FINAL EQUIPMENT LIST FOR SULFUR DIOXIDE (2006)

| Emission Point No. | Emission Point Name |
|--------------------|--|
| 211 | Unit 2.2 UDS Charga Utr |
| 2H1 2H2 | Unit 2-2 HDS Charge Htr NGL Deoiler Furnace |
| | Unit 4 Feed Heater |
| 4H1 4H2 | |
| 5H1 | Unit 4 Dehydrator Heater Unit 5-A Feed Heater |
| 6H3 | BHU Reduction Furnace |
| 6H1 | Unit 6 Hydro Preheater |
| 6H2 | Unit 6 Stripper Reboiler |
| 6H4 | Unit 6 Dryer Regen Gas Heater |
| 6H5 | HPU Charge Furnace |
| 7H1-4 | Unit 7 Charge Furnace |
| 7H1-4 7H1-4 | Unit 7 No. 1 Reheater |
| 7H1-4 7H1-4 | Unit 7 No. 2 Reheater |
| 7H1-4 7H1-4 | Unit 7 No. 3 Reheater |
| 9H1 | Crude Oil Heater |
| 10H1 | Crude Oil Heater |
| 11H1 | Ethane Unit Superheater |
| 12H1 | Mol Sieve Regen Gas Heater |
| 19H3 | 19.1 Naphtha HDS Chg Htr |
| 19H5 | 19.1 No. 1 Reboiler |
| 19H5 | 19.1 No. 2 Reboiler |
| 19B1/19H1 | 19.2 Charge Furnace |
| 19H6 | 19.2 Platformer Reheater No. 1 |
| 19B1/19H2 | 19.2 No. 2 Reheater |
| 19B1/19H2 | 19.2 No. 3 Reheater |
| 19B2/19H4 | 19.3 Charge Furnace |
| 19B2/19H4 | 19.3 Frac Feed Furnace |
| 22H1 | Alky Reboiler Furnace |
| 26H1 | Unit 26 DeC4 Reboiler |
| 28H1 | Unit 28 Charge Heater |
| 29H4 | Unit 29 DeC4 Reboiler |
| 36H1 | HDS Unit Charge Heater |
| 40H1 | Unit 40 Superheater No. 1 |
| 40H2 | Unit 40 Superheater No. 2 |
| 41H1 (PSD) | Unit 41 Reformer Furnace |
| 42H1 (PSD) | Unit 42 Reactor Chg Htr |
| 42H2 (PSD) | Unit 42 Reactor Chg Htr |
| 42H3 (PSD) | Unit 42 Fract Feed Heater |

| Emission Point No. | Emission Point Name |
|--------------------|----------------------------------|
| 81B17 | Refinery Boiler 2.4 |
| 81B18 | Refinery Boiler 2.2 |
| 7E1 | Unit 7 Plat Engine No. 1 |
| 7E2 | Unit 7 Plat Engine No. 2 |
| 7E3 | Unit 7 Plat Engine No. 3 |
| 7E4 | Unit 7 Plat Engine No. 4 |
| 7E5 | Unit 7 Plat Engine No. 5 |
| 7E6 | Unit 7 Plat Engine No. 6 |
| 12E1 | Engine |
| 12E2 | Engine |
| 12E3 | Engine |
| 12E4 | Engine |
| 12E5 | Engine |
| 12E6 | Engine |
| 12E7 | Engine |
| 55E1 | Engine |
| 55E2 | Engine |
| 55E3 | Engine |
| 93E1 | Engine No. 37 |
| 93E2 | Engine No. 38 |
| 93E3 | Engine No. 39 |
| 93E4 | Engine No. 40 |
| 85B1 (PSD) | Cat Cracker Regenerator |
| | (Unit 29 CO Boiler Stack) |
| 85B2 (PSD) | Cat Cracker Regenerator |
| | (Unit 40 CO Boiler Stack) |
| 34I1 | SRU Incinerator |
| 43I1 (PSD) | SCOT Unit Incinerator |
| 66FL1 | Refinery East HC Flare |
| 66FL2 | Refinery West HC Flare |
| 66FL3 | Refinery Cat Flare |
| 66FL4 | NGL Non-Corrosive Flare |
| 66FL5 | NGL Corrosive Flare |
| 66FL6 | H ₂ S Emergency Flare |
| 66FL8 | 100M Sour Brine Flare Pit |
| 66FL9 | 55M Swt Brine Flare Pit |
| 66FL10 | 100M Swt Brine Flare Pit |
| 66FL11 | 30M Swt Brine Flare Pit |
| 66FL12 | ARDS HC Flare |

Final Equipment List for Sulfur Dioxide (2006) Permit Numbers 9868A and PSD-TX-102M4 Page 3

| Emission Point No. | Emission Point Name |
|--------------------|-----------------------------|
| | |
| 66FL13 | ARDS Emergency Sulfur Flare |
| 53FL1 | Thermal Oxidation Unit |



FINAL EQUIPMENT LIST FOR NITROGEN OXIDE (2006)

| 2H1 2H2 NGL Deoiler Furnace 4H1 Unit 4 Feed Heater 4H2 Unit 4 Dehydrator Heater 5H1 Unit 5-A Feed Heater 6H3 BHU Reduction Furnace 6H1 Unit 6 Hydro Preheater 6H2 Unit 6 Stripper Reboiler Unit 6 Dryer Regen Gas Heater | Emission Point No. | Emission Point Name |
|---|--------------------|--|
| 2H2 NGL Deoiler Furnace 4H1 Unit 4 Feed Heater 4H2 Unit 4 Dehydrator Heater 5H1 Unit 5-A Feed Heater 6H3 BHU Reduction Furnace 6H1 Unit 6 Hydro Preheater 6H2 Unit 6 Stripper Reboiler 6H4 Unit 6 Dryer Regen Gas Heater | 0114 | Heir C.O. LIDO, Observe Live |
| 4H1 4H2 5H1 6H3 6H1 6H2 6H4 Unit 4 Feed Heater Unit 5-A Feed Heater BHU Reduction Furnace Unit 6 Hydro Preheater Unit 6 Stripper Reboiler Unit 6 Dryer Regen Gas Heater | | —————————————————————————————————————— |
| 4H2 5H1 6H3 6H1 6H2 6H4 Unit 4 Dehydrator Heater BHU Reduction Furnace Unit 6 Hydro Preheater Unit 6 Stripper Reboiler Unit 6 Dryer Regen Gas Heater | | |
| 5H1 Unit 5-A Feed Heater 6H3 BHU Reduction Furnace 6H1 Unit 6 Hydro Preheater 6H2 Unit 6 Stripper Reboiler 6H4 Unit 6 Dryer Regen Gas Heater | | |
| 6H3 BHU Reduction Furnace 6H1 Unit 6 Hydro Preheater 6H2 Unit 6 Stripper Reboiler 6H4 Unit 6 Dryer Regen Gas Heater | | • |
| 6H1 Unit 6 Hydro Preheater 6H2 Unit 6 Stripper Reboiler 6H4 Unit 6 Dryer Regen Gas Heater | | |
| 6H2 Unit 6 Stripper Reboiler 6H4 Unit 6 Dryer Regen Gas Heater | | |
| 6H4 Unit 6 Dryer Regen Gas Heater | | • |
| | _ | |
| | | |
| 6H5 HPU Charge Furnace | | <u> </u> |
| 7H1-4 Unit 7 Charge Furnace | | • |
| 7H1-4 Unit 7 No. 1 Reheater | | |
| 7H1-4 Unit 7 No. 2 Reheater | | |
| 7H1-4 Unit 7 No. 3 Reheater | | |
| 9H1 Crude Oil Heater | | |
| 10H1 Crude Oil Heater | | |
| 11H1 Ethane Unit Superheater | | • |
| 12H1 Mol Sieve Regen Gas Heater | | <u> </u> |
| 19H3 19.1 Naphtha HDS Chg Htr | | |
| 19H5 19.1 No. 1 Reboiler | 19H5 | |
| 19H5 19.1 No. 2 Reboiler | | |
| 19B1/19H1 19.2 Charge Furnace | 19B1/19H1 | 19.2 Charge Furnace |
| 19H6 19.2 Platformer Reheater No. 1 | 19H6 | |
| 19B1/19H2 19.2 No. 2 Reheater | 19B1/19H2 | 19.2 No. 2 Reheater |
| 19B1/19H2 19.2 No. 3 Reheater | 19B1/19H2 | 19.2 No. 3 Reheater |
| 19B2/19H4 19.3 Charge Furnace | 19B2/19H4 | 19.3 Charge Furnace |
| 19B2/19H4 19.3 Frac Feed Furnace | 19B2/19H4 | |
| 22H1 Alky Reboiler Furnace | 22H1 | • |
| 26H1 Unit 26 DeC4 Reboiler | 26H1 | Unit 26 DeC4 Reboiler |
| 28H1 Unit 28 Charge Heater | 28H1 | Unit 28 Charge Heater |
| 29H4 Unit 29 DeC4 Reboiler | 29H4 | Unit 29 DeC4 Reboiler |
| 36H1 HDS Unit Charge Heater | 36H1 | HDS Unit Charge Heater |
| 40H1 Unit 40 Superheater No. 1 | 40H1 | Unit 40 Superheater No. 1 |
| 40H2 Unit 40 Superheater No. 2 | 40H2 | Unit 40 Superheater No. 2 |
| 41H1 (PSD) Unit 41 Reformer Furnace | 41H1 (PSD) | Unit 41 Reformer Furnace |
| 42H1 (PSD) Unit 42 Reactor Chg Htr | 42H1 (PSD) | Unit 42 Reactor Chg Htr |
| 42H2 (PSD) Unit 42 Reactor Chg Htr | 42H2 (PSD) | Unit 42 Reactor Chg Htr |
| 42H3 (PSD) Unit 42 Fract Feed Heater | 42H3 (PSD) | Unit 42 Fract Feed Heater |

