | § 115.354(10)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>§ 115.356(5)                      |                                           |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.352(1)(A)<br>§ 115.352(1)<br>§ 115.352(2)<br>§ 115.352(2)(A)<br>§ 115.352(3)<br>§ 115.352(7)<br>§ 115.357(1) | No process drains contacting a fluid with TVP less than or equal to 0.044 psia (heavy liquid service) shall be allowed to have a VOC leak, for more than 15 days after discovery, which exceeds a screening concentration greater than 500 parts per million by volume above background as methane, or the dripping or exuding of process fluid based on sight, smell, or sound. | § 115.354(1)<br>§ 115.354(5)<br>§ 115.354(6)<br>§ 115.354(9)<br>[G]§ 115.355<br>§ 115.357(1) | § 115.352(7)<br>§ 115.356<br>[G]§ 115.356(1)<br>[G]§ 115.356(2)<br>§ 115.356(3)<br>§ 115.356(3)(A)<br>§ 115.356(3)(B)<br>[G]§ 115.356(3)(C)<br>§ 115.356(5) | None                                      |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(6)                                                                                                       | Components at a petroleum refinery or synthetic organic chemical, polymer, resin, or methyl-tert-butyl ether manufacturing process, that contact a process fluid that contains less than 10% VOC by weight are exempt from the requirements of                                                                                                                                   | None                                                                                         | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C)                                                                                                             | None                                      |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name              | Emission Limitation, Standard or Equipment Specification Citation | 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) |
|---------------------------|-------------------------|---------------|-----------|----------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------|-------------------------------------------|
|                           |                         |               |           |                                                    |                                                                   | this division except §115.356(3)(C) of this title.                                                                                                                                                                                           |                                     |                                                 |                                           |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(13)                                                     | Components/systems that contact a process fluid containing VOC having a true vapor pressure equal to or less than 0.002 psia at 68 degrees Fahrenheit are exempt from the requirements of this division except §115.356(3)(C) of this title. | None                                | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C) | None                                      |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(11)                                                     | Sampling connection systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet the requirements of 40 CFR §63.166(a) and (b) (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title. | None                                | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C) | None                                      |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(10)                                                     | Instrumentation systems, as defined in 40 CFR §63.161 (January 17, 1997), that meet 40 CFR §63.169 (June 20, 1996) are exempt from the requirements of this division except §115.356(3)(C) of this title.                                    | None                                | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C) | None                                      |
| A20MDFU1                  | EU                      | R5352-ALL     | VOC       | 30 TAC Chapter 115, Pet. Refinery & Petrochemicals | § 115.357(5)                                                      | Reciprocating compressors and positive displacement pumps used in natural gas/gasoline processing operations are exempt from the requirements of this division except                                                                        | None                                | § 115.356<br>§ 115.356(3)<br>[G]§ 115.356(3)(C) | None                                      |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                                                                                               | 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)                                   |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                                                                                                 | §115.356(3)(C) of this title.                                                                                                                                                                                                                                                                                               |                                                |                                                                       |                                                                             |
| A20MDFU1                  | EU                      | 60VVa-ALL     | VOC         | 40 CFR Part 60, Subpart VVa           | § 60.480a(e)(2)(i)<br>§ 60.480a(e)(2)(ii)<br>§ 60.482-1a(a)<br>§ 60.482-1a(b)<br>§ 60.485a(f)<br>§ 60.486a(a)(1)<br>§ 60.486a(a)(2)<br>§ 60.486a(k)                             | Owners or operators may choose to comply with the provisions of 40 CFR Part 63, Subpart H, to satisfy the requirements of §§60.482-1a through 60.487a for an affected facility. When choosing to comply with 40 CFR Part 63, Subpart H, the requirements of §60.485a(d), (e), and (f), and §60.486a(i) and (j) still apply. | [G]§ 60.485a(d)<br>[G]§ 60.485a(e)             | § 60.486a(i)<br>§ 60.486a(i)(1)<br>§ 60.486a(i)(2)<br>§ 60.486a(i)(3) | None                                                                        |
| A20MDFU1                  | EU                      | 63EEEE-01     | 112(B) HAPS | 40 CFR Part 63, Subpart EEEE          | § 63.2346(c)<br>§ 63.2338(b)<br>§ 63.2350(a)<br>§ 63.2350(d)<br>§ 63.2358(c)(2)<br>§ 63.2370(a)<br>§ 63.2370(a)-Table 7.4.a.i<br>§ 63.2370(a)-Table 7.4.a.ii<br>§ 63.2396(e)(2) | Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart H, with the differences noted in §63.2346(c): §63.166, Standards: Sampling connection systems. §63.166(a)-(c)                                                                                                                | § 63.2358(c)(2)<br>§ 63.2378(a)-Table 10.5.a.i | § 63.2370(a)-Table 7.4.a.ii<br>§ 63.2396(e)(2)                        | § 63.2382(d)(2)<br>§ 63.2382(d)(2)(v)<br>§ 63.2382(d)(3)<br>§ 63.2396(e)(2) |
| A20MDFU1                  | EU                      | 63EEEE-01     | 112(B) HAPS | 40 CFR Part 63, Subpart EEEE          | § 63.2346(c)<br>§ 63.2338(b)<br>§ 63.2350(a)<br>§ 63.2350(d)<br>§ 63.2358(c)(2)<br>§ 63.2370(a)<br>§ 63.2370(a)-Table 7.4.a.i<br>§ 63.2370(a)-Table 7.4.a.ii<br>§ 63.2396(e)(2) | Control equipment leaks according to all applicable requirements under 40 CFR part 63, subpart H, with the differences noted in §63.2346(c): §63.168, Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j)                                                                                    | § 63.2358(c)(2)<br>§ 63.2378(a)-Table 10.5.a.i | § 63.2370(a)-Table 7.4.a.ii<br>§ 63.2396(e)(2)                        | § 63.2382(d)(2)<br>§ 63.2382(d)(2)(v)<br>§ 63.2382(d)(3)<br>§ 63.2396(e)(2) |
| A20MDFU1                  | EU                      | 63H-ALL       | 112(B)      | 40 CFR Part 63,                       | § 63.162(e)                                                                                                                                                                     | Equipment that is in organic                                                                                                                                                                                                                                                                                                | [G]§ 63.180(d)                                 | § 63.181(a)                                                           | [G]§ 63.182(a)                                                              |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant      | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                           | Textual Description (See Special Term and Condition 1.B.)                                                                                                  | Monitoring And Testing Requirements                               | Recordkeeping Requirements<br>(30 TAC § 122.144)                                 | Reporting Requirements<br>(30 TAC § 122.145)                                                             |
|---------------------------|-------------------------|---------------|----------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|                           |                         |               | HAPS           | Subpart H                             | § 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(g)<br>§ 63.162(h)                                                 | HAP service less than 300 hours per year is excluded from the requirements of §§63.163 - 63.174 and §63.178 if it is identified as required in §63.181(j). |                                                                   | [G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(i)<br>§ 63.181(j)                   | [G]§ 63.182(b)                                                                                           |
| A20MDFU1                  | EU                      | 63H-ALL       | 112(B)<br>HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.164<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Compressors. §63.164(a)-(i)                                                                                                                     | [G]§ 63.164<br>[G]§ 63.180(b)<br>[G]§ 63.180(c)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>[G]§ 63.181(f) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| A20MDFU1                  | EU                      | 63H-ALL       | 112(B)<br>HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.165<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171                   | Standards: Pressure relief device in gas/vapor service. §63.165(a)-(d)                                                                                     | [G]§ 63.165<br>[G]§ 63.180(b)<br>[G]§ 63.180(c)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(f)                   | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| A20MDFU1                  | EU                      | 63H-ALL       | 112(B)<br>HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.166<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171                   | Standards: Sampling connection systems. §63.166(a)-(c)                                                                                                     | [G]§ 63.180(b)<br>[G]§ 63.180(d)                                  | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(i)                   | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| A20MDFU1                  | EU                      | 63H-ALL       | 112(B)<br>HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.169<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Pumps in heavy liquid service. §63.169(a)-(d)                                                                                                   | [G]§ 63.169<br>[G]§ 63.180(b)<br>[G]§ 63.180(d)                   | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>[G]§ 63.181(i) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| A20MDFU1                  | EU                      | 63H-ALL       | 112(B)<br>HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.169<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)                                                 | Standards: Valves in heavy liquid service. §63.169(a)-(d)                                                                                                  | [G]§ 63.169<br>[G]§ 63.180(b)<br>[G]§ 63.180(d)                   | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)                   | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)                                     |

