TABLE 1
SUMMARY OF APPLICABLE REQUIREMENTS AND COMPLIANCE PROCEDURES
TAMINCO US, LLC – TAMINCO PACE PLANT (Updates to Table are noted in red text)

Permit Section / EU No.	Description	Condition/Limitation	Compliance Testing/Demonstration Requirement(s)	Recordkeeping/ Reporting Requirement(s)
Section A EU 029	Methylamines Plant Nos. 1 and 4 Group 1 HON Storage Tanks: TK-53407, TK-53405, TK-53401B	Each floating roof shall be equipped with a metallic shoe seal. [62-204.800(11)(b), F.A.C.] [40 CFR 63.119(a)(1), (b)(3)]	Must visually inspect the internal floating roofs and the secondary seals through manholes and roof hatches on each fixed roof at least once every12 months after January 27, 1998. Visually inspect each internal floating roof, the primary and secondary seals, gaskets, slotted membranes, and holes, tears sleeve seals (if any) each time the storage vessel is emptied and degassed, and at least once every 10 years after April 22, 1997. If during an inspection, an internal floating roof is not resting on the surface of the liquid inside the storage vessel and is not resting on the leg supports; or there is liquid on the floating roof; or the seal is detached; or there are holes or tears in the seal fabric; or there are visible gaps between the seal and the wall of the storage vessel, repairs shall be made to the equipment within 45 calendar days. If a failure is detected that cannot be repaired within 45 calendar days and if the vessel cannot be emptied within 45 calendar days, the owner or operator may utilize up to 2 extensions of up to 30 additional calendar days each provided that documentation of a decision to utilize an extension is maintained that includes a description of the failure, that alternate storage capacity is unavailable, and that specifies a schedule of actions that will ensure that the equipment will be repaired or the vessel will be emptied as soon as possible. If during the inspections, the internal floating roof has defects; or the primary seal has holes, tears, or other openings in the seal or the seal fabric; or the secondary seal has holes, or tears, or other openings in the seal or the seal fabric; or the gaskets no longer close off the liquid surface from the atmosphere; or the slotted membrane has more than 10 percent open area, the repairs shall be made before the vessel is refilled with organic HAP. [62-204.800(11)(b), F.A.C.] [40 CFR 63.120(a)(2), (4) and (7)] STERP. Visually inspect the deck fitting for the slotted guidepole at least once every 10 years and each time the vessel is emptied and degassed. If the slotted guidepole deck fitting or control devices have defects, or if a gap of more than 0.32 centimeters (1/8 inch) exists between any gasket required for control of the slotted guidepole deck fitting and any surface that is intended to seal, such items shall be repaired before filling or refilling the storage vessel with regulated material. [Federal Register Notice 19891 (April 13, 2000)]	(1) Periodic reports are to include a summary of the results of each internal or external inspection conducted in which a failure was detected with the date of the inspection, identification of the storage vessel in which a failure was detected and a description of the failure. Also, the nature of and date the repair was made or the date the storage vessel was emptied is to be documented. The Department shall be notified in writing at least 30 calendar days prior to the refilling of a storage vessel that has been emptied and degassed. If the facility could not have known about the refilling 30 calendar days in advance, the facility shall notify the Department at least 7 calendar days prior to the refilling of the storage vessel. Notification made by telephone shall be immediately followed by written documentation demonstrating why the inspection was unplanned. Documentation pertaining to the utilization of any extensions is to be included. [62-204.800(11)(b), F.A.C.] [40 CFR 63.122, (a)(4), (a)(5), (d)] [40 CFR 63.120(a)(5) and (6)][40 CFR 63.123 (g)] (2) Records showing each tank's dimensions and capacities and records of each inspection shall be maintained as long as the tank retains Group 1 status under the HON and is in operation. [62-204.800(11)(b), F.A.C.] [40 CFR 63.123(a) and (c)]

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Permit Section / EU No.	Description	Condition/Limitation	Compliance Testing/Demonstration Requirement(s)	Recordkeeping/ Reporting Requirement(s)
Section B EU 046	Sitewide HON Heat Exchangers	All sitewide heat exchange systems not meeting the conditions specified in 40 CFR 63.104(a)(1) through (6), shall be monitored by (a) inspecting the cooling water for the presence of one or more organic HAPs or other representative substance whose presence in cooling water indicates a leak as specified in 40 CFR 63.104(b)(1) through (6); or by using a surrogate indicator of heat exchanger system leaks as specified in 40 CFR 63.104(c)(1) through (3). [62-204.800(11)(b), F.A.C.] [40 CFR 63.104(a), (b), and (c)]	Beginning April 22, 1999, any leaks that are detected shall be repaired as soon as practical but not later than 45 days after the Permittee receives results of monitoring tests indicating a leak. After repair, the Permittee shall confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Repairs may be delayed beyond 45 days if the criteria specified in 40 CFR 63.104(e) are met. [62-204.800(11)(b), F.A.C.] [40 CFR 63.104(d) and (e)]	Beginning April 22, 1999, the Permittee shall maintain records of required monitoring, leaks detected, the dates of efforts to repair leaks, and the method or procedures used to confirm repair of a leak and the date the repair was confirmed. Periodic reports are required only if the Permittee invokes the delay of repair. Periodic reports shall include information required by 40 CFR 63.104(f)(2). [62-204.800(11)(b), F.A.C.] [40 CFR 63.104(f)]
Section C EU 047	Methanol Storage HON-Maintenance Wastewater	Permittee shall prepare a description of maintenance procedures for management of wastewaters containing those organic HAPs listed in Table 9 of 40CFR Subpart G which are generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair (i.e., a maintenance-turnaround) and during periods which are not shutdown (i.e., routine maintenance). The descriptions shall: (1) specify process equipment or maintenance tasks anticipated to create wastewater during maintenance activities, (2) specify procedures that will be followed to properly manage the wastewater and control organic HAP emissions to the atmosphere, and (3) specify procedures to be followed when clearing materials from process equipment. Permittee shall modify and update maintenance procedures as needed. [62-204.800(11)(b), F.A.C.] [40 CFR 63.105(b) and (c)]	See requirements specified in "Condition/Limitation" column.	The Permittee shall maintain a record of the required information as part of the startup, shutdown, and malfunction plan required under 40 CFR 63.6(e)(3). Plans shall be maintained and kept readily available for inspection for the life of the source, or until 40 CFR Part 63 standards no longer apply to the source. No notification or periodic reporting of maintenance wastewater activities is required. [62-204.800(11)(b), F.A.C.] [40 CFR 63.105(d) and (e)]
Section D EU 048	Methylamines Plants Sample Points	Sampling points in organic HAP service shall meet the criteria set forth in 40 CFR 63.166. [62-204.800(11)(b), F.A.C.] [40 CFR 63.166]	Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system. Gases displaced during filling of the sample container are not required to be collected or captured. Each sampling system shall meet one of the specifications specified in 40 CFR 63.166(b). [62-204.800(11)(b), F.A.C.][40 CFR 63.166]	The Permittee shall maintain records specified in 40 CFR 63.181(b)(1)(i) and no periodic reporting is required under 40 CFR 63.182. Notwithstanding, Title V semi-annual progress reports shall be submitted that identify any instances of non-compliance and annual Title V compliance certification reports must certify whether or not compliance with applicable requirements has been achieved. [62-204.800(11)(b), F.A.C.][40 CFR 63.181]