Final Equipment List for Nitrogen Oxide (2006) Permit Numbers 9868A and PSD-TX-102M4 Page 2

| Emission Point No. | Emission Point Name |
|--|---|
| 81B17 81B18 7E1 7E2 7E3 7E4 7E5 7E6 12E1 12E2 12E3 12E4 12E5 12E6 12E7 55E1 55E2 55E3 93E1 93E2 93E3 | Refinery Boiler 2.4 Refinery Boiler 2.2 Unit 7 Plat Engine No. 1 Unit 7 Plat Engine No. 2 Unit 7 Plat Engine No. 3 Unit 7 Plat Engine No. 4 Unit 7 Plat Engine No. 5 Unit 7 Plat Engine No. 6 Engine No. 37 |
| 93E4 85B1 (PSD) | Engine No. 40 Cat Cracker Regenerator |
| 85B2 (PSD) | (Unit 29 CO Boiler Stack) Cat Cracker Regenerator (Unit 40 CO Boiler Stack) |
| 34I1 43I1 (PSD) 66FL1 66FL2 66FL3 66FL4 66FL5 66FL6 66FL8 66FL9 66FL10 66FL11 66FL12 | SRU Incinerator SCOT Unit Incinerator Refinery East HC Flare Refinery West HC Flare Refinery Cat Flare NGL Non-Corrosive Flare NGL Corrosive Flare H ₂ S Emergency Flare 100M Sour Brine Flare Pit 55M Swt Brine Flare Pit 30M Swt Brine Flare Pit ARDS HC Flare ARDS Emergency Sulfur Flare |

Final Equipment List for Nitrogen Oxide (2006) Permit Numbers 9868A and PSD-TX-102M4 Page 3

<u>Emission Point No.</u> <u>Emission Point Name</u>

53FL1 Thermal Oxidation Unit

Dated_____

FINAL EQUIPMENT LIST FOR PARTICULATE MATTER (2006)

| Emission Point No. | Emission Point Name |
|--------------------|--|
| 2H1 | Unit 2 2 UDS Chargo Utr |
| 2H2 | Unit 2-2 HDS Charge Htr NGL Deoiler Furnace |
| 4H1 | Unit 4 Feed Heater |
| 4H2 | |
| 5H1 | Unit 4 Dehydrator Heater Unit 5-A Feed Heater |
| 6H3 | BHU Reduction Furnace |
| 6H1 | |
| 6H2 | Unit 6 Stripper Debeiler |
| | Unit 6 Dryor Regen Cas Heater |
| 6H4 | Unit 6 Dryer Regen Gas Heater |
| 6H5 | HPU Charge Furnace |
| 7E1 | Unit 7 Plat Engine No. 1 |
| 7E2 | Unit 7 Plat Engine No. 2 |
| 7E3 | Unit 7 Plat Engine No. 3 |
| 7E4 | Unit 7 Plat Engine No. 4 |
| 7E5 | Unit 7 Plat Engine No. 5 |
| 7E6 | Unit 7 Plat Engine No. 6 |
| 7H1-4 | Unit 7 Charge Furnace |
| 7H1-4 | Unit 7 No. 1 Reheater |
| 7H1-4 | Unit 7 No. 2 Reheater |
| 7H1-4 | Unit 7 No. 3 Reheater |
| 9H1 | Crude Oil Heater |
| 10H1 | Crude Oil Heater |
| 11H1 | Ethane Unit Superheater |
| 12E1 | Engine No. 41 |
| 12E2 | Engine No. 42 |
| 12E3 | Engine No. 43 |
| 12E4 | Engine No. 44 |
| 12E5 | Engine No. 45 |
| 12E6 | Engine No. 46 |
| 12E7 | Engine No. 47 |
| 12H1 | Mol Sieve Regen Gas Heater |
| 19H3 | 19.1 Naphtha HDS Chg Htr |
| 19H5 | 19.1 No. 1 Reboiler |
| 19H5 | 19.1 No. 2 Reboiler |
| 19B1/19H1 | 19.2 Charge Furnace |
| 19H6 | 19.2 Platformer Reheater No. 1 |
| 19B1/19H2 | 19.2 No. 2 Reheater |
| 19B1/19H2 | 19.2 No. 3 Reheater |

Final Equipment List for Particulate Matter (2006) Permit Numbers 9868A and PSD-TX-102M4 Page 2

| Emission Point No. | Emission Point Name |
|--|--|
| 19B2/19H4 19B2/19H4 22H1 26H1 28H1 29H4 36H1 40H1 40H2 41H1 (PSD) 42H1 (PSD) | 19.3 Charge Furnace 19.3 Frac Feed Furnace Alky Reboiler Furnace Unit 26 DeC4 Reboiler Unit 28 Charge Heater Unit 29 DeC4 Reboiler HDS Unit Charge Heater Unit 40 Superheater No. 1 Unit 40 Superheater No. 2 Unit 41 Reformer Furnace Unit 42 Reactor Chg Htr Unit 42 Reactor Chg Htr |
| 42H3 (PSD) | Unit 42 Fract Feed Heater |
| 81B17 81B18 53R4 55E1 55E2 55E3 85B1 (PSD) | Refinery Boiler 2.4 Refinery Boiler 2.2 NGL Tank Car Track 5 Engine No. 1 (East) Engine No. 2 (mid) Engine No. 3 (West) Cat Cracker Regenerator |
| , , | (Unit 29 CO Boiler Stack) |
| 85B2 (PSD) | Cat Cracker Regenerator (Unit 40 CO Boiler Stack) |
| 93E1 93E2 93E3 93E4 34I1 43I1 (PSD) | Engine No. 37 Engine No. 38 Engine No. 39 Engine No. 40 SRU Incinerator SCOT Unit Incinerator |