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| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant      | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                           | 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)                                                                |
|---------------------------|-------------------------|---------------|----------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|                           |                         |               |                |                                       | [G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171                                                                |                                                                      |                                                 | [G]§ 63.181(i)                                                                   | § 63.182(c)(4)<br>[G]§ 63.182(d)                                                                         |
| A20MDFU1                  | EU                      | 63H-ALL       | 112(B)<br>HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.169<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Connectors in heavy liquid service. §63.169(a)-(d)        | [G]§ 63.169<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>[G]§ 63.181(i) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| A20MDFU1                  | EU                      | 63H-ALL       | 112(B)<br>HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.169<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Agitators in heavy liquid service. §63.169(a)-(d)         | [G]§ 63.169<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>[G]§ 63.181(i) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| A20MDFU1                  | EU                      | 63H-ALL       | 112(B)<br>HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.169<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Instrumentation systems. §63.169(a)-(d)                   | [G]§ 63.169<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)                   | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| A20MDFU1                  | EU                      | 63H-ALL       | 112(B)<br>HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.169<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Pressure relief devices in liquid service. §63.169(a)-(d) | [G]§ 63.169<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)                   | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| A20MDFU1                  | EU                      | 63H-ALL       | 112(B)<br>HAPS | 40 CFR Part 63, Subpart H             | § 63.170<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(g)<br>§ 63.162(h)                                     | Standards: Surge control vessels and bottom receivers.               | [G]§ 63.180(b)<br>[G]§ 63.180(d)                | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)                                     | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)                   |

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|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       | [G]§ 63.171                                                                                                                |                                                                                        |                                                                |                                                                                                                                                                                                    | [G]§ 63.182(d)                                                                                           |
| A20MDFU1                  | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.173<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171                | Standards: Agitators gas/vapor service and in light liquid service. §63.173(a)-(j).    | [G]§ 63.173<br>[G]§ 63.180(b)<br>[G]§ 63.180(d)                | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)                                                                                                                                     | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| A20MDFU1                  | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.174<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171                | Standards: Connectors in gas/vapor service and in light liquid service. §63.174(a)-(j) | [G]§ 63.174<br>[G]§ 63.180(b)<br>[G]§ 63.180(d)                | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)                                                                                                                                     | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| A20MDFU1                  | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.163<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171<br>[G]§ 63.176 | Standards: Pumps in light liquid service. §63.163(a)-(j)                               | [G]§ 63.163<br>[G]§ 63.176<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(h)<br>[G]§ 63.181(h)(3)<br>§ 63.181(h)(4)<br>[G]§ 63.181(h)(5)<br>§ 63.181(h)(6)<br>§ 63.181(h)(7)<br>§ 63.181(h)(8)    | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| A20MDFU1                  | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H             | [G]§ 63.168<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(f)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171<br>[G]§ 63.175 | Standards: Valves in gas/vapor service and in light liquid service. §63.168(a)-(j)     | [G]§ 63.168<br>[G]§ 63.175<br>[G]§ 63.180(b)<br>[G]§ 63.180(d) | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(d)<br>§ 63.181(h)<br>[G]§ 63.181(h)(1)<br>[G]§ 63.181(h)(2)<br>§ 63.181(h)(4)<br>[G]§ 63.181(h)(5)<br>§ 63.181(h)(6)<br>§ 63.181(h)(7) | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |

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| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name            | Emission Limitation, Standard or Equipment Specification Citation                         | 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)                                                                |
|---------------------------|-------------------------|---------------|-------------|--------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| A20MDFU1                  | EU                      | 63H-ALL       | 112(B) HAPS | 40 CFR Part 63, Subpart H                        | [G]§ 63.167<br>§ 63.162(a)<br>§ 63.162(c)<br>[G]§ 63.162(g)<br>§ 63.162(h)<br>[G]§ 63.171 | Standards: Open-ended valves or lines. §63.167(a)-(e).                                                                                                                                                      | [G]§ 63.180(b)<br>[G]§ 63.180(d)                                         | § 63.181(a)<br>[G]§ 63.181(b)<br>§ 63.181(c)<br>[G]§ 63.181(i)                                               | [G]§ 63.182(a)<br>[G]§ 63.182(b)<br>§ 63.182(c)<br>[G]§ 63.182(c)(1)<br>§ 63.182(c)(4)<br>[G]§ 63.182(d) |
| A20MDLR1                  | EU                      | R5211-01      | VOC         | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(1)<br>§ 115.214(a)(1)(B)<br>§ 115.214(a)(1)(D)<br>§ 115.214(a)(1)(D)(i)      | Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified. | § 115.214(a)(1)(A)<br>§ 115.214(a)(1)(A)(i)<br>§ 115.215<br>§ 115.215(4) | § 115.216<br>§ 115.216(2)<br>§ 115.216(3)(B)                                                                 | None                                                                                                     |
| A20MDLRP L                | EU                      | R5211-01      | VOC         | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(1)<br>§ 115.214(a)(1)(B)<br>§ 115.214(a)(1)(D)<br>§ 115.214(a)(1)(D)(i)      | Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified. | § 115.214(a)(1)(A)<br>§ 115.214(a)(1)(A)(i)<br>§ 115.215<br>§ 115.215(4) | § 115.216<br>§ 115.216(2)<br>§ 115.216(3)(B)                                                                 | None                                                                                                     |
| A20MDLRP L                | EU                      | 63G-01        | 112(B) HAPS | 40 CFR Part 63, Subpart G                        | § 63.126(c)                                                                               | For each Group 2 transfer rack, maintain records as required in § 63.130(f). No other provisions for transfer racks apply to the Group 2 transfer rack.                                                     | None                                                                     | § 63.130(f)<br>§ 63.130(f)(1)<br>§ 63.130(f)(2)<br>§ 63.130(f)(3)<br>§ 63.130(f)(3)(i)<br>§ 63.130(f)(3)(ii) | § 63.152(c)(4)(iii)                                                                                      |
| A20MDR113 0A/B            | EP                      | R1111-01      | Opacity     | 30 TAC Chapter 111, Visible Emissions            | § 111.111(a)(1)(B)                                                                        | Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six-minute period for any source on which construction was begun after January 31,                            | None                                                                     | None                                                                                                         | None                                                                                                     |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|
|                           |                         |               |           |                                       |                                                                   | 1972. The emissions from this vent originate from colorless VOCs, non-fuming liquids, or other sources that are not capable of obstructing the transmission of light. These vents are not capable of exceeding the opacity standards of 30 TAC Chapter 111 and therefore no monitoring is required to demonstrate compliance.                                                                                                                 |                                                             |                                               |                                           |
| A20MDR113 0A/B            | EP                      | R5121-01      | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(4)(A) [G]§ 115.122(a)(4)                             | Any reactor process or distillation operation that is designed and operated in a batch mode is exempt from the requirements of §115.121(a)(2)(A) of this title. For the purposes of this subparagraph, batch mode means any noncontinuous reactor process or distillation operation which is not characterized by steady-state conditions, and in which the addition of reactants does not occur simultaneously with the removal of products. | None                                                        | None                                          | None                                      |
| A20MDST12 A               | EP                      | R1111-01      | Opacity   | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(B) § 111.111(a)(1)(E)                             | Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31,                                                                                                                                                                                                                                                              | [G]§ 111.111(a)(1)(F)<br>** See Periodic Monitoring Summary | None                                          | None                                      |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------|
|                           |                         |               |             |                                       |                                                                   | 1972.                                                                                                                                                                                         |                                                             |                                                                             |                                           |
| A20MDST12B                | EP                      | R1111-01      | Opacity     | 30 TAC Chapter 111, Visible Emissions | § 111.111(a)(1)(B)<br>§ 111.111(a)(1)(E)                          | Visible emissions from any stationary vent shall not exceed an opacity of 20% averaged over a six minute period for any source on which construction was begun after January 31, 1972.        | [G]§ 111.111(a)(1)(F)<br>** See Periodic Monitoring Summary | None                                                                        | None                                      |
| A20MDST1600               | EP                      | R5121-01      | VOC         | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A)<br>[G]§ 115.122(a)(4)<br>§ 115.127(a)(2)       | A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title. | [G]§ 115.125<br>§ 115.126(2)                                | § 115.126<br>§ 115.126(2)<br>§ 115.126(4)                                   | None                                      |
| A20MDT1140                | EU                      | R5112-01      | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)                                                   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.                                   | [G]§ 115.117                                                | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(6)(A)<br>§ 115.118(a)(7) | None                                      |
| A20MDT1140                | EU                      | 63G-01        | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(a)(3)                                                    | Group 2 tanks not using emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.                          | None                                                        | § 63.123(a)                                                                 | § 63.152(c)(4)(iii)                       |
| A20MDT920                 | EP                      | R5121-01      | VOC         | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A)<br>[G]§ 115.122(a)(4)<br>§ 115.127(a)(2)       | A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous                                                             | [G]§ 115.125<br>§ 115.126(2)                                | § 115.126<br>§ 115.126(2)<br>§ 115.126(4)                                   | None                                      |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation                                        | 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)                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                       |                                                                                                          | 24-hour period is exempt from §115.121(a)(1) of this title.                                                                                                     |                                                                                                          |                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                |
