**NEW MEXICO AIR QUALITY BUREAU**

**NSR & TV: TANKS & LOADING MONITORING PROTOCOL -**

**PERMIT TEMPLATE LANGUAGE**

**Version: November 13, 2012**

[NOTE: Each permit writer shall review and adjust the requirements below according to the specific facility circumstances. Frequently for VOC emissions, hourly limits may not be appropriate. If this is the case, permit writers should indicate this in the emission limit table and clarify with a footnote such as “ \* indicates hourly emission limits are not appropriate for this operating situation.” Unless there are extenuating circumstances monitoring shall not be created for units that do not have emission limits.]

## Tanks

1. Tank Throughput and Separator Pressure (Unit(s) X, Y, and Z) [with flash emissions]

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| **Requirement:** To demonstrate compliance with the allowable limits in Table 106.A, the monthly rolling 12-month total condensate throughput to the unit(s) shall not exceed XX gallons per year (XX barrels/year) and the monthly rolling 12-month average separator pressure shall not exceed XX psia. |
| **Monitoring:** The permittee shall monitor the monthly total throughput and the upstream separator pressure once per month. |
| **Recordkeeping:** The permittee shall record:  1) the monthly total throughput of liquids and,  2) the monthly separator pressure.  Each month the permittee shall use these values to calculate and record:  3) during the first 12 months of monitoring, the cumulative total liquid throughput and after the first 12 months of monitoring, the monthly rolling 12-month total liquid throughput and,  4) during the first 12 months of monitoring, the cumulative average separator pressure, and after the first 12 months of monitoring, the monthly rolling 12-month average separator pressure.  Tank breathing and working emissions were calculated using the USEPA Tanks program Version 4.0.9.d [or more current] and tank flashing emissions using [IDENTIFY THE METHOD, i.e. HYSYS® (version unknown), E&P Tanks]. Emission rates computed using the same parameters, but with a different Department approved algorithm that exceed these values will not be deemed non-compliance with this permit.  Records shall be maintained in accordance with Section B109. |
| **Reporting:** The permittee shall report in accordance with Section B110. |

1. Tank Throughput (Unit(s) X, Y, and Z) [without flash emissions]

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| **Requirement:** To demonstrate compliance with the allowable limits in Table 106.A, the monthly rolling 12-month total condensate throughput to the unit(s) shall not exceed XX gallons per year (XX barrels/year) |
| **Monitoring:** The permittee shall monitor the monthly total throughput once per month. |
| **Recordkeeping:** The permittee shall record the monthly total throughput of liquids. Each month, during the first 12 months of monitoring, the permittee shall record the cumulative total liquid throughput and after the first 12 months of monitoring, the permittee shall calculate and record a monthly rolling 12-month total liquid throughput.  Tank breathing and working emissions were calculated using the USEPA Tanks program Version 4.0.9.d [or more current]. Emission rates computed using the same parameters, but with a different Department approved algorithm that exceed these values will not be deemed non-compliance with this permit.  Records shall also be maintained in accordance with Section B109. |
| **Reporting:** The permittee shall report in accordance with Section B110. |

1. Truck Loading - Condensate Loadout (Unit(s) X, Y, and Z)

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| **Requirement:** To demonstrate compliance with the allowable limits in Table 106.A, the total annual condensate loadout volume shall not exceed XX gallons per year.  (NSR Permit Condition) |
| **Monitoring:** The permittee shall monitor the condensate truck loadout volume on a monthly basis. |
| **Recordkeeping:** The permittee shall record the monthly condensate truck loadout volume. Each month during the first 12 months of monitoring the permittee shall record the cumulative condensate loadout volume and after the first 12 months of monitoring, the permittee shall calculate and record a monthly rolling 12-month total loadout volume.  Records shall also be maintained in accordance with Section B109. |
| **Reporting:** The permittee shall report in accordance with Section B110. |

1. Mist Eliminator (Unit(s) X, Y, and Z)

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| **Requirement:** To demonstrate compliance with the allowable limits in Table 106.A, the total annual condensate throughput shall not exceed XX gallons per year. |
| **Monitoring:** The permittee shall monitor the monthly total throughput for the mist eliminator once per month. |
| **Recordkeeping:** The permittee shall record the monthly total throughput of liquids. Each month during the first 12 months of monitoring the permittee shall record the cumulative total throughput of liquids and after the first 12 months of monitoring, the permtitee shall calculate and record a monthly rolling 12-month total throughput of liquids.  Tank breathing and working emissions were calculated using the USEPA Tanks program Version 4.0.9.d [or more current] and flashing emissions using Vasquez Beggs. Emission rates computed using the same parameters, but with a different Department approved algorithm that exceed these values will not be deemed non-compliance with this permit.  Records shall also be maintained in accordance with Section B109. |
| **Reporting:** The permittee shall report in accordance with Section B110. |