Dated____

FINAL EQUIPMENT LIST FOR CARBON MONOXIDE (2006)

| Emission Point No. | Emission Point Name |
|--------------------|--|
| 2H1 | Unit 2 2 UDS Chargo Utr |
| 2H2 | Unit 2-2 HDS Charge Htr NGL Deoiler Furnace |
| 4H1 | Unit 4 Feed Heater |
| 4H2 | Unit 4 Dehydrator Heater |
| 5H1 | Unit 5-A Feed Heater |
| 6H3 | BHU Reduction Furnace |
| 6H1 | Unit 6 Hydro Preheater |
| 6H2 | Unit 6 Stripper Reboiler |
| 6H4 | Unit 6 Dryer Regen Gas Heater |
| 6H5 | HPU Charge Furnace |
| 7H1-4 | Unit 7 Charge Furnace |
| 7H1-4 7H1-4 | Unit 7 No. 1 Reheater |
| 7H1-4 | Unit 7 No. 2 Reheater |
| 7H1-4 | Unit 7 No. 3 Reheater |
| 9H1 | Crude Oil Heater |
| 10H1 | Crude Oil Heater |
| 11H1 | Ethane Unit Superheater |
| 12H1 | Mol Sieve Regen Gas Heater |
| 19H3 | 19.1 Naphtha HDS Chg Htr |
| 19H5 | 19.1 No. 1 Reboiler |
| 19H5 | 19.1 No. 2 Reboiler |
| 19B1/19H1 | 19.2 Charge Furnace |
| 19H6 | 19.2 Platformer Reheater No. 1 |
| 19B1/19H2 | 19.2 No. 2 Reheater |
| 19B1/19H2 | 19.2 No. 3 Reheater |
| 19B2/19H4 | 19.3 Charge Furnace |
| 19B2/19H4 | 19.3 Frac Feed Furnace |
| 22H1 | Alky Reboiler Furnace |
| 26H1 | Unit 26 DeC4 Reboiler |
| 28H1 | Unit 28 Charge Heater |
| 29H4 | Unit 29 DeC4 Reboiler |
| 36H1 | HDS Unit Charge Heater |
| 40H1 | Unit 40 Superheater No. 1 |
| 40H2 | Unit 40 Superheater No. 2 |
| 41H1 (PSD) | Unit 41 Reformer Furnace |
| 42H1 (PSD) | Unit 42 Reactor Chg Htr |
| 42H2 (PSD) | Unit 42 Reactor Chg Htr |
| 42H3 (PSD) | Unit 42 Fract Feed Heater |

| Emission Point No. | Emission Point Name |
|--|---|
| 81B17 81B18 7E1 7E2 7E3 7E4 7E5 7E6 12E1 12E2 12E3 12E4 12E5 12E6 12E7 55E1 55E2 55E3 93E1 93E2 93E3 | Refinery Boiler 2.4 Refinery Boiler 2.2 Unit 7 Plat Engine No. 1 Unit 7 Plat Engine No. 2 Unit 7 Plat Engine No. 3 Unit 7 Plat Engine No. 4 Unit 7 Plat Engine No. 5 Unit 7 Plat Engine No. 6 Engine No. 37 |
| 93E4 85B1 (PSD) | Engine No. 40 Cat Cracker Regenerator |
| 85B2 (PSD) | (Unit 29 CO Boiler Stack) Cat Cracker Regenerator (Unit 40 CO Boiler Stack) |
| 34I1 43I1 (PSD) 66FL1 66FL2 66FL3 66FL4 66FL5 66FL6 66FL8 66FL9 66FL10 66FL11 66FL12 | SRU Incinerator SCOT Unit Incinerator Refinery East HC Flare Refinery West HC Flare Refinery Cat Flare NGL Non-Corrosive Flare NGL Corrosive Flare H ₂ S Emergency Flare 100M Sour Brine Flare Pit 55M Swt Brine Flare Pit 100M Swt Brine Flare Pit 30M Swt Brine Flare Pit ARDS HC Flare ARDS Emergency Sulfur Flare |

Final Equipment List for Carbon Monoxide (2006) Permit Nos. 9868A and PSD-TX-102M4 Page 3

| Emission Point No. | Emission Point Name |
|--------------------|------------------------|
| | _ |
| 53FL1 | Thermal Oxidation Unit |

FINAL EQUIPMENT LIST FOR HYDROGEN SULFIDE (2006)

| Emission Point No. | Emission Point Name |
|---|--|
| Emission Point No. 53R4 34l1 43l1 66FL1 66FL2 66FL3 66FL4 66FL5 66FL6 66FL8 66FL9 66FL10 66FL11 66FL12 66FL13 F-1-6 F-2-1 F-5 F-7 F-9 F-10 F-11 F-12 F-19-1 F-23 F-26 F-28 F-29 F-32 F-34 F-35 F-36 F-40 | NGL Tank Car Track 5 SRU Incinerator SCOT Unit Incinerator Refinery East HC Flare Refinery West HC Flare Refinery Cat Flare NGL Non-Corrosive Flare NGL Corrosive Flare H ₂ S Emergency Flare 100M Sour Brine Flare Pit 55M Swt Brine Flare Pit 100M Swt Brine Flare Pit 30M Swt Brine Flare Pit 30M Swt Brine Flare Pit 4RDS HC Flare ARDS Emergency Sulfur Flare Unit 1.6 Fugitives (New EPN) Unit 2 Fugitives Pentane Isom Fugitives Platformer Unit 9 Fugitives Unit 10 Fugitives NGL Deethanizer Unit Fug Cryogenic Gas Plant Fug Naphtha HDS Fugitives St Run Fract Fugitives HO FCCU Fract Fugitives Unit 28 Fugitives Unit 29 Fugitives Unit 32 Fugitives Sulfur Recovery Unit Fug Unit 35 Fugitives Unit 36 Fugitives Heavy Oil FCCU Fugitives |
| F-40 F-41 | Heavy Oil FCCU Fugitives Fugitives |
| F-42 F-43 F-44 F-53-2 | ARDS Unit 42 Fugitives Sulfur Handling/Storage Fugitives NGL Loading Rack (New EPN) |
| 1 JU-2 | TVOL LOCALING TRACK (INEW LPIN) |

Final Equipment List for Hydrogen Sulfide (2006) Permit Numbers 9868A and PSD-TX-102M4 Page 2

| Emission Point No. | Emission Point Name |
|--------------------|-------------------------|
| | |
| F-56-1-4-A | Refy Oil/H20 Separators |
| F-56-1-4-B | API Trap Fugitives |
| F-56-2 | Dixon Creek WWTP |
| 0309 | Tank Storage |
| KG47 | Tank Storage |
| 3003 | Tank Storage |
| 5582 | Tank Storage |



FINAL EQUIPMENT LIST FOR HYDROGEN CHLORIDE (2006)

| Emission Point No. | Emission Point Name |
|--------------------|-----------------------|
| | |
| 66FL5 | NGL Corrosive Flare |
| F-4 | Butane Isom Fugitives |
| F-6 | Hexane Isom Fugitives |