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Permit Section / EU No.	Description	Condition/Limitation	Compliance Testing/Demonstration Requirement(s)	Recordkeeping/ Reporting Requirement(s)
Section E EU 001	Riley Stoker Boiler	The maximum allowable operating rate of the Riley Stoker Boiler is 128 MMBtu/hour heat input, averaged daily. [62-213.440(1), F.A.C.]	The production rate of steam shall be calculated from the steam production daily records.	The Permittee shall maintain records of operation.
Section E EU 001	Riley Stoker Boiler	The allowable quantity of DIMLA purification residue that may be consumed in the Riley Stoker Boiler is limited to 37,500 lbs. (5,356 gallons) in any consecutive 12 month period. [Rule 62.200(PTE), F.A.C.]	The amount of DIMLA purification residue fed to the boiler will be calculated in lbs/hour.	The permittee shall maintain records of DIMLA purification residue fed to the boiler.
Section E EU 001	Riley Stoker Boiler	DIMLA Process Steam Capacity: The maximum hourly steam feed rate to the DIMLA process from the combined Riley Stoker Boiler (EU 001), B & W Boiler (EU 003), and three Cogen units owned by Gulf Power shall not exceed 24,500 lb/hr. [Rule 62.200(PTE), F.A.C.]	The amount of steam fed to the DIMLA Plant will be measured by flow meters in lbs/hour.	The permittee shall maintain records of steam fed to the DIMLA Plant.
Section E EU 001	Riley Stoker Boiler	Visible emissions shall not exceed 20% opacity under normal operating conditions except for up to one 2-minute period per hour during which opacity shall not exceed 40%. [62-296.406(1), F.A.C.]	EPA Method 9 testing shall be conducted once within the final twelve months of the Title V permit at 90 to 100 percent of the maximum capacity. [62-297.310(3)(b)]	Results of testing reported to the Department within 45 days after testing and must contain, at a minimum, information required in [62-297.310(8), F.A.C.].

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Permit Section / EU No.	Description	Condition/Limitation	Compliance Testing/Demonstration Requirement(s)	Recordkeeping/ Reporting Requirement(s)
Section E EU 001	Riley Stoker Boiler	Riley Stoker boiler shall be in compliance with the following requirements of 62-204.800(f), F.A.C. Commercial and Industrial Solid Waste Incineration (CISWI) Units by the date specified in 62-204.800(9)(f)(2), F.A.C: • Increments of Progress – same as requirements set forth in 40 CFR 60.2575 through 60.2615 • Initial Compliance Requirements – same as requirements set forth in 40 CFR 60.2700 through 60.2706 • Waste Management Plan – same as requirements set forth in 40 CFR 60.2620 through 60.2630 • Operator Training and Qualifications – same as requirements set forth in 40 CFR 60.2635 through 60.2665 • Emissions Limitations and Operating Limits – same as requirements set forth in 40 CFR 60.2670 through 60.2685 [62-204.800(9)(f), F.A.C.]	Riley Stoker boiler demonstrate compliance with the requirements of 62-204.800(f), F.A.C. Commercial and Industrial Solid Waste Incineration (CISWI) Units as follows: • Performance Testing – same as requirements set forth in 40 CFR 60.2690 through 60.2695 • Continuous Compliance Requirements – same as requirements set forth in 40 CFR 60.2710 through 60.2725 • Monitoring – same as requirements set forth in 40 CFR 60.2730 through 60.2735 [62-204.800(9)(f), F.A.C.]	Recordkeeping and Reporting – same as requirements set forth in 40 CFR 60.2740 through 60.2800 [62-204.800(9)(f)(10), F.A.C.]
Section F EU 003	B & W Boiler	The maximum allowable operating rate of the B & W Boiler is 90,000 pounds of steam per hour at 600 psig, averaged daily. [62-213.440(1), F.A.C.]	The annual production rate of steam shall be calculated from daily records.	The Permittee shall maintain records of operation.
Section F EU 003	B & W Boiler	Visible emissions shall not exceed 20% opacity under normal operating conditions except for up to one 2-minute period per hour at not more than 40% opacity. [62-296.406(1), F.A.C.]	EPA Method 9 testing shall be conducted once within the final twelve months of the Title V permit at 90 to 100 percent of the maximum boilerplate capacity, which is 90,000 pounds per hour of steam. [62-297.310(3)(b)]	Results of testing reported to the Department within 45 days after testing and must contain, at a minimum, information required in [62-297.310(8), F.A.C.].
Section F EU 003	B & W Boiler	Permittee shall demonstrate that all gaseous fuels other than natural gas or refinery gas qualifies as an other gas 1 fuel, as defined in §63.7575. [62-204.800(11)(b), F.A.C.] [40 CFR 63.7530(g)]	Permittee shall conduct an initial fuel specification analyses for mercury according to the procedures in 40 CFR 63.7521(f) through (i) and according to the frequency listed in 40 CFR 63.7540(c). [62-204.800(11)(b), F.A.C.] [40 CFR 63.7530(g)]	Maintain records as specified in 40 CFR 63.7555(g) and in accordance with 40 CFR 63.7560. [62-204.800(11)(b), F.A.C.] [40 CFR 63.7530(g)] [40 CFR 63.7560]