| A20MDT920                 | EP                      | 63G-01        | 112(B) HAPS | 40 CFR Part 63, Subpart G             | [G]§ 63.113(a)(2)<br>§ 63.113(c)(1)<br>§ 63.113(c)(1)(i)<br>§ 63.113(h)<br>[G]§ 63.115(f)<br>§ 63.116(b) | Reduce emissions of total organic HAPs by 98 wt.% or to a concentration of 20 ppm by volume; whichever is less stringent or as specified. §63.113(a)(2)(i)-(ii) | § 63.114(a)<br>§ 63.114(a)(1)(i)<br>[G]§ 63.114(a)(4)<br>§ 63.114(e)<br>[G]§ 63.115(f)<br>[G]§ 63.116(d) | § 63.114(a)(1)<br>[G]§ 63.114(a)(4)<br>[G]§ 63.117(a)(6)<br>§ 63.118(a)(1)<br>§ 63.118(a)(2)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f) | § 63.114(e)<br>[G]§ 63.117(a)(6)<br>§ 63.117(f)<br>§ 63.118(f)(1)<br>§ 63.118(f)(2)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)<br>[G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6) |
| A20MDT920                 | EP                      | 63G-02        | 112(B) HAPS | 40 CFR Part 63, Subpart G             | [G]§ 63.113(a)(1)<br>§ 63.11<br>§ 63.113(c)(2)<br>§ 63.113(h)<br>[G]§ 63.115(f)                          | Reduce emissions of organic HAP using a flare. §63.113(a)(1)(i)-(ii)                                                                                            | § 63.114(a)<br>§ 63.114(a)(2)<br>[G]§ 63.115(d)(2)(v)<br>[G]§ 63.115(f)<br>[G]§ 63.116(a)                | [G]§ 63.117(a)(5)<br>§ 63.118(a)(1)<br>§ 63.118(a)(2)<br>[G]§ 63.152(a)<br>[G]§ 63.152(f)                                        | § 63.114(e)<br>[G]§ 63.117(a)(5)<br>§ 63.117(f)<br>§ 63.118(f)(2)<br>§ 63.118(f)(5)<br>[G]§ 63.151(b)<br>§ 63.151(e)<br>[G]§ 63.151(e)(1)<br>§ 63.151(e)(2)<br>§ 63.151(e)(3)<br>[G]§ 63.151(j)<br>[G]§ 63.152(a)<br>§ 63.152(b)                                                                                                                                                                                               |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name            | Emission Limitation, Standard or Equipment Specification Citation                                       | 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)                                                                                                                                                  |
|---------------------------|-------------------------|---------------|-------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                         |               |             |                                                  |                                                                                                         |                                                                                                                                                                                                                                                                                    |                                                                          |                                               | [G]§ 63.152(b)(1)<br>[G]§ 63.152(b)(2)<br>§ 63.152(c)(1)<br>§ 63.152(c)(2)<br>§ 63.152(c)(2)(i)<br>[G]§ 63.152(c)(2)(ii)<br>§ 63.152(c)(2)(iii)<br>§ 63.152(c)(4)(ii)<br>[G]§ 63.152(c)(6) |
| A20MDUL1 A                | EU                      | R5211-01      | VOC         | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(1)<br>§ 115.212(a)(2)<br>§ 115.214(a)(1)(B)<br>§ 115.214(a)(1)(D)<br>§ 115.214(a)(1)(D)(i) | Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.                                                                        | § 115.214(a)(1)(A)<br>§ 115.214(a)(1)(A)(i)<br>§ 115.215<br>§ 115.215(4) | § 115.216<br>§ 115.216(2)<br>§ 115.216(3)(B)  | None                                                                                                                                                                                       |
| A20MDUL1 A                | EU                      | 63EEEE-01     | 112(B) HAPS | 40 CFR Part 63, Subpart EEEE                     | § 63.2343(a)<br>§ 63.2338(b)<br>§ 63.2350(d)                                                            | For each transfer rack subject to this subpart that only unloads organic liquids (i.e., no organic liquids are loaded at any of the transfer racks), you must keep documentation that verifies that each transfer rack identified in §63.2343(a) is not required to be controlled. | None                                                                     | § 63.2343(a)<br>§ 63.2390(a)                  | None                                                                                                                                                                                       |
| A20MDUL1 B                | EU                      | R5211-01      | VOC         | 30 TAC Chapter 115, Loading and Unloading of VOC | § 115.217(a)(1)<br>§ 115.212(a)(2)<br>§ 115.214(a)(1)(B)<br>§ 115.214(a)(1)(D)<br>§ 115.214(a)(1)(D)(i) | Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.                                                                        | § 115.214(a)(1)(A)<br>§ 115.214(a)(1)(A)(i)<br>§ 115.215<br>§ 115.215(4) | § 115.216<br>§ 115.216(2)<br>§ 115.216(3)(B)  | None                                                                                                                                                                                       |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------|-------------------------------------------|
| A20MDV123 5A              | EU                      | R5112-01      | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)                                                   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.                                   | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7) | None                                      |
| A20MDV123 5A              | EU                      | 63G-01        | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(a)(3)                                                    | Group 2 tanks not using emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.                          | None                                | § 63.123(a)                                           | § 63.152(c)(4)(iii)                       |
| A20MDV123 5B              | EU                      | R5112-01      | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)                                                   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.                                   | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7) | None                                      |
| A20MDV123 5B              | EU                      | 63G-01        | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(a)(3)                                                    | Group 2 tanks not using emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.                          | None                                | § 63.123(a)                                           | § 63.152(c)(4)(iii)                       |
| A20MDV130 0               | EP                      | R5121-01      | VOC         | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A)<br>[G]§ 115.122(a)(4)<br>§ 115.127(a)(2)       | A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title. | [G]§ 115.125<br>§ 115.126(2)        | § 115.126<br>§ 115.126(2)<br>§ 115.126(4)             | None                                      |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant   | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | 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) |
|---------------------------|-------------------------|---------------|-------------|---------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------|
| A20MDV1305                | EU                      | R5112-01      | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)                                                   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.          | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(6)(A)<br>§ 115.118(a)(7) | None                                      |
| A20MDV1305                | EU                      | 63G-01        | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(a)(3)                                                    | Group 2 tanks not using emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123. | None                                | § 63.123(a)                                                                 | § 63.152(c)(4)(iii)                       |
| A20MDV1310                | EU                      | R5112-01      | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)                                                   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.          | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(6)(A)<br>§ 115.118(a)(7) | None                                      |
| A20MDV1310                | EU                      | 63G-01        | 112(B) HAPS | 40 CFR Part 63, Subpart G             | § 63.119(a)(3)                                                    | Group 2 tanks not using emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123. | None                                | § 63.123(a)                                                                 | § 63.152(c)(4)(iii)                       |
| A20MDV2520                | EU                      | R5112-01      | VOC         | 30 TAC Chapter 115, Storage of VOCs   | § 115.111(a)(1)                                                   | Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.          | [G]§ 115.117                        | § 115.118(a)(1)<br>§ 115.118(a)(5)<br>§ 115.118(a)(7)                       | None                                      |
| A20MDV252                 | EU                      | 63G-01        | 112(B)      | 40 CFR Part 63,                       | § 63.119(a)(3)                                                    | Group 2 tanks not using                                                                                                                                              | None                                | § 63.123(a)                                                                 | § 63.152(c)(4)(iii)                       |