FINAL EQUIPMENT LIST FOR VOLATILE ORGANIC COMPOUNDS (2006)

| Emission Point No. | Emission Point Name |
|--------------------|--------------------------------|
| 2H1 | Unit 2-2 HDS Charge Htr |
| 2H2 | NGL Deoiler Furnace |
| 4H1 | Unit 4 Feed Heater |
| 4H2 | Unit 4 Dehydrator Heater |
| 5H1 | Unit 5-A Feed Heater |
| 6H3 | BHU Reduction Furnace |
| 6H1 | Unit 6 Hydro Preheater |
| 6H2 | Unit 6 Stripper Reboiler |
| 6H4 | Unit 6 Dryer Regen Gas Heater |
| 6H5 | HPU Charge Furnace |
| 7H1-4 | Unit 7 Charge Furnace |
| 7H1-4 | Unit 7 No. 1 Reheater |
| 7H1-4 | Unit 7 No. 2 Reheater |
| 7H1-4 | Unit 7 No. 3 Reheater |
| 9H1 | Crude Oil Heater |
| 10H1 | Crude Oil Heater |
| 11H1 | Ethane Unit Superheater |
| 12H1 | Mol Sieve Regen Gas Heater |
| 19H3 | 19.1 Naphtha HDS Chg Htr |
| 19H5 | 19.1 No. 1 Reboiler |
| 19H5 | 19.1 No. 2 Reboiler |
| 19B1/19H1 | 19.2 Charge Furnace |
| 19H6 | 19.2 Platformer Reheater No. 1 |
| 19B1/19H2 | 19.2 No. 2 Reheater |
| 19B1/19H2 | 19.2 No. 3 Reheater |
| 19B2/19H4 | 19.3 Charge Furnace |
| 19B2/19H4 | 19.3 Frac Feed Furnace |
| 22H1 | Alky Reboiler Furnace |
| 26H1 | Unit 26 DeC4 Reboiler |
| 28H1 | Unit 28 Charge Heater |
| 29H4 | Unit 29 DeC4 Reboiler |
| 36H1 | HDS Unit Charge Heater |
| 40H1 | Unit 40 Superheater No. 1 |
| 40H2 | Unit 40 Superheater No. 2 |
| 41H1 (PSD) | Unit 41 Reformer Furnace |
| 42H1 (PSD) | Unit 42 Reactor Chg Htr |
| 42H2 (PSD) | Unit 42 Reactor Chg Htr |
| 42H3 (PSD) | Unit 42 Fract Feed Heater |

| Emission Point No. | Emission Point Name |
|--------------------|--|
| | |
| 81B17 81B18 | Refinery Boiler 2.4 Refinery Boiler 2.2 |
| 7E1 | Unit 7 Plat Engine No. 1 |
| 7E2 7E3 | Unit 7 Plat Engine No. 2 Unit 7 Plat Engine No. 3 |
| 7E4 | Unit 7 Plat Engine No. 4 |
| 7E5 | Unit 7 Plat Engine No. 5 |
| 7E6 | Unit 7 Plat Engine No. 6 |
| 12E1 | Engine |
| 12E2 | Engine |
| 12E3 | Engine |
| 12E4 | Engine |
| 12E5 | Engine |
| 12E6 | Engine |
| 12E7 55E1 | Engine |
| 55E2 | Engine Engine |
| 55E3 | Engine |
| 93E1 | Engine No. 37 |
| 93E2 | Engine No. 38 |
| 93E3 | Engine No. 39 |
| 93E4 | Engine No. 40 |
| 53R1 | Refinery Tank Car Loading |
| 53T1 | Refy Tank Truck Loading |
| 53R2 | NGL Tank Car Tracks 1 and 2 |
| 53R3 | NGL Tank Car Tracks 3 and 4 |
| 53R4 53T2 | NGL Tank Car Track 5 NGL Tank Truck Loading |
| 56-3 | ABS Stack |
| 56-4 | Truck Loading and Fugitives |
| 56V1 | Caustic Regeneration Vent |
| 85B1 (PSD) | Cat Cracker Regenerator (Unit 29 CO Boiler Stack) |
| 85B2 (PSD) | Cat Cracker Regenerator (Unit 40 CO Boiler Stack) |
| 3411 | SRU Incinerator |
| 4311 (PSD) | SCOT Unit Incinerator |
| 66FL1 | Refinery East HC Flare |
| 66FL2 | Refinery West HC Flare |

| Emission Point No. | Emission Point Name |
|---|--|
| 66FL3 66FL4 66FL5 66FL6 66FL8 66FL9 66FL10 66FL11 66FL12 66FL13 53FL1 F-1 F-1-6 F-1-7 F-2-1 F-2-5 F-4 F-5 F-6 | Refinery Cat Flare NGL Non-Corrosive Flare NGL Corrosive Flare H ₂ S Emergency Flare 100M Sour Brine Flare Pit 55M Swt Brine Flare Pit 100M Swt Brine Flare Pit 30M Swt Brine Flare Pit ARDS HC Flare ARDS Emergency Sulfur Flare Thermal Oxidation Unit Unit 1 Fugitives (New EPN) Unit 1.6 Fugitives (New EPN) Unit 2 Fugitives Process Fugitives Butane Isom Fugitives Hexane Isom Fugitives |
| F-7 F-9 F-10 | Platformer Unit 9 Fugitives Unit 10 Fugitives |
| F-11 F-12 F-13 F-19-1 | NGL Deethanizer Unit Fug Cryogenic Gas Plant Fug NGL Clean-Up Unit Fug Naphtha HDS Fugitives |
| F-19-2 F-19-3 F-22 F-23 F-26 | Reformer Fugitives Distillate HDS Fugitives HF Alkylation Fugitives St Run Fract Fugitives HO FCCU Fract Fugitives |
| F-28 F-29 F-32 F-35 F-36 F-40 F-41 F-42 F-43 | Unit 28 Fugitives Gas Oil FCCU 29 Fugitives Unit 32 Fugitives Unit 35 Fugitives Unit 36 Fugitives Heavy Oil FCCU Fugitives Fugitives ARDS Unit 42 Fugitives Sulfur Handling/Storage |

| Emission Point No. | Emission Point Name |
|---|--|
| Emission Point No. F-53-1 F-53-2 F-55 F-56-5 F-66-1 F-66-3 F-68-1a F-68-1e F-68-1r F-68-1r F-68-1s F-68-1t F-68-1s F-68-1t F-68-2s F-68-2s F-68-3 F-68-4t F-68-5 F-81 F-82 F-85-1 F-82 F-85-1 F-85-2 F-68-4a F-68-4b F-68-4c F-68-4c F-68-4d F-68-4c F-68-4d F-68-4c F-68-4d F-68-4c | Refinery Loading Fug (New) NGL Loading Rack (New EPN) Air Compressor Fugitives Unit 56 Fugitives (New) Ref. Flare Area Fug (New) ARDS/Cat Area Fugitives (New) ARDS Storage Fugitives (New) E. Refinery Storage Fug (New) N. Refinery Storage Fug (New) Rocky Station Fugitives (New) S. Refinery Storage Fug (New) Taubman Yard Fugitives (New) W. Refinery Storage Fug (New) N. Coble Storage Fug (New) N. Coble Storage Fug (New) S. Coble Storage Fug (New) Gasoline Blending System Refinery Boilers NGL Boilers Unit 29 COB Fug (New) Unit 40 COB Fug (New) Unit 40 COB Fug (New) 100M SWT Brine Pond 55M SWT Brine Pond 100M SWT Brine Pond 30M SWT Brine Pond 30M SWT Brine Pond 30M SWT Brine Pond 30M SWT Brine Pond Cooling Towers (Marley 1) Cooling Twr (Refy No. 9) Cooling Twr (Refy No. 9) Cooling Twr (NGL Mar No. 12) Cooling Twr (NGL Prt No. 14) |
| | , |
| F-54-C12 F-54-C13 F-54-C14 F-54-C15 F-54-C17 F-54-C18 | Cooling Twr (NGL Mar No. 12) Cooling Twr (NGL Prt No. 14) Cooling Twr (NGL Mar No. 15) Cooling Twr (NGL Prt No. 16) Cooling Twr (Refy No. 8) Cooling Twr (Refy No. 13) |