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Permit Section / EU No.	Description	Condition/Limitation	Compliance Testing/Demonstration Requirement(s)	Recordkeeping/ Reporting Requirement(s)
Section F EU 003	B & W Boiler	Permittee shall conduct an annual tune-up of the boiler. [62-204.800(11)(b), F.A.C.] [40 CFR 63.7540(a)(10)] [Table 3 (Item 3) to Subpart DDDDD of part 63]	Permittee shall perform tune-ups according to the criteria specified in 40 CFR 63.7540(a)(10)(i) through (v). [62-204.800(11)(b), F.A.C.] [40 CFR 63.7540(a)(10)] [Table 3 (Item 3) to Subpart DDDDD of part 63]	Maintain and submit, if requested by the Administrator, an annual report containing the information in 40 CFR 63.7540(a)(10)(vi)(A) through (C). [62-204.800(11)(b), F.A.C.] [40 CFR 63.7540(a)(10)(vi)]
Section F EU 003	B & W Boiler	Permittee shall conduct a one-time energy assessment. [62-204.800(11)(b), F.A.C.] [Table 3 (Item 4) to Subpart DDDDD of part 63]	Energy assessment shall be performed by a qualified energy assessor and must include the items listed in 4(a) through (h) of Table 3 to Subpart DDDDD of part 63 but only to the extent of evaluation appropriate for the on-site technical hours listed in 40 CFR 63.7575. [62-204.800(11)(b), F.A.C.] [Table 3 (Item 4) to Subpart DDDDD of part 63] [40 CFR 63.7575]	Maintain records of information specified in "Compliance Testing/Demonstration Requirement(s)" Column and in accordance with 40 CFR 63.7560. [40 CFR 63.7560]

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Section G EU 005	Amines Plants Flare	During periods of flare startup, shutdown, malfunction, and maintenance, or other such periods that the Permittee may choose, the Permittee may divert emissions from the flare to the Fuel Gas System Boilers. [62-204.800(11)(b), F.A.C.] [40 CFR 63.6(e)(3]	The Permittee shall demonstrate compliance with this requirement by maintaining compliance with 40 CFR Part 63 requirements pertaining to startup, shutdown, malfunction, and reporting of maintenance activities in accordance with other permit conditions set forth in this permit that pertain to emission units that emit organic hazardous air pollutants to the Amines Flare and that are regulated under 40 CFR 63 Subparts F, G, H and FFFF. [62-204.800(11)(b), F.A.C.] [40 CFR 63.10(d)(5)]	See "Compliance Testing/Demonstration Requirement(s)" column.
Section G EU 005	Amines Plants Flare	The Amines Plants Flare, a non-assisted flare, shall: • Be operated at all times when HON or MON- regulated emissions may be vented to it and shall maintain a minimum net heating value of the gas being combusted at 7.45 MJ/scm (200 Btu/scf) when emission units subject to 40 CFR 63 Parts G, H, or FFFF are venting to the flare • Be operated with a flame present at all times. The presence of a flare pilot flame shall be monitored, *at least once each hour*, using a thermocouple or any other equivalent device to detect the presence of a flame; and • Maintain the exit velocity of gas from the flare at less than or equal to 60 ft/sec (18.3 m/sec). [62-204.800(8)(d) and (11)(b) & (d), F.A.C.] [40 CFR 63.11(b)(3), (5), (6) and (7)]	• Demonstrate compliance with the minimum net heating value requirement by maintaining a vent gas to natural gas fuel input ratio sufficient to maintain a minimum net heating value of 7.45 MJ/scm (200 Btu/scf) (calculated using the higher heating value). Approved alternate monitoring allows use of the Honeywell control system that continuously monitors the natural gas and process gas flow rate at the flare in lieu of collecting samples of gas ducted to the flare tip for heating value analysis and testing to measure the velocity at the flare tip; • Continuously monitor for the presence of a flare pilot flame using a thermocouple or any other equivalent device to detect the presence of a flame; and • Utilize a high velocity alarm to ensure the maximum allowable velocity of 60 ft/sec (18.3 (m/sec) will not be exceeded. [62-204.800(11)(b), F.A.C.] [40 CFR 63.11(b)(3), (5), (6) and (7); and 40 CFR 60.18]	The Permittee shall maintain records of the following information: • Identification of the dates and durations of periods during which the minimum heating value, pilot flame, and exit velocity requirements were not maintained and the reasons why these requirements were not met. • Identification of the dates and durations during which flare control and monitoring systems were inoperative. The Permittee shall submit periodic reports that identify each occurrence during which heating value, pilot flame, and exit velocity requirements were not maintained. Periodic reports shall also specify periods during which the control and monitoring systems were inoperative. The lack of monitoring data shall not constitute an excursion if other process data is available that adequately demonstrates that the flare was operating normally. [62-204.800(11)(b) and (d), F.A.C.] [40 CFR 63.118(a)(1)] [40 CFR 63.122(g)(3)] [40CFR 63.130(a)(2)(i)] [40 CFR 63.130(a)(1)] [40 CFR 152(c)(4)(E)(iii)] [40 CFR 60.115b] [40 CFR 63.172]

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Permit Section / EU No.	Description	Condition/Limitation	Compliance Testing/Demonstration Requirement(s)	Recordkeeping/ Reporting Requirement(s)
Section G EU 005	Amines Plants Flare	The Amines Plants Flare shall be operated with no visible emissions, except for periods not to exceed a total of five minutes in any two consecutive hours. [Rules 62-204.800(8)(d) and (11)(d), F.A.C.; 40 CFR 63.11(b)(4), and 40 CFR 60.18(c)(1) and (f)(1)]	Permittee shall conduct a flare compliance assessment using EPA Method 22 during operations at a time when either the MA Plant No. 1 or No. 4 and the DIMLA Plant are operating and the flare is operating at maximum velocity. The test shall be conducted within the 12 months prior to the submittal of and included with the Title V Permit Renewal Application. The observation period shall be at least two hours. [Rules 62-204.800(8)(d), (11)(d), and 62-297.310(8)(b), F.A.C.; 40 CFR 63.11(b)(4), 40 CFR 60.18(c)(1) and (f)(1); and Permit No. 1130004-019-AC]	Results of testing must be reported to the Department within 45 days after testing and must contain, at a minimum, information required in Rule 62-297.310(10)(c), F.A.C. Periodic reports will only specify that EPA Method 22 testing was conducted and indicate any deviations from the visible emissions requirement. [Rule 62-297.310(10), F.A.C.]
Section H EU 006	Methylamines Plant No. 1 Gas-Fired Heater	The maximum allowable operating rate of the Methylamines Gas-Fired Heater is 10 million Btu/hr heat input.	The actual gas-fired heater heat input will be calculated on a semi-annual basis as the sum of the previous 12 months total measured flow of natural gas to the heater and the average higher heating value of the natural gas. [62-213.440(1),F.A.C.]	The Permittee shall maintain records of operation. The annual gas-fired heater heat capacity will be calculated on a semi-annual basis as the sum of the previous 12 months total measured flow of natural gas to the heater and the average higher heating value of natural gas. [62-213.440(1), F.A.C.]
Section H EU 006	Methylamines Plant No. 1 Gas-Fired Heater	Visible emissions shall be less than 20% opacity at all times. [62-296.320(4)(b), F.A.C.]	EPA Method 9 testing of the Methylamines Plant No. 1 Gas-Fired Heater Stack shall be conducted once within the final twelve months of the Title V permit at 90 to 100 percent of the maximum design firing rate of 10 million Btu per hour. [62-297(7)(a)3,F.A.C.]	The Permittee shall report the results of testing to the Department within 45 days after testing and must contain, at a minimum, information required in [62-297.310(8), F.A.C.]
Section H EU 006	Methylamines Plant No. 1 Gas-Fired Heater	Permittee shall conduct an annual tune-up of the boiler. [62-204.800(11)(b), F.A.C.] [40 CFR 63.7540(a)(10)] [Table 3 (Item 3) to Subpart DDDDD of part 63]	Permittee shall perform tune-ups according to the criteria specified in 40 CFR 63.7540(a)(10)(i) through (v). [62-204.800(11)(b), F.A.C.] [40 CFR 63.7540(a)(10)]	Maintain and submit, if requested by the Administrator, an annual report containing the information in 40 CFR 63.7540(a)(10)(vi)(A) through (C). [62-204.800(11)(b), F.A.C.] [40 CFR 63.7540(a)(10)(vi)]
Section H EU 006	Methylamines Plant No. 1 Gas-Fired Heater	Permittee shall conduct a one-time energy assessment. [62-204.800(11)(b), F.A.C.] [Table 3 (Item 4) to Subpart DDDDD of part 63]	Energy assessment shall be performed by a qualified energy assessor and must include the items listed in 4(a) through (h) of Table 3 to Subpart DDDDD of part 63 but only to the extent of evaluation appropriate for the on-site technical hours listed in 40 CFR 63.7575. [62-204.800(11)(b), F.A.C.] [Table 3 (Item 4) to Subpart DDDDD of part 63] [40 CFR 63.7575]	Maintain records of information specified in "Compliance Testing/Demonstration Requirement(s)" Column and in accordance with 40 CFR 63.7560. [40 CFR 63.7560]