1. 20.2.38 NMAC, Hydrocarbon Storage Facilities (Unit(s) X, Y, and Z)

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| **Requirement:** The permittee shall comply with 20.2.38 [109, 110, 111, 112, or 113] NMAC. See regulation [HYDROCARBON STORAGE FACILITIES](http://www.nmcpr.state.nm.us/nmac/parts/title20/20.002.0038.htm).  The permittee shall install [describe control device] to minimize hydrocarbon and hydrogen sulfide loss to the atmosphere and shall not operate the tank without the control device. |
| **Monitoring:** The permittee shall monitor the tank(s) operation. |
| **Recordkeeping:** The permittee shall record [describe record]. |
| **Reporting:** The permittee shall report in accordance with Section B110. |

1. 40 CFR 60, Subpart K (Unit(s) X, Y, and Z)

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| **Requirement:** The unit(s) is subject to 40 CFR 60, Subpart K and the permittee shall comply with the VOC standard as specified by 40 CFR 60.112. |
| **Monitoring:** The permittee shall comply with monitoring requirements of 40 CFR 60.113. |
| **Recordkeeping:** The permittee shall maintain records as required by 40 CFR 60.7(f) of monitoring specified by 40 CFR 60.113. |
| **Reporting:** The permittee shall report in accordance with Section B110. |

1. 40 CFR 60, Subpart Ka (Unit(s) X, Y, and Z)

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| **Requirement:** The unit(s) is subject to 40 CFR 60, Supbart Ka and the permittee shall comply with the VOC standard as specified by 40 CFR 60.112a. |
| **Monitoring:** The permittee shall comply with the testing requirements of 40 CFR 60.113a and the monitoring requirements of 40 CFR 60.115a. |
| **Recordkeeping:** The permittee shall maintain records as specified by 40 CFR 60.115a, 60.113a(D), and 60.7(f). |
| **Reporting:** The permittee shall comply with reporting requirements of 40 CFR 60.113a(E). |

1. 40 CFR 60, Subpart Kb (Unit(s) X, Y, and Z)

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| **Requirement:** The unit(s) is subject to 40 CFR 60, Subpart Kb and the permittee shall comply with the VOC standard as specified by 40 CFR 60.112b. |
| **Monitoring:** The permittee shall comply with the testing requirements of 40 CFR 60.113b and the monitoring requirements of 40 CFR 60.116b. |
| **Recordkeeping:** The permittee shall maintain records as specified by 40 CFR 60.115b and 60.116b. |
| **Reporting:** The permittee shall comply with reporting requirements of 40 CFR 60.115b. |

1. XXX40 CFR 63, Subpart CCCCCC, Gasoline Dispensing Facilities (Unit GDF)

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| **Requirement:** Each GDF that is located at an area source. The affected source includes each gasoline cargo tank during the delivery of product to a GDF and also includes each storage tank. The GDFs are subject to 40 CFR 63, Subparts A and CCCCCC and since the GDF has a monthly throughput of 13,969 which is **greater than 10,000 gallons** of gasoline, the permittee must comply with the requirements in §63.11117. |
| **Monitoring:** The permittee shall comply with all applicable monitoring requirements in 40 CFR 63, Subpart A and Subpart CCCCCC, including but not limited to 63.11117. |
| **Recordkeeping:** The permittee shall comply with all applicable recordkeeping requirements in 40 CFR 63, Subpart A and Subpart CCCCCC, including but not limited to 63.11124. |
| **Reporting:** The permittee shall comply with all applicable reporting and notification requirements in 40 CFR 63, Subpart A and Subpart CCCCCC, including but not limited to 63.11124. |

1. Tank Vapor Recovery Unit (VRU) Control Device Inspection (Units **X, Y, Z and W**)

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| **Requirement:** The vapor recovery unit shall at all times be operated as a closed loop system that captures and routes VOCs from tanks **X, Y, Z and W** back to the process stream and does not vent to the atmosphere. |
| **Monitoring:** At least once per month, the permittee shall inspect the vapor recovery unit for defects that could result in air emissions. Defects include, but are not limited to, visible cracks, holes, or gaps; broken, cracked, or otherwise damaged seals or gaskets on closure devices; and broken or missing hatches, access covers, caps, or other closure devices. In the event that a leak or defect is detected, the permittee shall repair the leak or defect as soon as practicable and in a manner that minimizes VOC and HAPs emissions to the atmosphere. |
| **Recordkeeping:** The permittee shall record the results of the vapor recovery unit inspections chronologically, noting any maintenance or repairs that are required. |
| **Reporting:** The permittee shall report in accordance with Section B110. |