| Emission Point No. | Emission Point Name |
|--------------------|------------------------------|
| F-54-C2 | Cool Twr (NGL Ecodyne No. 9) |
| F-54-C20 | Cooling Twr (ARDS No. 17) |
| F-54-C3 | Cooling Twr (NGL SF No. 11) |
| F-54-C4 | Cooling Twr (NGL Mar No. 13) |
| F-54-C6 | Cooling Twr (NGL Mar No. 10) |
| F-54-C7 | Cooling Twr (Refy No. 2) |
| F-54-C8 | Cooling Twr (Refy No. 4) |
| F-54-C9 | Cooling Twr (Refy No. 7) |
| F-56-1-1 | NGL West Sump |
| F-56-1-3 | NGL North Sump |
| F-56-1-4-A | Refy Oil/H20 Separators |
| F-56-1-4-B | API Trap Fugitives |
| F-56-1-6 | Storm Water System |
| F-56-2 | Dixon Creek WWTP |
| F-56-1-5 | Hazardous Waste Impoundment |
| 0109 | Tank Storage |
| 0110 | Tank Storage |
| 0111 | Tank Storage |
| 0202 | Tank Storage |
| 0251 | Tank Storage |
| 0252 | Tank Storage |
| 0253 | Tank Storage |
| 0301 | Tank Storage |
| 0303 | Tank Storage |
| 0306 | Tank Storage |
| 0401 | Tank Storage |
| 0511 | Tank Storage |
| 0512 | Tank Storage |
| 0513 | Tank Storage |
| 0514 | Tank Storage |
| 0516 | Tank Storage |
| 0552 | Tank Storage |
| 0555 | Tank Storage |
| 0558 | Tank Storage |
| 0562 | Tank Storage |
| 0572 | Tank Storage |
| 0573 | Tank Storage |
| 1001 | Tank Storage |
| 1002 | Tank Storage |
| 1003 | Tank Storage |

| Emission Point No. | Emission Point Name |
|--------------------|---------------------|
| 1004 | Tank Storage |
| 1005 | Tank Storage |
| 1006 | Tank Storage |
| 1007 | Tank Storage |
| 1008 | Tank Storage |
| 1011 | Tank Storage |
| 1012 | Tank Storage |
| 1013 | Tank Storage |
| 1023 | Tank Storage |
| 1024 | Tank Storage |
| 1064 | Tank Storage |
| 1067 | Tank Storage |
| 1163 | Tank Storage |
| 1164 | Tank Storage |
| 1165 | Tank Storage |
| 1522 | Tank Storage |
| 2072 | Tank Storage |
| 2202 | Tank Storage |
| 2510 | Tank Storage |
| 2552 | Tank Storage |
| 2553 | Tank Storage |
| 2554 | Tank Storage |
| 2571 | Tank Storage |
| 2572 | Tank Storage |
| 2575 | Tank Storage |
| 2576 | Tank Storage |
| 2577 | Tank Storage |
| 2578 | Tank Storage |
| 2579 | Tank Storage |
| 2580 | Tank Storage |
| 2670 | Tank Storage |
| 2671 | Tank Storage |
| 2672 | Tank Storage |
| 2673 | Tank Storage |
| 2674 | Tank Storage |
| 2675 | Tank Storage |
| 2676 | Tank Storage |
| 2677 | Tank Storage |
| 2678 | Tank Storage |
| 3001 | Tank Storage |
| | |

| Emission Point No. | Emission Point Name |
|--------------------|---------------------|
| 3002 | Tank Storage |
| 3003 | Tank Storage |
| 4001 | Tank Storage |
| 4030 | Tank Storage |
| 5505 | Tank Storage |
| 5508 | Tank Storage |
| 5511 | Tank Storage |
| 5520 | Tank Storage |
| 5521 | Tank Storage |
| 5525 | Tank Storage |
| 5531 | Tank Storage |
| 5532 | Tank Storage |
| 5536 | Tank Storage |
| 5537 | Tank Storage |
| 5538 | Tank Storage |
| 5539 | Tank Storage |
| 5540 | Tank Storage |
| 5541 | Tank Storage |
| 5542 | Tank Storage |
| 5543 | Tank Storage |
| 5544 | Tank Storage |
| 5545 | Tank Storage |
| 5546 | Tank Storage |
| 5548 | Tank Storage |
| 5550 | Tank Storage |
| 5551 | Tank Storage |
| 5553 | Tank Storage |
| 5554 | Tank Storage |
| 5555 | Tank Storage |
| 5556 | Tank Storage |
| 5557 | Tank Storage |
| 5558 | Tank Storage |
| 5559 | Tank Storage |
| 5560 | Tank Storage |
| 5577 | Tank Storage |
| 5578 | Tank Storage |
| 5580 | Tank Storage |
| 5582 5582 | Tank Storage |
| 5583 5584 | Tank Storage |
| JJ04 | Tank Storage |

| Emission Point No. | Emission Point Name |
|--------------------|------------------------------|
| 5587 | Tank Storage |
| 5588 | Tank Storage |
| 5589 | Tank Storage |
| 5590 | Tank Storage |
| 5591 | Tank Storage |
| 5592 | Tank Storage |
| 5593 | Tank Storage |
| 5596 | Tank Storage |
| 5597 | Tank Storage |
| 5598 | Tank Storage |
| 5599 | Tank Storage |
| 8001 | Tank Storage |
| 8002 | Tank Storage |
| 8003 | Tank Storage |
| 8004 | Tank Storage |
| 8010 | Tank Storage |
| 8011 | Tank Storage |
| 8012 | Tank Storage |
| 8013 | Tank Storage |
| 8014 | Tank Storage |
| 8015 | Tank Storage |
| 8031 | Tank Storage |
| 8032 | Tank Storage |
| 8033 | Tank Storage |
| 8034 | Tank Storage |
| 9200 | Tank Storage |
| 9201 | Tank Storage |
| 9202 | Tank Storage |
| 9500 | Tank Storage |
| 9501 | Tank Storage |
| 9502 | Tank Storage |
| 9503 | Tank Storage |
| 9504 9700 | Tank Storage |
| 9700 9701 | Tank Storage Tank Storage |
| 9701 | • |
| 3102 | Tank Storage |

FINAL EQUIPMENT LIST FOR BENZENE (2006)

| Emission Point No. | Emission Point Name |
|--|--|
| Emission Point No. 53T1 53R2 53R3 53T2 F-1 F-2-1 F-2-5 F-5 F-6 F-7 F-9 F-10 F-11 F-12 F-13 F-19-1 F-19-2 F-23 F-26 F-28 F-29 F-32 F-40 F-42 F-56-1-1 F-56-1-3 F-56-1-4-A F-56-1-4-B F-56-1-6 F-56-2 | Refy Tank Truck Loading NGL Tank Car Tracks 1 and 2 NGL Tank Car Tracks 3 and 4 NGL Tank Truck Loading Unit 1 Fugitives (New EPN) Unit 2 Fugitives Process Fugitives Pentane Isom Fugitives Hexane Isom Fugitives Hexane Isom Fugitives Platformer Unit 9 Fugitives Unit 10 Fugitives NGL Deethanizer Unit Fug Cryogenic Gas Plant Fug NGL CLean-Up Unit Fug Naphtha HDS Fugitives Reformer Fugitives St Run Fract Fugitives HO FCCU Fract Fugitives Unit 28 Fugitives Unit 32 Fugitives Heavy Oil FCCU Pugitives Unit 32 Fugitives Heavy Oil FCCU Fugitives Unit 56 Fugitives (New) NGL West Sump NGL North Sump Refy Oil/H20 Separators API Trap Fugitives Storm Water System Dixon Creek WWTP |
| F-56-1-5 | Hazardous Waste Impoundment |
| 0111 0202 0251 0252 0253 0303 0306 | Tank Storage |
| | |