### Applicable Requirements Summary

| Unit Group Process ID No. | Unit Group Process Type | SOP Index No. | Pollutant | State Rule or Federal Regulation Name | Emission Limitation, Standard or Equipment Specification Citation | 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) |
|---------------------------|-------------------------|---------------|-----------|---------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------|-------------------------------------------|
| 0                         |                         |               | HAPS      | Subpart G                             |                                                                   | emissions averaging as prescribed by §63.150 shall use record keeping methods in §63.123(a). Not required to comply with §63.119 to §63.123.                                                  |                                     |                                               |                                           |
| A20MDV800                 | EP                      | R5121-01      | VOC       | 30 TAC Chapter 115, Vent Gas Controls | § 115.127(a)(2)(A)<br>[G]§ 115.122(a)(4)<br>§ 115.127(a)(2)       | A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title. | [G]§ 115.125<br>§ 115.126(2)        | § 115.126<br>§ 115.126(2)<br>§ 115.126(4)     | None                                      |

## **Additional Monitoring Requirements**

|                                          |           |
|------------------------------------------|-----------|
| <b>Periodic Monitoring Summary .....</b> | <b>45</b> |
|------------------------------------------|-----------|

## Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: A20MDST12A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: N/A          |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: R1111-01           |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| Minimum Frequency: Monthly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder shall report a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emission 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 observer shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation.</p> |                                   |

### Periodic Monitoring Summary

| Unit/Group/Process Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ID No.: A20MDST12B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |
| Control Device ID No.: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Control Device Type: N/A          |
| Applicable Regulatory Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
| Name: 30 TAC Chapter 111, Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | SOP Index No.: R1111-01           |
| Pollutant: Opacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Main Standard: § 111.111(a)(1)(B) |
| Monitoring Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |
| Indicator: Visible Emissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |
| Minimum Frequency: Monthly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   |
| Averaging Period: N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |
| Deviation Limit: There shall be no visible emissions. If visible emissions are observed, the permit holder shall report a deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |
| <p>Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observation cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emission 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 observer shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation.</p> |                                   |

**Permit Shield**

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### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation                            | Basis of Determination                                                                                                                                                                                                                                     |
|-------------------------------|-------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A20MD1215                     | N/A                     | 40 CFR Part 63, Subpart G             | Does not meet definition of process vent because it does not contain OHAP.                                                                                                                                                                                 |
| A20MD143L                     | N/A                     | 30 TAC Chapter 115, Vent Gas Controls | Meets the requirements of 40 CFR §60.700(c)(2) or §60.702(c) (concerning Subpart RRR--Standards of Performance for VOC Emissions from SOCMR Reactor Processes, December 14, 2000) so the vent gas stream is exempt from requirements of §115.121(a)(2)(A). |
| A20MD143L                     | N/A                     | 40 CFR Part 60, Subpart III           | Not an air oxidation reactor.                                                                                                                                                                                                                              |
| A20MD143L                     | N/A                     | 40 CFR Part 60, Subpart RRR           | For a HON Group 2 process vent with a TRE value greater than 1.0 that is also subject to 40 CFR Part 60, Subpart RRR, compliance with the HON as described in 63.110(d)(10) will constitute compliance with 40 CFR Part 60, Subpart RRR.                   |
| A20MD2500                     | N/A                     | 40 CFR Part 60, Subpart III           | Not an air oxidation reactor.                                                                                                                                                                                                                              |
| A20MD2500                     | N/A                     | 40 CFR Part 63, Subpart FFFF          | Does not meet the definition of a batch process vent because total uncontrolled HAP emissions are less than 200 lb/yr.                                                                                                                                     |
| A20MD2500                     | N/A                     | 40 CFR Part 63, Subpart G             | For batch process vents within a chemical manufacturing process unit (CMPU), the miscellaneous chemical process unit (MCPU) under MACT FFFF is the same as the CMPU, and the batch process vents are only subject to requirements in MACT FFFF.            |
| A20MD2550                     | N/A                     | 40 CFR Part 60, Subpart Kb            | Storage capacity is <19,800 gallons.                                                                                                                                                                                                                       |