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Section I EU 049	Methylamines Plant No. 1 Process Vents	The Permittee shall reduce emissions of organic hazardous air pollutants (i.e., chemicals listed in Table 2 of 40 CFR Part 60 Subpart F) using a vapor collection system and flare meeting the criteria of 40 CFR 63.11(b). [62-204.800(11)(b), F.A.C.] [40 CFR 63.113(a)(1)]	Intermittent organic hazardous air pollutant emissions from Methylamines Plant No. 1 Process Vents shall be vented to the Amines Plants Flare, which shall meet the general control device requirements of 40 CFR 63.11(b). Specific permit conditions applicable to the Amines Plants Flare are specified elsewhere in this permit. [62-204.800(11)(b), F.A.C.] [40 CFR 63.113(a)(1)]	Periodic reports on flare operation will be submitted (see "Amines Plant Flare"). [62-204.800(8)(d) and (11)(b), F.A.C.] [40 CFR 63.118] [40 CFR 63. 152(c)(4)]
Section J EU 050	Methylamines Plant No. 1 Wastewater	The Permittee shall comply with requirements set forth in 40 CFR 63.132(a)(1) through (a)(3), which requires that the Permittee determine whether a wastewater emission source is a Group 1 or Group 2 stream. For Group 2 streams, the Permittee shall comply with the recordkeeping requirements of 40 CFR 63.147. [62-204.800(11)(b), F.A.C.] [40 CFR 63.132(a)] [40 CFR 63.147]	If the Permittee uses process knowledge to determine the annual average concentration of a wastewater stream and/or the annual average flowrate and thereby concludes that a wastewater stream is not a Group 1 stream, the Permittee shall keep in a readily accessible location the documentation of how process knowledge was used. [62-204.800(11)(b), F.A.C.] [40 CFR 63.147(f)]	Maintain records of information specified in "Compliance Testing/Demonstration Requirement(s)" Column.

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Section K EU 051	Methylamines Plant No. 1 HON Maintenance Wastewater	The Permittee shall maintain a description of maintenance procedures for management of wastewaters containing those organic HAPs listed in Table 9 of 40 CFR Subpart G which are generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair (i.e., a maintenance-turnaround) and during periods which are not shutdown (i.e., routine maintenance). The descriptions shall: (1) specify the process equipment or maintenance tasks that are anticipated to create wastewater during maintenance activities, (2) specify procedures that will be followed to properly manage the wastewater and control organic HAP emissions to the atmosphere, and (3) specify the procedures to be followed when clearing materials from process equipment. Permittee shall modify and update the maintenance procedures as needed. [62-204.800(11)(b), F.A.C.] [40 CFR 63.105(b) and (c)]	See requirements specified in "Condition/Limitation" column.	The Permittee shall maintain a record of the required information as part of the startup, shutdown, and malfunction plan required under 40 CFR 63.6(e)(3). Plans shall be maintained and kept readily available for inspection for the life of the source, or until 40 CFR Part 63 standards no longer apply to the source. No notification or periodic reporting of maintenance wastewater activities is required. [62-204.800(11)(b), F.A.C.] [40 CFR 63.105(d)]
Section L EU 053	Methylamines Plants Nos. 1&4 HON Group 2 Storage Tanks	For the Group 2 storage vessels (D-68127, D-68146, D-67116O, D-67134B and D-67043 in the common service of both MA Plants 1 and 4), the Permittee shall comply with the recordkeeping requirements of 40 CFR 63.123(a). [62-204.800(11)(b), F.A.C.] [40 CFR 63.119(a)(3)]	See "Condition/Limitation" column.	The Permittee shall keep records showing the dimensions of the storage vessel and an analysis showing the capacity of the vessel. The Permittee is not required to comply with any other provisions of 40 CFR 63.119 through 40 CFR 63.123. [62-204.800(11)(b), F.A.C.] [40 CFR 63.123(a)]