Final Equipment List for Benzene (2006) Permit Numbers 9868A and PSD-TX-102M4 Page 2

| Emission Point No. | Emission Point Name |
|--------------------|---------------------|
| 0401 | Tank Storage |
| 0511 | Tank Storage |
| 0512 | Tank Storage |
| 0513 | Tank Storage |
| 0514 | Tank Storage |
| 0572 | Tank Storage |
| 0573 | Tank Storage |
| 1001 | Tank Storage |
| 1002 | Tank Storage |
| 1003 | Tank Storage |
| 1005 | Tank Storage |
| 1006 | Tank Storage |
| 1007 | Tank Storage |
| 1011 | Tank Storage |
| 1012 | Tank Storage |
| 1013 | Tank Storage |
| 1164 | Tank Storage |
| 1165 | Tank Storage |
| 2072 | Tank Storage |
| 2510 | Tank Storage |
| 2552 | Tank Storage |
| 2553 | Tank Storage |
| 2575 | Tank Storage |
| 2576 | Tank Storage |
| 2577 | Tank Storage |
| 2579 | Tank Storage |
| 2580 | Tank Storage |
| 2673 | Tank Storage |
| 3003 | Tank Storage |
| 4030 | Tank Storage |
| 5505 | Tank Storage |
| 5521 | Tank Storage |
| 5532 | Tank Storage |
| 5550 | Tank Storage |
| 5551 | Tank Storage |
| 5553 | Tank Storage |
| 5554 | Tank Storage |
| 5555 | Tank Storage |
| 5556 | Tank Storage |
| 5557 | Tank Storage |

Final Equipment List for Benzene (2006) Permit Numbers 9868A and PSD-TX-102M4 Page 3

| Emission Point No. | Emission Point Name |
|--------------------|---------------------|
| | |
| 5558 | Tank Storage |
| 5559 | Tank Storage |
| 5577 | Tank Storage |
| 5578 | Tank Storage |
| 5580 | Tank Storage |
| 5583 | Tank Storage |
| 5584 | Tank Storage |
| 5597 | Tank Storage |
| 5599 | Tank Storage |
| 8001 | Tank Storage |
| 8002 | Tank Storage |
| 8031 | Tank Storage |
| 8032 | Tank Storage |
| 8034 | Tank Storage |
| 9500 | Tank Storage |
| 9501 | Tank Storage |
| 9502 | Tank Storage |
| 9503 | Tank Storage |

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FINAL EQUIPMENT LIST FOR CYCLOHEXANE (2006)

| Emission Point No. | Emission Point Name |
|--------------------|-----------------------------|
| 53T1 | Refy Tank Truck Loading |
| 53R2 | NGL Tank Car Tracks 1 and 2 |
| 53R3 | NGL Tank Car Tracks 3 and 4 |
| 53R4 | NGL Tank Car Track 5 |
| 53T2 | NGL Tank Truck Loading |
| F-1 | Unit 1 Fugitives (New EPN) |
| F-2-1 | Unit 2 Fugitives |
| F-2-5 | Process Fugitives |
| F-5 | Pentane Isom Fugitives |
| F-6 | Hexane Isom Fugitives |
| F-7 | Platformer |
| F-9 | Unit 9 Fugitives |
| F-10 | Unit 10 Fugitives |
| F-11 | NGL Deethanizer Unit Fug |
| F-12 | Cryogenic Gas Plant Fug |
| F-13 | NGL Clean-Up Unit Fug |
| F-19-1 | Naphtha HDS Fugitives |
| F-19-2 | Reformer Fugitives |
| F-23 | St Run Fract Fugitives |
| F-26 | HO FCCU Fract Fugitives |
| F-28 | Unit 28 Fugitives |
| F-29 | Gas Oil FCCU 29 Fugitives |
| F-32 | Unit 32 Fugitives |
| F-40 | Heavy Oil FCCU Fugitives |
| F-42 | ARDS Unit 42 Fugitives |
| F-56-1-1 | NGL West Sump |
| F-56-1-3 | NGL North Sump |
| F-56-1-4-A | Refy Oil/H20 Separators |
| F-56-1-4-B | API Trap Fugitives |
| F-56-1-6 | Storm Water System |
| F-56-2 | Dixon Creek WWTP |
| 0111 | Tank Storage |
| 0202 | Tank Storage |
| 0251 | Tank Storage |
| 0252 | Tank Storage |
| 0253 | Tank Storage |
| 0401 | Tank Storage |
| 0511 | Tank Storage |

Final Equipment List for Cyclohexane (2006) Permit Numbers 9868A and PSD-TX-102M4 Page 2

| Emission Point No. | Emission Point Name |
|--------------------|---------------------|
| 0512 | Tank Storage |
| 0513 | Tank Storage |
| 0572 | Tank Storage |
| 0573 | Tank Storage |
| 1001 | Tank Storage |
| 1002 | Tank Storage |
| 1003 | Tank Storage |
| 1005 | Tank Storage |
| 1006 | Tank Storage |
| 1007 | Tank Storage |
| 1008 | Tank Storage |
| 1012 | Tank Storage |
| 1013 | Tank Storage |
| 1164 | Tank Storage |
| 1165 | Tank Storage |
| 1522 | Tank Storage |
| 2072 | Tank Storage |
| 2552 | Tank Storage |
| 2553 | Tank Storage |
| 2572 | Tank Storage |
| 2579 | Tank Storage |
| 2580 | Tank Storage |
| 2673 | Tank Storage |
| 3001 | Tank Storage |
| 3002 | Tank Storage |
| 3003 | Tank Storage |
| 4030 | Tank Storage |
| 5521 | Tank Storage |
| 5532 | Tank Storage |
| 5550 | Tank Storage |
| 5551 | Tank Storage |
| 5553 | Tank Storage |
| 5554 | Tank Storage |
| 5555 | Tank Storage |
| 5557 | Tank Storage |
| 5558 | Tank Storage |
| 5559 | Tank Storage |
| 5577 | Tank Storage |
| 5578 | Tank Storage |
| 5580 | Tank Storage |

Final Equipment List for Cyclohexane (2006) Permit Numbers 9868A and PSD-TX-102M4 Page 3

| Emission Point No. | Emission Point Name |
|--------------------|---------------------|
| EE02 | Tonk Storage |
| 5583 | Tank Storage |
| 5584 | Tank Storage |
| 5597 | Tank Storage |
| 5599 | Tank Storage |
| 8001 | Tank Storage |
| 8002 | Tank Storage |
| 8031 | Tank Storage |
| 8032 | Tank Storage |
| 8034 | Tank Storage |
| 9500 | Tank Storage |
| 9501 | Tank Storage |
| 9502 | Tank Storage |
| 9503 | Tank Storage |