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation                          | Basis of Determination                                                                                                                                          |
|-------------------------------|-------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A20MD2550                     | N/A                     | 40 CFR Part 63, Subpart G           | Does not meet the definition of a storage vessel because capacity < 10,038 gallons.                                                                             |
| A20MDCT1700                   | N/A                     | 40 CFR Part 63, Subpart F           | System is used to cool process fluids that contain less than 5% by weight of total HAPs listed in Table 4.                                                      |
| A20MDCT1700                   | N/A                     | 40 CFR Part 63, Subpart Q           | No chromium-based water treatment chemicals on or after September 8, 1994.                                                                                      |
| A20MDD1015                    | N/A                     | 40 CFR Part 63, Subpart G           | Does not meet definition of process vent because it does not contain OHAP.                                                                                      |
| A20MDD1100                    | N/A                     | 40 CFR Part 60, Subpart Kb          | Storage capacity is <19,800 gallons.                                                                                                                            |
| A20MDD1100                    | N/A                     | 40 CFR Part 63, Subpart G           | Does not meet the definition of a storage vessel and does not handle affected liquid streams.                                                                   |
| A20MDD1200A                   | N/A                     | 40 CFR Part 63, Subpart G           | Does not meet the definition of a storage vessel.                                                                                                               |
| A20MDD1200B                   | N/A                     | 40 CFR Part 63, Subpart G           | Does not meet the definition of a storage vessel.                                                                                                               |
| A20MDD1205                    | N/A                     | 40 CFR Part 60, Subpart Kb          | Storage vessel is equal or greater than 19,800 gallons but less than 39,900 gallons and storing a liquid with a maximum true vapor pressure less than 2.2 psia. |
| A20MDD1210                    | N/A                     | 30 TAC Chapter 115, Storage of VOCs | A storage tank with storage capacity less than 1,000 gallons.                                                                                                   |
| A20MDD1210                    | N/A                     | 40 CFR Part 60, Subpart Kb          | Storage capacity is <19,800 gallons.                                                                                                                            |
| A20MDD1210                    | N/A                     | 40 CFR Part 63, Subpart G           | Does not meet the definition of a storage vessel and does not handle affected liquid streams.                                                                   |
| A20MDD1215                    | N/A                     | 30 TAC Chapter 115, Storage of VOCs | A storage tank with storage capacity less than 1,000 gallons.                                                                                                   |

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation                          | Basis of Determination                                                                        |
|-------------------------------|-------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------|
| A20MDD1215                    | N/A                     | 40 CFR Part 60, Subpart Kb          | Storage capacity is <19,800 gallons.                                                          |
| A20MDD1215                    | N/A                     | 40 CFR Part 63, Subpart G           | Does not meet the definition of a storage vessel and does not handle affected liquid streams. |
| A20MDD1220                    | N/A                     | 30 TAC Chapter 115, Storage of VOCs | A storage tank with storage capacity less than 1,000 gallons.                                 |
| A20MDD1220                    | N/A                     | 40 CFR Part 60, Subpart Kb          | Storage capacity is <19,800 gallons.                                                          |
| A20MDD1220                    | N/A                     | 40 CFR Part 63, Subpart G           | Does not meet the definition of a storage vessel and does not handle affected liquid streams. |
| A20MDD1800                    | N/A                     | 30 TAC Chapter 115, Storage of VOCs | A storage tank with storage capacity less than 1,000 gallons.                                 |
| A20MDD1800                    | N/A                     | 40 CFR Part 60, Subpart Kb          | Storage capacity is <19,800 gallons.                                                          |
| A20MDD1800                    | N/A                     | 40 CFR Part 63, Subpart G           | Does not meet the definition of a storage vessel and does not handle affected liquid streams. |
| A20MDD2510                    | N/A                     | 40 CFR Part 63, Subpart G           | Does not meet definition of process vent because it does not contain OHAP.                    |
| A20MDD60                      | N/A                     | 30 TAC Chapter 115, Storage of VOCs | A storage tank with storage capacity less than 1,000 gallons.                                 |
| A20MDD60                      | N/A                     | 40 CFR Part 60, Subpart Kb          | Storage capacity is <19,800 gallon.                                                           |
| A20MDD60                      | N/A                     | 40 CFR Part 63, Subpart G           | Does not meet the definition of a storage vessel because capacity < 10,038 gallons.           |
| A20MDD65                      | N/A                     | 30 TAC Chapter 115, Storage of VOCs | A storage tank with storage capacity less than 1,000 gallons.                                 |
| A20MDD65                      | N/A                     | 40 CFR Part 60, Subpart Kb          | Storage capacity is <19,800 gallon.                                                           |
| A20MDD65                      | N/A                     | 40 CFR Part 63, Subpart G           | Does not meet the definition of a storage vessel                                              |

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation                          | Basis of Determination                                                                                                                                                             |
|-------------------------------|-------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                               |                         |                                     | because capacity < 10,038 gallons.                                                                                                                                                 |
| A20MDD70                      | N/A                     | 30 TAC Chapter 115, Storage of VOCs | A storage tank with storage capacity less than 1,000 gallons.                                                                                                                      |
| A20MDD70                      | N/A                     | 40 CFR Part 60, Subpart Kb          | Storage capacity is <19,800 gallon.                                                                                                                                                |
| A20MDD70                      | N/A                     | 40 CFR Part 63, Subpart G           | Does not meet the definition of a storage vessel because capacity < 10,038 gallons.                                                                                                |
| A20MDE1015                    | N/A                     | 40 CFR Part 63, Subpart F           | The heat exchange system is operated with the minimum pressure on the cooling water side at least 35 kilopascals (5.1 psia) greater than the maximum pressure on the process side. |
| A20MDE1325                    | N/A                     | 40 CFR Part 63, Subpart F           | System is used to cool process fluids that contain less than 5% by weight of total HAPs listed in Table 4.                                                                         |
| A20MDE1600                    | N/A                     | 40 CFR Part 63, Subpart F           | System is used to cool process fluids that contain less than 5% by weight of total HAPs listed in Table 4.                                                                         |
| A20MDE1805                    | N/A                     | 40 CFR Part 63, Subpart F           | System is used to cool process fluids that contain less than 5% by weight of total HAPs listed in Table 4.                                                                         |
| A20MDLR1                      | N/A                     | 40 CFR Part 63, Subpart G           | Does not meet definition of a transfer rack.                                                                                                                                       |
| A20MDR1130A/B                 | N/A                     | 40 CFR Part 63, Subpart FFFF        | Does not meet the definition of a batch process vent because total uncontrolled HAP emissions are less than 200 lb/yr.                                                             |
| A20MDR1130A/B                 | N/A                     | 40 CFR Part 63, Subpart G           | For batch process vents within a chemical manufacturing process unit (CMPU), the                                                                                                   |