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Permit Section / EU No.	Description	Condition/Limitation	Compliance Testing/Demonstration Requirement(s)	Recordkeeping/ Reporting Requirement(s)
Section M EU 054	Methylamines Plant Nos. 1&4 NSPS Storage Tanks	The Methylamines Plant Nos. 1&4 NSPS Storage Tanks (D-67204E, D-67216A, D-67216B and D-67044, used in the common service of both MA Plants 1 and 4) shall vent through a closed loop vent system followed by a control device designed and operated to reduce inlet emissions of VOC by 95 percent. The closed loop vent system shall be designed to collect all VOC vapors and gases discharged from the storage vessel and shall be operated with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background and visual inspections as determined by 40 CFR 60.485(b). [62-204.800(8)(b)18, F.A.C.] [40 CFR 60.112b(a)(3)(i)&(ii)]	Emissions from the storage tanks shall be vented to the Amines Plants Flare, which shall meet the general control device requirements of 40 CFR 60.18. Specific permit conditions applicable to the Amines Plants Flare are specified elsewhere in this permit. [62-204.800(8)(b)18, F.A.C.] [40 CFR 60.113b(d)]	Continuous records of flare operation shall be maintained and periodic reports on flare operation shall be submitted (see "Amines Plant Flare"). Records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel shall be kept readily accessible for each storage tank subject to 40 CFR 60 Subpart Kb. [Rule 62-204.800(8)(b)(18), F.A.C. and 40 CFR 60.116b(b)]
Section N EU 007	Higher Amines Plant Gas-Fired Heater	The maximum allowable operating rate of the Methylamines Gas-Fired Heater 8.4 MM Btu/hr.	The gas-fired heater heat capacity will be calculated from the measured flow of natural gas to the heater and the average higher heating value of natural gas.	The Permittee shall maintain records of operation. The annual gas-fired heater heat capacity will be calculated on a semi-annual basis as the sum of the previous 12 months total measured flow of natural gas to the heater and the average higher heating value of natural gas. [62-213.440(1), F.A.C.]
Section N EU 007	Higher Amines Plant Gas-Fired Heater	Visible emissions shall be less than 20% at all times. [62-296.320(4)(b), F.A.C.]	EPA Method 9 testing of the Higher Amines Plant Gas-Fired Heater stacks shall be conducted once during the final twelve months of the permit term. [62-297.310(7)(a)3, F.A.C.]	The Permittee shall maintain records of EPA Method 9 compliance tests for this source for five years. [62-213.440(1), F.A.C.]
Section N EU 007	Higher Amines Plant Gas-Fired Heater	Permittee shall conduct a biennial tune-up of the boiler. [62-204.800(11)(b), F.A.C.] [40 CFR 63.7540(a)(11)] [Table 3 (Item 2) to Subpart DDDDD of part 63]	Permittee shall perform tune-ups according to the criteria specified in 40 CFR 63.7540(a)(10)(i) through (v). [62-204.800(11)(b), F.A.C.] [40 CFR 63.7540(a)(11)]	Maintain and submit, if requested by the Administrator, an annual report containing the information in 40 CFR 63.7540(a)(10)(vi)(A) through (C). [62-204.800(11)(b), F.A.C.] [40 CFR 63.7540(a)(10)(vi)]
Section N EU 007	Higher Amines Plant Gas-Fired Heater	Permittee shall conduct a one-time energy assessment. [62-204.800(11)(b), F.A.C.] [Table 3 (Item 4) to Subpart DDDDD of part 63]	Energy assessment shall be performed by a qualified energy assessor and must include the items listed in 4(a) through (h) of Table 3 to Subpart DDDDD of part 63 but only to the extent of evaluation appropriate for the on-site technical hours listed in 40 CFR 63.7575. [62-204.800(11)(b), F.A.C.] [Table 3 (Item 4) to Subpart DDDDD of part 63] [40 CFR 63.7575]	Maintain records of information specified in "Compliance Testing/Demonstration Requirement(s)" Column and in accordance with 40 CFR 63.7560. [40 CFR 63.7560]

TABLE 1
SUMMARY OF APPLICABLE REQUIREMENTS AND COMPLIANCE PROCEDURES
TAMINCO US, LLC – TAMINCO PACE PLANT (Updates to Table are noted in red text)

Permit Section / EU No.	Description	Condition/Limitation	Compliance Testing/Demonstration Requirement(s)	Recordkeeping/ Reporting Requirement(s)
Section O EU 055	72" Batch Column Process Vent	Common Conditions: 'Recordkeeping and Reporting of Startups, Shutdowns, and Malfunctions'	Common Condition: 'Recordkeeping and Reporting of Startups, Shutdowns, and Malfunctions'	40 CFR 63.2525(a) and 63.2520, Common Conditions: 'Recordkeeping and Reporting of Startups, Shutdowns, and 'Excess Emissions and Data Obtained During Startups, Shutdowns, and Malfunctions'
Section P EU 056	72" Batch Column MON Maintenance Wastewater	The Permittee shall maintain the description of maintenance procedures for management of wastewaters containing those organic HAPs listed in Table 9 of 40 CFR 63 Subpart G which are generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair (i.e., a maintenance-turnaround) and during periods which are not shutdown (i.e., routine maintenance). The descriptions shall: (1) specify the process equipment or maintenance tasks that are anticipated to create wastewater during maintenance activities, (2) specify procedures that will be followed to properly manage the wastewater and control organic HAP emissions to the atmosphere, and (3) specify the procedures to be followed when clearing materials from process equipment. The Permittee shall modify and update the maintenance procedures as needed. [62-204.800(11)(b), F.A.C.] [40 CFR 63.105(b) and (c)]	See requirements specified in "Condition/Limitation" column.	The Permittee shall maintain a record of the required information as part of the startup, shutdown, and malfunction plan required under 40 CFR 63.6(e)(3). Plans shall be maintained and kept readily available for inspection for the life of the source, or until 40 CFR Part 63 standards no longer apply to the source. No notification or periodic reporting of maintenance wastewater activities is required. [62-204.800(11)(b), F.A.C.] [40 CFR 63.6 (e)(3)] [40 CFR 63.105(d)]
Section R EU 058	Higher Amines/72" Batch/DIMLA MON Group 2 Storage Tanks	For each Group 2 storage vessel (Higher Amines: D-68110A, D-68110B, D-68142; DIMLA; Formalin Tank, TK-62141), the Permittee shall comply with the recordkeeping requirements of 40 CFR 63.123(a [62-204.800(11)(b), F.A.C.] [40 CFR 63.119(a)(3)]	See "Condition/Limitation" column.	The Permittee shall keep records showing the dimensions of each storage vessel and an analysis showing the capacity of each vessel. The Permittee is not required to comply with any other provisions of 40 CFR 63.119 through 40 CFR 63.123. [62-204.800(11)(b), F.A.C.] [40 CFR 63.123(a)] Permittee shall report to the Department within 60 days after the end of each year the information required. [62-212.300(1)(e)2, F.A.C.]