FINAL EQUIPMENT LIST FOR ETHYL BENZENE (2006)

| Emission Point No. | Emission Point Name |
|--------------------|-------------------------------|
| F 0.4 | Hait O Franklings |
| F-2-1 | Unit 2 Fugitives |
| F-7 | Platformer |
| F-9 | Unit 9 Fugitives |
| F-10 | Unit 10 Fugitives |
| F-23 | St Run Fract Fugitives |
| F-26 | HO FCCU Fract Fugitives |
| F-28 | Unit 28 Fugitives |
| F-29 | Gas Oil FCCU 29 Fugitives |
| F-32 | Unit 32 Fugitives |
| F-40 | Heavy Oil FCCU Fugitives |
| F-53-1 | Refinery Loading Fug (New) |
| F-53-2 | NGL Loading Rack (New EPN) |
| F-66-1 | Ref. Flare Area Fug (New) |
| F-66-3 | ARDS/Cat Area Fugitives (New) |
| F-68-1a | ARDS Storage Fugitives (New) |
| F-68-1e | E. Refinery Storage Fug (New) |
| F-68-1n | N. Refinery Storage Fug (New) |
| F-68-1r | Rocky Station Fugitives (New) |
| F-68-1s | S. Refinery Storage Fug (New) |
| F-68-1t | Taubman Yard Fugitives (New) |
| F-68-1w | W. Refinery Storage Fug (New) |
| F-68-2n | N. Coble Storage Fug (New) |
| F-68-2s | S. Coble Storage Fug (New) |
| F-68-3 | NGL West Storage Fug (New) |
| F-68-4t | JTF Fugitives (New) |
| F-68-5 | Gasoline Blending System |
| F-85-1 | Unit 29 COB Fug (New) |
| F-85-2 | Unit 40 COB Fug (New) |
| F-56-1-4-A | Refy Oil/H20 Separators |
| F-56-1-4-B | API Trap Fugitives |
| F-56-1-5 | Hazardous Waste Impoundment |
| 0111 | Tank Storage |
| 0202 | Tank Storage |
| 0401 | Tank Storage |
| 0572 | Tank Storage |
| 0573 | Tank Storage |
| 2072 | Tank Storage |
| 2572 | Tank Storage |

Final Equipment List for Ethyl Benzene (2006) Permit Numbers 9868A and PSD-TX-102M4 Page 2

| Emission Point No. | Emission Point Name |
|--|---|
| 2579 2580 2673 3003 4030 5521 | Tank Storage |
| 5532 | Tank Storage |
| 5553 5554 5555 5557 | Tank Storage Tank Storage Tank Storage Tank Storage |
| 5583 5584 | Tank Storage Tank Storage |
| 5597 5599 8001 | Tank Storage Tank Storage Tank Storage |
| 8002 8031 8032 8034 9500 | Tank Storage Tank Storage Tank Storage Tank Storage Tank Storage Tank Storage |
| 9501 9502 9503 | Tank Storage Tank Storage Tank Storage |

Dated_____

FINAL EQUIPMENT LIST FOR HEXANE (2006)

| Emission Point No. | Emission Point Name |
|---|---|
| 53T1 53R2 53R3 53T2 66FL1 66FL2 66FL3 66FL4 66FL5 66FL6 | Refy Tank Truck Loading NGL Tank Car Tracks 1 and 2 NGL Tank Car Tracks 3 and 4 NGL Tank Truck Loading Refinery East HC Flare Refinery West HC Flare Refinery Cat Flare NGL Non-Corrosive Flare NGL Corrosive Flare H ₂ S Emergency Flare |
| 66FL12 53FL1 F-1 F-2-1 F-2-5 F-4 F-5 F-6 | ARDS HC Flare Thermal Oxidation Unit Unit 1 Fugitives (New EPN) Unit 2 Fugitives Process Fugitives Butane Isom Fugitives Pentane Isom Fugitives Hexane Isom Fugitives |
| F-7 F-9 F-10 F-11 F-12 F-13 F-19-1 F-19-2 F-19-3 | Platformer Unit 9 Fugitives Unit 10 Fugitives NGL Deethanizer Unit Fug Cryogenic Gas Plant Fug NGL Clean-Up Unit Fug Naphtha HDS Fugitives Reformer Fugitives Distillate HDS Fugitives |
| F-23 F-26 F-28 F-29 F-32 F-36 F-40 F-42 F-56-4 F-66-1 F-66-3 F-68-1a | St Run Fract Fugitives HO FCCU Fract Fugitives Unit 28 Fugitives Gas Oil FCCU 29 Fugitives Unit 32 Fugitives Unit 36 Fugitives Heavy Oil FCCU Fugitives ARDS Unit 42 Fugitives Unit 56 Fugitives (New) Ref. Flare Area Fug (New) ARDS/Cat Area Fugitives (New) ARDS Storage Fugitives (New) |

Final Equipment List for Hexane (2006) Permit Numbers 9868A and PSD-TX-102M4 Page 2

| Emission Point No. | Emission Point Name |
|--|--|
| F-68-1e F-68-1r F-68-1s F-68-1s F-68-1t F-68-1w F-68-2n F-68-2s F-68-3 F-68-4t F-68-5 F-85-1 F-85-2 F-56-1-1 F-56-1-3 F-56-1-4-B F-56-1-6 F-56-2 0511 0512 0513 0516 0562 1001 1002 1003 1005 1008 1011 1164 2072 2552 | E. Refinery Storage Fug (New) N. Refinery Storage Fug (New) Rocky Station Fugitives (New) S. Refinery Storage Fug (New) Taubman Yard Fugitives (New) W. Refinery Storage Fug (New) N. Coble Storage Fug (New) S. Coble Storage Fug (New) S. Coble Storage Fug (New) MGL West Storage Fug (New) JTF Fugitives (New) Gasoline Blending System Unit 29 COB Fug (New) Unit 40 COB Fug (New) NGL West Sump NGL North Sump API Trap Fugitives Storm Water System Dixon Creek WWTP Tank Storage |
| 1164 | Tank Storage |
| 2552 2572 2575 | <u> </u> |
| 3001 3002 3003 | Tank Storage Tank Storage Tank Storage |
| 4030 5521 5532 | Tank Storage Tank Storage Tank Storage |

Final Equipment List for Hexane (2006) Permit Numbers 9868A and PSD-TX-102M4 Page 3

| Emission Point No. | Emission Point Name |
|--------------------|---------------------|
| 5550 | Tank Storage |
| 5551 | Tank Storage |
| 5553 | Tank Storage |
| 5554 | Tank Storage |
| 5555 | Tank Storage |
| 5557 | Tank Storage |
| 5558 | Tank Storage |
| 5559 | Tank Storage |
| 5560 | Tank Storage |
| 5577 | Tank Storage |
| 5578 | Tank Storage |
| 5580 | Tank Storage |
| 5583 | Tank Storage |
| 5584 | Tank Storage |
| 5597 | Tank Storage |
| 5599 | Tank Storage |
| 8001 | Tank Storage |
| 8002 | Tank Storage |
| 8031 | Tank Storage |
| 8032 | Tank Storage |
| 8034 | Tank Storage |
| 9500 | Tank Storage |
| 9501 | Tank Storage |
| 9502 | Tank Storage |
| 9503 | Tank Storage |

Dated_____

FINAL EQUIPMENT LIST FOR TOLUENE (2006)