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation                  | Basis of Determination                                                                                                                                                  |
|-------------------------------|-------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                               |                         |                             | miscellaneous chemical process unit (MCPU) under MACT FFFF is the same as the CMPU, and the batch process vents are only subject to requirements in MACT FFFF.          |
| A20MDST12A                    | N/A                     | 40 CFR Part 63, Subpart G   | Does not meet the definition of a process vent because it does not contain OHAP.                                                                                        |
| A20MDST12B                    | N/A                     | 40 CFR Part 63, Subpart G   | Does not meet definition of process vent because it does not contain OHAP.                                                                                              |
| A20MDST1600                   | N/A                     | 40 CFR Part 63, Subpart G   | Does not meet definition of process vent because it does not contain OHAP.                                                                                              |
| A20MDT1140                    | N/A                     | 40 CFR Part 60, Subpart Kb  | Storage vessel is equal or greater than 19,800 gallons but less than 39,900 gallons and storing a liquid with a maximum true vapor pressure less than 2.2 psia.         |
| A20MDT920                     | N/A                     | 40 CFR Part 60, Subpart NNN | Group 1 process vent that is also subject to the provisions of 40 CFR Part 60, Subpart NNN is required to comply only with the provisions of 40 CFR Part 63, Subpart G. |
| A20MDUL1A                     | N/A                     | 40 CFR Part 63, Subpart G   | Does not meet the definition of a transfer rack because it is used only for unloading operations.                                                                       |
| A20MDUL1B                     | N/A                     | 40 CFR Part 63, Subpart G   | Does not meet the definition of a transfer rack because it is used only for unloading operations.                                                                       |
| A20MDV1235A                   | N/A                     | 40 CFR Part 60, Subpart Kb  | Storage capacity is <19,800 gallons.                                                                                                                                    |
| A20MDV1235B                   | N/A                     | 40 CFR Part 60, Subpart Kb  | Storage capacity is <19,800 gallons.                                                                                                                                    |
| A20MDV1300                    | N/A                     | 40 CFR Part 63, Subpart G   | Does not meet definition of process vent                                                                                                                                |

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation                          | Basis of Determination                                                                                                             |
|-------------------------------|-------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
|                               |                         |                                     | because it does not contain OHAP.                                                                                                  |
| A20MDV1305                    | N/A                     | 40 CFR Part 60, Subpart Kb          | Storage vessel is equal or greater than 39,900 gallons and storing a liquid with a maximum true vapor pressure less than 0.5 psia. |
| A20MDV1310                    | N/A                     | 40 CFR Part 60, Subpart Kb          | Storage vessel is equal or greater than 39,900 gallons and storing a liquid with a maximum true vapor pressure less than 0.5 psia. |
| A20MDV1720                    | N/A                     | 30 TAC Chapter 115, Storage of VOCs | A storage tank with storage capacity less than 1,000 gallons.                                                                      |
| A20MDV1720                    | N/A                     | 40 CFR Part 60, Subpart Kb          | Storage capacity is <19,800 gallons.                                                                                               |
| A20MDV1720                    | N/A                     | 40 CFR Part 63, Subpart G           | Does not meet the definition of a storage vessel and does not handle affected liquid streams.                                      |
| A20MDV1725                    | N/A                     | 30 TAC Chapter 115, Storage of VOCs | A storage tank with storage capacity less than 1,000 gallons.                                                                      |
| A20MDV1725                    | N/A                     | 40 CFR Part 60, Subpart Kb          | Storage capacity is <19,800 gallons.                                                                                               |
| A20MDV1725                    | N/A                     | 40 CFR Part 63, Subpart G           | Does not meet the definition of a storage vessel and does not handle affected liquid streams.                                      |
| A20MDV1730                    | N/A                     | 30 TAC Chapter 115, Storage of VOCs | A storage tank with storage capacity less than 1,000 gallons.                                                                      |
| A20MDV1730                    | N/A                     | 40 CFR Part 60, Subpart Kb          | Storage capacity is <19,800 gallons.                                                                                               |
| A20MDV1730                    | N/A                     | 40 CFR Part 63, Subpart G           | Does not meet the definition of a storage vessel and does not handle affected liquid streams.                                      |
| A20MDV2000                    | N/A                     | 30 TAC Chapter 115, Storage of VOCs | A storage tank with storage capacity less than 1,000 gallons.                                                                      |
| A20MDV2000                    | N/A                     | 40 CFR Part 60, Subpart Kb          | Storage capacity is <19,800 gallons.                                                                                               |

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

| Unit / Group / Process ID No. | Group / Inclusive Units | Regulation                 | Basis of Determination                                                                        |
|-------------------------------|-------------------------|----------------------------|-----------------------------------------------------------------------------------------------|
| A20MDV2000                    | N/A                     | 40 CFR Part 63, Subpart G  | Does not meet the definition of a storage vessel and does not handle affected liquid streams. |
| A20MDV2520                    | N/A                     | 40 CFR Part 60, Subpart Kb | Storage capacity is <19,800 gallons.                                                          |
| A20MDV800                     | N/A                     | 40 CFR Part 63, Subpart G  | Does not meet definition of process vent because it does not contain OHAP.                    |

**New Source Review Authorization References**

|                                                                          |           |
|--------------------------------------------------------------------------|-----------|
| <b>New Source Review Authorization References .....</b>                  | <b>56</b> |
| <b>New Source Review Authorization References by Emission Unit .....</b> | <b>57</b> |

### 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.

| 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.: 153832                                                                                                                                      | Issuance Date: 03/24/2025    |
| Permits By Rule (30 TAC Chapter 106) for the Application Area                                                                                                  |                              |
| Number: 106.124                                                                                                                                                | Version No./Date: 09/04/2000 |
| Number: 106.261                                                                                                                                                | Version No./Date: 11/01/2003 |
| Number: 106.262                                                                                                                                                | Version No./Date: 11/01/2003 |
| Number: 106.263                                                                                                                                                | Version No./Date: 11/01/2001 |
| Number: 106.472                                                                                                                                                | Version No./Date: 09/04/2000 |