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TAMINCO US, LLC – TAMINCO PACE PLANT (Updates to Table are noted in red text)

Permit Section / EU No.	Description	Condition/Limitation	Compliance Testing/Demonstration Requirement(s)	Recordkeeping/ Reporting Requirement(s)
Section S EU 059	72" Batch MON Column Wastewater	The Permittee shall comply with requirements set forth in 40 CFR 63.132(a)(1) through (a)(3), which requires that the Permittee determine whether a wastewater emission source is a Group 1 or Group 2 stream. For Group 2 streams, the Permittee shall comply with the recordkeeping requirements of 40 CFR 63.146. [62-204.800(11)(b), F.A.C.] [40 CFR 63.132(a)] [40 CFR 63.2485(a)]	If the Permittee uses process knowledge to determine the annual average concentration of a wastewater stream and/or the annual average flowrate used to determine that a wastewater stream is not a Group 1 stream, the Permittee shall keep in a readily accessible location the documentation of how process knowledge was used. [62-204.800(11)(b), F.A.C.] [40 CFR 63.146 and 63.147]	Maintain records of information specified in "Compliance Testing/Demonstration Requirement(s)" Column.
Section T EU 066	Higher Amines and 72" Batch Column Group 2 MON Transfer Rack	This transfer rack is limited to loading no more than 0.65 million liters/year of liquids that contain organic HAP with a rack-weighted average partialpressure, as defined in Sec. 63.111, greater than or equal to 1.5 pound per square inch absolute. [40 CFR 63.2550(i)-definition of "Group 2 Transfer Rack"]	N.A.	Submit compliance report containing the information specified in § 63.2520(e). Report to be submitted semiannually according to the requirements in § 63.2520(b).
Section U EU 060	Methylamines Plant No. 4 Gas-Fired Heater	The maximum allowable operating rate of the Methylamines Plant 4 Gas-Fired Heater is 10 MM Btu/hr.	The gas-fired heater heat capacity will be calculated from the measured flow of natural gas to the heater and the average higher heating value of natural gas.	The Permittee shall maintain records of operation. The annual gas-fired heater heat capacity will be calculated on a semi-annual basis as the sum of the previous 12 months total measured flow of natural gas to the heater and the average higher heating value of natural gas. [62-213.440(1), F.A.C.]
Section U EU 060	Methylamines Plant No. 4 Gas-Fired Heater	Visible emissions shall be less than 20% at all times. [62-296.320(4)(b), F.A.C.]	EPA Method 9 testing shall be conducted once during permit term at 90 to 100 percent of the maximum design firing rate of 10 million Btu per hour. The test shall be performed within the final twelve months of the permit term. [62-297(7)(a)3, F.A.C.]	Results of testing reported to the Department within 45 days after testing and must contain, at a minimum, information required in [62-297.310(8), F.A.C.].
Section U EU 060	Methylamines Plant No. 4 Gas-Fired Heater	Permittee shall conduct an annual tune-up of the boiler. [62-204.800(11)(b), F.A.C.] [40 CFR 63.7540(a)(10)] [Table 3 (Item 3) to Subpart DDDDD of part 63]	Permittee shall perform tune-ups according to the criteria specified in 40 CFR 63.7540(a)(10)(i) through (v). [62-204.800(11)(b), F.A.C.] [40 CFR 63.7540(a)(10)]	Maintain and submit, if requested by the Administrator, an annual report containing the information in 40 CFR 63.7540(a)(10)(vi)(A) through (C). [62-204.800(11)(b), F.A.C.] [40 CFR 63.7540(a)(10)(vi)]
Section U EU 060	Methylamines Plant No. 4 Gas-Fired Heater	Permittee shall conduct a one-time energy assessment. [62-204.800(11)(b), F.A.C.] [Table 3 (Item 4) to Subpart DDDDD of part 63]	Energy assessment shall be performed by a qualified energy assessor and must include the items listed in 4(a) through (h) of Table 3 to Subpart DDDDD of part 63 but only to the extent of evaluation appropriate for the on-site technical hours listed in 40 CFR 63.7575. [62-204.800(11)(b), F.A.C.] [Table 3 (Item 4) to Subpart DDDDD of part 63] [40 CFR 63.7575]	Maintain records of information specified in "Compliance Testing/Demonstration Requirement(s)" Column and in accordance with 40 CFR 63.7560. [40 CFR 63.7560]

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SUMMARY OF APPLICABLE REQUIREMENTS AND COMPLIANCE PROCEDURES
TAMINCO US, LLC – TAMINCO PACE PLANT (Updates to Table are noted in red text)

Permit Section / EU No.	Description	Condition/Limitation	Compliance Testing/Demonstration Requirement(s)	Recordkeeping/ Reporting Requirement(s)
Section V EU 033	Methylamines Plant No. 4 Process Vents	The Permittee shall reduce emissions of organic hazardous air pollutants (i.e., chemicals listed in Table 2 of 40 CFR Part 60 Subpart F) using a vapor collection system and flare meeting the criteria of 40 CFR 63.11(b) [62-204.800(11)(b), F.A.C.] [40 CFR 63.113(a)(1)]	Intermittent organic hazardous air pollutant emissions from Methylamines Plant No. 4 Process Vents shall be vented to the Amines Plants Flare, which shall meet the general control device requirements of 40 CFR 63.11(b). Specific permit conditions applicable to the Amines Plants Flare are specified under EU 005 in this permit. [62-204.800(11)(b), F.A.C.] [40 CFR 63.113(a)(1)]	Continuous records of flare operation shall be maintained and periodic reports on flare operation shall be submitted (see "Amines Plant Flare"). [62-204.800(11)(b), F.A.C.] [40 CFR 63.118] [40 CFR 63.152(c)(4)]
Section V EU 033	Methylamines Plant No. 4 Process Vents	After the compliance date specified in 40 CFR 63.100 of subpart F of this part, a Group 1 process vent that is also subject to the provisions of 40 CFR part 60, subpart NNN is required only to comply with the provisions of this subpart [G]. [40 CFR 63.110(d)(4)]	Intermittent organic hazardous air pollutant emissions from Methylamines Plant No. 4 Process Vents shall be vented to the Amines Plants Flare, which shall meet the general control device requirements of 40 CFR 63.11(b). Specific permit conditions applicable to the Amines Plants Flare are specified elsewhere in this permit. [62-204.800(11)(b), F.A.C.] [40 CFR 63.113(a)(1)]	Continuous records of flare operation shall be maintained and periodic reports on flare operation shall be submitted (see "Amines Plant Flare"). [62-204.800(11)(b), F.A.C.] [40 CFR 63.118] [40 CFR 63.152(c)(4)]
Section V EU 033	Methylamines Plant No. 4 Process Vents	After the compliance date specified in 40 CFR 63.100 of subpart F of this part, a Group 1 process vent that is also subject to the provisions of 40 CFR part 60, subpart RRR is required only to comply with the provisions of this subpart [G]. [40 CFR 63.110(d)(4)]	Intermittent organic hazardous air pollutant emissions from Methylamines Plant No. 4 Process Vents shall be vented to the Amines Plants Flare, which shall meet the general control device requirements of 40 CFR 63.11(b). Specific permit conditions applicable to the Amines Plants Flare are specified elsewhere in this permit. [62-204.800(11)(b), F.A.C.] [40 CFR 63.113(a)(1)]	Continuous records of flare operation shall be maintained and periodic reports on flare operation shall be submitted (see "Amines Plant Flare"). [62-204.800(11)(b), F.A.C.] [40 CFR 63.118] [40 CFR 63.152(c)(4)]