Final Equipment List for Toluene (2006) Permit Numbers 9868A and PSD-TX-102M4 Page 2

| Emission Point No. | Emission Point Name |
|--------------------|------------------------------|
| 1164 | Tank Storage |
| 1165 | Tank Storage |
| 1522 | Tank Storage |
| 2072 | Tank Storage |
| 2510 | Tank Storage |
| 2552 | Tank Storage |
| 2553 | Tank Storage |
| 2572 | Tank Storage |
| 2575 | Tank Storage |
| 2576 | Tank Storage |
| 2577 | Tank Storage |
| 2579 | Tank Storage |
| 2580 | Tank Storage |
| 2673 | Tank Storage |
| 3003 | Tank Storage |
| 4030 | Tank Storage |
| 5505 | Tank Storage |
| 5521 | Tank Storage |
| 5532 | Tank Storage |
| 5550 | Tank Storage |
| 5551 | Tank Storage |
| 5553 | Tank Storage |
| 5554 | Tank Storage |
| 5555 556 | Tank Storage |
| 5556 5557 | Tank Storage |
| 5558 | Tank Storage Tank Storage |
| 5559 | Tank Storage |
| 5578 | Tank Storage |
| 5580 | Tank Storage |
| 5583 | Tank Storage |
| 5584 | Tank Storage |
| 5597 | Tank Storage |
| 5599 | Tank Storage |
| 8001 | Tank Storage |
| 8002 | Tank Storage |
| 8031 | Tank Storage |
| 8032 | Tank Storage |
| 8034 | Tank Storage |
| | . a.m. Ctorago |

Final Equipment List for Toluene (2006) Permit Numbers 9868A and PSD-TX-102M4 Page 3

| Emission Point No. | Emission Point Name |
|--------------------|---------------------|
| | |
| | |
| 9500 | Tank Storage |
| 9501 | Tank Storage |
| 9502 | Tank Storage |
| 9503 | Tank Storage |

FINAL EQUIPMENT LIST FOR XYLENE (2006)

| Emission Point No. | Emission Point Name | |
|--------------------|--|--|
| 53T1 | Refy Tank Truck Loading | |
| F-2-1 | Unit 2 Fugitives | |
| F-7 | Platformer | |
| F-9 | Unit 9 Fugitives | |
| F-10 | Unit 10 Fugitives | |
| F-19-1 | Naphtha HDS Fugitives | |
| F-19-2 | Reformer Fugitives | |
| F-23 | St Run Fract Fugitives | |
| F-26 | HO FCCU Fract Fugitives | |
| F-28 | Unit 28 Fugitives | |
| F-29 | Gas Oil FCCU 29 Fugitives | |
| F-32 | Unit 32 Fugitives | |
| F-40 | Heavy Oil FCCU Fugitives | |
| F-56-5 | Unit 56 Fugitives (New) | |
| F-66-1 | Ref. Flare Area Fug (New) | |
| F-66-3 | ARDS/Cat Area Fugitives (New) | |
| F-68-1a | ARDS Storage Fugitives (New) | |
| F-68-1e | E. Refinery Storage Fug (New) | |
| F-68-1n | N. Refinery Storage Fug (New) | |
| F-68-1r | Rocky Station Fugitives (New) | |
| F-68-1s | S. Refinery Storage Fug (New) | |
| F-68-1t | Taubman Yard Fugitives (New) | |
| F-68-1w | W. Refinery Storage Fug (New) | |
| F-68-2n | N. Coble Storage Fug (New) | |
| F-68-2s | S. Coble Storage Fug (New) | |
| F-68-3 | NGL West Storage Fug (New) | |
| F-68-4t | JTF Fugitives (New) | |
| F-68-5 | Gasoline Blending System | |
| F-85-1 | Unit 29 COB Fug (New) | |
| F-85-2 F-56-1-1 | Unit 40 COB Fug (New) | |
| F-56-1-4-A | NGL West Sump Refy Oil/H20 Separators | |
| F-56-1-4-B | API Trap Fugitives | |
| F-56-1-6 | Storm Water System | |
| F-56-2 | Dixon Creek WWTP | |
| 0111 | Tank Storage | |
| 0202 | Tank Storage | |
| 0401 | Tank Storage | |
| 0572 | Tank Storage | |
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Final Equipment List for Xylene (2006) Permit Numbers 9868A and PSD-TX-102M4 Page 2

| Emission Point No. | Emission Point Name |
|--------------------|---------------------|
| 0573 | Tank Storage |
| 1165 | Tank Storage |
| 2072 | Tank Storage |
| 2572 | Tank Storage |
| 2579 | Tank Storage |
| 2580 | Tank Storage |
| 2673 | Tank Storage |
| 3003 | Tank Storage |
| 4030 | Tank Storage |
| 5521 | Tank Storage |
| 5532 | Tank Storage |
| 5551 | Tank Storage |
| 5553 | Tank Storage |
| 5554 | Tank Storage |
| 5555 | Tank Storage |
| 5557 | Tank Storage |
| 5583 | Tank Storage |
| 5584 | Tank Storage |
| 5597 | Tank Storage |
| 5599 | Tank Storage |
| 8001 | Tank Storage |
| 8002 | Tank Storage |
| 8031 | Tank Storage |
| 8032 | Tank Storage |
| 8034 | Tank Storage |
| 9500 | Tank Storage |
| 9501 | Tank Storage |
| 9502 | Tank Storage |
| 9503 | Tank Storage |

Dated____

FINAL EQUIPMENT LIST FOR AMMONIA (2006)

| Emission Point No. | Emission Point Name |
|--------------------|---------------------------|
| | |
| F-56-1-4-A | Refy Oil/H2O Separators |
| F-56-2 | Dixon Creek WWTP |
| 3003 | Tank Storage |
| F-29 | Gas Oil FCCU 29 Fugitives |
| F-32 | Unit 32 Fugitives |
| F-42 | ARDS Unit 42 Fugitives |
| F-43 | Sulfur Handling/Storage |
| F-44 | Fugitives |
| F-40 | Heavy Oil FCCU Fugitives |
| 5582 | Tank Storage |



FINAL EQUIPMENT LIST FOR HYDROGEN FLUORIDE (2006)

Permit Numbers 9868A and PSD-TX-102M4

| F-22 | HF Alkylation Fugitives | |
|------|-------------------------|-------|
| | | |
| | | |
| | | Dated |

Emission Point No. Emission Point Name

FINAL EQUIPMENT LIST FOR CHLORINE (2006)

| Emission Point No. | Emission Point Name | |
|--|--|--|
| F-54-C1 F-54-C2 F-54-C3 F-54-C4 | Cooling Towers (Marley No. 1-8, Fluor No. 3-5) Cooling Tower (Ecodyne No. 9) Cooling Tower (Santa Fe No. 11) Cooling Tower (Marley No. 13) | |
| F-54-C6 | Cooling Tower (Marley No. 10) | |
| F-54-C7 | Cooling Tower (No. 2 Refinery) | |
| F-54-C8 | Cooling Tower (No. 4 Refinery) | |
| F-54-C9 | Cooling Tower (No. 7 Refinery) | |
| F-54-C10 | Cooling Tower (No. 9 Refinery) | |
| F-54-C11 | Cooling Tower (No. 3 Refinery) | |
| F-54-C12 | Cooling Tower (Marley No. 12) | |
| F-54-C13 | Cooling Tower (Pritchard No. 14) | |
| F-54-C14 | Cooling Tower (Marley No. 15) | |
| F-54-C15 | Cooling Tower (Pritchard No. 16) | |
| F-54-C16 | Cooling Tower (Pritchard No. 18) | |
| F-54-C17 | Cooling Tower (No. 8 Refinery) | |
| F-54-C18 | Cooling Tower (No. 9 Refinery) | |
| F-54-C19 | Cooling Tower (No. 10 Refinery) | |
| F-54-C20 | Cooling Tower (Ards No. 17) | |

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