### 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** |
|---------------------------|---------------------------------------|-----------------------------------|
| A20MD1215                 | D1215 PROCESS VENTS                   | 153832                            |
| A20MD143L                 | 143L REACTOR (R-1120) VENTS           | 153832                            |
| A20MD2500                 | R-2500 REACTOR VENTS                  | 153832                            |
| A20MD2550                 | STORAGE TANK                          | 153832                            |
| A20MDCT1700               | CT1700 COOLING TOWER                  | 153832                            |
| A20MDD1015                | VACUUM SYSTEM SEPARATION KNOCKOUT POT | 153832                            |
| A20MDD1100                | TEP TANK                              | 153832                            |
| A20MDD1200A               | D-1200A SURGE CONTROL VESSEL          | 153832                            |
| A20MDD1200B               | D-1200B SURGE CONTROL VESSEL          | 153832                            |
| A20MDD1205                | D-1205 STORAGE TANK                   | 153832                            |
| A20MDD1210                | TPP DOSING DRUM                       | 153832                            |
| A20MDD1215                | D-1215 STORAGE TANK                   | 153832                            |
| A20MDD1220                | TNPP DOSING DRUM                      | 153832                            |
| A20MDD1800                | D-1800 POTABLE WATER STORAGE          | 153832                            |
| A20MDD2510                | PREPOLYMER MIX TANK VENT              | 153832                            |
| A20MDD60                  | TPP DOSING DRUM                       | 153832                            |
| A20MDD65                  | 2E2O DOSING DRUM                      | 153832                            |
| A20MDD70                  | TEP DOSING DRUM                       | 153832                            |
| A20MDE1015                | HEAT EXCHANGE SYSTEM E-1015           | 153832                            |
| A20MDE1325                | HEAT EXCHANGE SYSTEM E-1325           | 153832                            |
| A20MDE1600                | HEAT EXCHANGE SYSTEM E-1600           | 153832                            |

### 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**                                        |
|---------------------------|---------------------------------|--------------------------------------------------------------------------|
| A20MDE1805                | HEAT EXCHANGE SYSTEM E-1805     | 153832                                                                   |
| A20MDFU1                  | AREA FUGITIVES                  | 153832, 106.261/11/01/2003 [177513, 178317], 106.262/11/01/2003 [177513] |
| A20MDLR1                  | A-2000 MCB LOADING AREA         | 153832                                                                   |
| A20MDLRPL                 | SPOT #1 & #2 TRUCK LOADING RACK | 153832                                                                   |
| A20MDR1130A/B             | FINISHING REACTOR 143L          | 153832                                                                   |
| A20MDST12A                | PURE MDI ANTI-OXIDANT SHOT POT  | 153832, 106.124/09/04/2000                                               |
| A20MDST12B                | PURE MDI ANTI-OXIDANT SHOT POT  | 153832, 106.124/09/04/2000                                               |
| A20MDST1600               | DOWTHERM Q STORAGE TANK         | 153832                                                                   |
| A20MDT1140                | 143L PRODUCT STORAGE TANK       | 153832                                                                   |
| A20MDT920                 | T-920 DISTILLATION TOWER        | 153832                                                                   |
| A20MDUL1A                 | A-2000 MCB UNLOADING AREA       | 153832                                                                   |
| A20MDUL1B                 | UNLOADING RACK                  | 153832, 106.472/09/04/2000                                               |
| A20MDV1235A               | MDI PRODUCT STORAGE TANK        | 153832                                                                   |
| A20MDV1235B               | MDI PRODUCT STORAGE TANK        | 153832                                                                   |
| A20MDV1300                | VESSELS VENT TO VENT BUBBLER    | 153832                                                                   |
| A20MDV1305                | V-1305 STORAGE TANK             | 153832                                                                   |
| A20MDV1310                | V-1310 STORAGE TANK             | 153832                                                                   |
| A20MDV1720                | V-1720 CT CHEMICAL STORAGE      | 153832                                                                   |
| A20MDV1725                | V-1725 CT CHEMICAL STORAGE      | 153832                                                                   |
| A20MDV1730                | V-1730 CT CHEMICAL STORAGE      | 153832                                                                   |

### 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** |
|---------------------------|--------------------------------|-----------------------------------|
| A20MDV2000                | CONDENSATE STORAGE TANK        | 153832                            |
| A20MDV2520                | FEED TANK                      | 153832                            |
| A20MDV800                 | MDI/PMDI FEEDSTOCK             | 153832, 106.472/09/04/2000        |

\*\*This column may include Permit by Rule (PBR) numbers and version dates, PBR Registration numbers in brackets, Standard Permit Registration numbers, Minor NSR permit numbers, and Major NSR permit numbers.

**Appendix A**

**Acronym List ..... 61**

## 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                                                            |
| CEMS             | continuous emissions monitoring system                                    |
| CFR              | Code of Federal Regulations                                               |
| COMS             | continuous opacity monitoring system                                      |
| CVS              | closed vent system                                                        |
| D/FW             | Dallas/Fort Worth (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                                                  |
| gr/100 scf       | grains per 100 standard cubic feet                                        |
| HAP              | hazardous air pollutant                                                   |
| H/G/B            | Houston/Galveston/Brazoria (nonattainment area)                           |
| H <sub>2</sub> S | hydrogen sulfide                                                          |
| ID No.           | identification number                                                     |
| lb/hr            | pound(s) per hour                                                         |
| MACT             | Maximum Achievable Control Technology (40 CFR Part 63)                    |
| MMBtu/hr         | Million British thermal units per hour                                    |
| NA               | nonattainment                                                             |
| N/A              | not applicable                                                            |
| NADB             | National Allowance Data Base                                              |
| NESHAP           | National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61) |
| NO <sub>x</sub>  | 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                                                            |
| PEMS             | predictive emissions monitoring system                                    |
| PM               | particulate matter                                                        |
| ppmv             | parts per million by volume                                               |
| PRO              | process unit                                                              |
| PSD              | prevention of significant deterioration                                   |
| psia             | pounds per square inch absolute                                           |
| RO               | Responsible Official                                                      |
| SIP              | state implementation plan                                                 |
| SO <sub>2</sub>  | sulfur dioxide                                                            |
| TCEQ             | Texas Commission on Environmental Quality                                 |
| TSP              | total suspended particulate                                               |
| TVP              | true vapor pressure                                                       |
| U.S.C.           | United States Code                                                        |
| VOC              | volatile organic compound                                                 |