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Permit Section / EU No.	Description	Condition/Limitation	Compliance Testing/Demonstration Requirement(s)	Recordkeeping/ Reporting Requirement(s)
Section W EU 034	Methylamines Plant No. 4 Wastewater No.4 Dehydration Column Bottoms)	The Permittee shall comply with requirements set forth in 40 CFR 63.132(a)(1) through (a)(3), which requires that the Permittee determine whether a wastewater emission source is a Group 1 or Group 2 stream. For Group 2 streams, the Permittee shall comply with the recordkeeping requirements of 40 CFR 63.146. [62-204.800(11)(b), F.A.C.] [40 CFR 63.132(a)]	If the Permittee uses process knowledge to determine the annual average concentration of a wastewater stream and/or the annual average flowrate used to determine that a wastewater stream is not a Group 1 stream, the Permittee shall keep in a readily accessible location the documentation of how process knowledge was used. [62-204.800(11)(b), F.A.C.] [40 CFR 63.147]	Maintain records of information specified in "Compliance Testing/ Demonstration Requirement(s)" Column.
Section X EU 035	Methylamines Plant No. 4 HON Maintenance Wastewater	The Permittee shall maintain a description of maintenance procedures for management of wastewaters containing those organic HAPs listed in Table 9 of 40 CFR 63 Subpart G which are generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair (i.e., a maintenance-turnaround) and during periods which are not shutdown (i.e., routine maintenance). The descriptions shall: (1) specify the process equipment or maintenance tasks that are anticipated to create wastewater during maintenance activities, (2) specify procedures that will be followed to properly manage the wastewater and control organic HAP emissions to the atmosphere, and (3) specify the procedures to be followed when clearing materials from process equipment. The Permittee shall modify and update the maintenance procedures as needed. [62-204.800(11)(b), F.A.C.] [40 CFR 63.105(b) and (c)]	See requirements specified in "Compliance Testing/Demonstration Requirement(s)" column.	The Permittee shall maintain a record of the required information as part of the startup, shutdown, and malfunction plan required under 40 CFR 63.6(e)(3). Plans shall be maintained and kept readily available for inspection for the life of the source, or until 40 CFR Part 63 standards no longer apply to the source. No notification or periodic reporting of maintenance wastewater activities is required. [62-204.800(8)(d) and (11)(b), F.A.C.] [40 CFR 63.105(d) and 63.6(e)(3)]
Section Y EU 036	Methylamines Plant No. 1 and No. 4 HON Equipment Leaks	Pumps. The Permittee shall meet the criteria set forth in 40 CFR 63.163 for pumps in light liquid service that have been designated by the Permittee to be in organic hazardous air pollutant light liquid service for 300 or more hours per year. [62- 204. 800(11)(b), F.A. C.] [40 CFR 63.163]	In order to comply with the requirements of 40 CFR 63.163, the Permittee shall either: (1) Comply with the Phase III leak detection and repair requirements specified in 40 CFR 63.163, or (2) Alternately, the Permittee may comply with the requirements specified in 40 CFR 63.163 using methods specified in 40 CFR 63.163(e), (f), or (g). [62- 204. 800(11)(b), F.A. C.] [40 CFR 63.163]	If the Permittee elects to demonstrate compliance with the requirements of 40 CFR 63.163 by implementing a leak detection and repair program, records shall be maintained in accordance with 40 CFR 63.181(b)(1)(i),(b)(7), (c), (d), and if a quality improvement plan is implemented, records required under paragraph (h) shall also be maintained. If the Permittee elects to demonstrate compliance using methods specified in 40 CFR 63.163(e), (f), or (g), other relevant records specified in 40 CFR 63.163 shall be maintained. Periodic reports containing relevant information specified in 40 CFR 63.182(d) shall be submitted to the Department. [62- 204. 800(11)(b), F.A. C.] [40 CFR 63.181 and 63.182]

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Permit Section / EU No.	Description	Condition/Limitation	Compliance Testing/Demonstration Requirement(s)	Recordkeeping/ Reporting Requirement(s)
Section Y EU 036	Methylamines Plant No. 1 and No. 4 HON Equipment Leaks	Pressure relief devices. The Permittee shall comply with the requirements set forth in 40 CFR 63.165 for pressure relief devices in gas/vapor service that have been designated by the Permittee to be in organic hazardous air pollutant gas/vapor service for 300 or more hours per year. Pressure relief devices that are routed to a process or fuel gas system are exempt. [62-204.800(11)(b), F.A.C.] [40 CFR 63.165]	After pressure releases from pressure relief valves that are not equipped with upstream rupture disks, the pressure relief device shall be returned to less than 500 ppmv above background, as confirmed by the method specified in 40 CFR 63.180(c), as soon as practicable, but no later than 5 days after the release. Any pressure relief device with an upstream rupture disk is exempt from monitoring, provided that in the event that a release ruptures the disk, the disk is replaced as soon as practicable, but no later than 5 days after the release. [62-204.800(11)(b), F.A.C.] [40 CFR 63.165] [40 CFR 63.180]	Records shall be maintained in accordance with 40 CFR 63.1 81(b)(1)(i), (b)(3), and (f). Periodic reports meeting the specifications of 40 CFR 63.182(d)(xiv) shall be submitted to the Department. [62-204.800(11)(b), F.A.C.] [40 CFR 63.181 and 63.182]
Section Y EU 036	Methylamines Plant No. 1 and No. 4 HON Equipment Leaks	Open-ended valves or lines. The Permittee shall comply with requirements set forth in 40 CFR 63.167 for open-ended lines that have been designated by the Permittee to be in organic hazardous air pollutant service for 300 or more hours per year. [62-204.800(11)(b), F.A.C.] [40 CFR 63.167]	Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except for open-ended valves specified in 40 CFR 63.167(d) and (e), which are exempt. The Permittee shall also comply with work and operating practices specified in 40 CFR 63. 167(a)(2), (b), and (c). [62-204.800(11)(b), F.A.C.] [40 CFR 63.167]	The Permittee shall maintain records specified in 40 CFR 63.181 (b)(1)(i) and no periodic reporting shall be required under 40 CFR 63.182. Notwithstanding, Title V semi-annual progress reports shall be submitted that identify any instances of non-compliance and annual Title V compliance certification reports must certify whether or not compliance with applicable requirements has been achieved [62-204.800(11)(b), F.A.C.][40 CFR 63.181 and 63.182]
Section Y EU 036	Methylamines Plant No. 1 and No. 4 HON Equipment Leaks	Valves. The Permittee shall comply with Phase III leak detection and repair criteria set forth in 40 CFR 63.168 for valves in light liquid and gas service that have been designated by the Permittee to be in organic hazardous air pollutant light liquid/gas service for 300 or more hours per year. [62-204.800(11)(b), F.A.C.] [40 CFR 63.168]	The Permittee shall inspect and repair valves according to the criteria specified in 40 CFR 63.168. [62-204.800(11)(b), F.A.C.] [40 CFR 63.168] [40 CFR 63.180]	Records shall be maintained in accordance with 40 CFR 63.181(b)(1)(i) and (ii), (b)(7), (d), and if a quality improvement plan is implemented, records required under paragraph (i) shall also be required. Periodic reports containing relevant information specified in 40 CFR 63.182(d) shall be submitted to the Department. [62-204.800(11)(b), F.A.C.] [40 CFR 63.181 and 63.182]
Section Y EU 036	Methylamines Plant No. 1 and No. 4 HON Equipment Leaks	Connectors. The Permittee shall comply with Phase III leak detection and repair criteria set forth in 40 CFR 63.174 for connectors in light liquid and gas service that have been designated by the Permittee to be in organic hazardous air pollutant light liquid/gas service for 300 or more hours per year. [62-204.800(11)(b), F.A.C.] [40 CFR 63.174]	The Permittee shall inspect and repair connectors according to the criteria specified in 40 CFR 63.174. [62-204.800(11)(b), F.A.C.] [40 CFR 63.174]	Records shall be maintained in accordance with 40 CFR 63.181(b)(1)(i) and (ii), (b)(5), (b)(7), and (d). Periodic reports containing relevant information specified in 40 CFR 63.182(d) shall be submitted to the Department. [62-204.800(11)(b), F.A.C.] [40 CFR 63.181 and 63.182]

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Permit Section / EU No.	Description	Condition/Limitation	Compliance Testing/Demonstration Requirement(s)	Recordkeeping/ Reporting Requirement(s)
Section Y EU 036	Methylamines Plant No. 1 and No. 4 HON Equipment Leaks	Sampling Points. The Permittee shall meet the criteria set forth in 40 CFR 63.166 for sampling points in organic hazardous service that have been designated by the Permittee to be in organic hazardous air pollutant service for 300 or more hours per year. [62-204.800(11)(b), F.A.C.] [40 CFR 63.166]	Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system. Gases displaced during filling of the sample container are not required to be collected or captured. Each sampling system shall meet one of the specifications specified in 40 CFR 63.166(b). [62-204.800(11)(b), F.A.C.][40 CFR 63.166]	The Permittee shall maintain records specified in 40 CFR 63.181(b)(1)(i) and no periodic reporting shall be required. [62-204.800(11)(b), F.A.C.][40 CFR 63.181]
Section Z EU 037	Methylamines Plant No. 4 VOC Equipment Leaks	Pressure relief devices. The Permittee shall comply with the requirements set forth in 40 CFR 63.165 for pressure relief devices in gas/vapor service. The Permittee shall comply with the requirements set forth in 40 CFR 63.169 for pressure relief devices in light liquid service. Pressure relief devices that are routed to a process or fuel gas system are exempt. [Rule 62-204.800 (11)(b), F.A.C.; 40 CFR 63.165 and 63.169]	Pressure relief devices. After pressure releases from pressure relief valves, the pressure relief device shall be returned to less than 500 ppmv above background, as confirmed by the method specified in 40 CFR 63.180(c), as soon as practicable, but no later than 5 days after the release. [Rule 62-204.800 (11)(b), F.A.C.; 40 CFR 63.165 and 63.180(c)]	Records shall be maintained in accordance with 40 CFR 63.181(b)(1)(i), 63.181(b)(3), and 63.181(d). Periodic reports containing relevant information specified in 40 CFR 63.182(d) shall be submitted to the Department. [Rule 62-204.800 (11)(b), F.A.C.; 40 CFR 63.181 and 63.182(d)]

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Permit Section / EU No.	Description	Condition/Limitation	Compliance Testing/Demonstration Requirement(s)	Recordkeeping/ Reporting Requirement(s)
Section Z EU 037	Methylamines Plant No. 4 VOC Equipment Leaks	Open-ended valves or lines. The Permittee shall comply with requirements set forth in 40 CFR 63.167 for open-ended lines that have been designated by the Permittee to be in organic hazardous air pollutant service for 300 or more hours per year. [Rule 62-204.800 (11)(b), F.A.C.; 40 CFR 63.167]	Open-ended valves or lines. Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve. The Permittee shall also comply with work and operating practices specified in 40 CFR 63.167(a)(2), (b) and (c). [Rule 62-204.800 (11)(b), F.A.C.; 40 CFR63.167(a)(2), (b) and (c)]	Valves. Records shall be maintained in accordance with 40 CFR 63.181(b)(1)(i and ii), and 63.181(d). Records shall also be maintained in accordance with 40 CFR 63.181(b)(7 and 8) for every valve subject to the requirements of § 60.482-7(g) and (h). Periodic reports containing relevant information specified in 40 CFR 60.487(c) shall be submitted to the Department. [Rule 62-204.800 (11)(b), F.A.C.; 40 CFR 60.486]
Section Z EU 037	Methylamines Plant No. 4 VOC Equipment Leaks	Valves. The Permittee shall comply with the requirements set forth in 40 CFR 60.482-7 for valves in light liquid or gas/vapor service. [Rule 62-204.800 (11)(b) F.A.C.; 40 CFR 63.168]	Valves. The Permittee shall inspect and repair valves in light liquid or gas/vapor service according to the criteria specified in 40 CFR 63.168. [Rule 62-204.800 (11)(b), F.A.C.; 40 CFR 63.168]	Valves. Records shall be maintained in accordance with 40 CFR63.181(b)(1)(i and ii). Records shall also be maintained in accordance with 40 CFR 63.181 (7 and 8) for every valve subject to the requirements of §63.168(g and h). Periodic reports containing relevant information specified in 40 CFR 63.182(d) shall be submitted to the Department. [Rule 62-204.800 (11)(b), F.A.C.; 40 CFR63.168, 63.181, 63.182(d)]
Section Z EU 037	Methylamines Plant No. 4 VOC Equipment Leaks	Flanges and Connectors. The Permittee shall comply with the requirements set forth in 40 CFR 63.174 for flanges and connectors. [Rule 62-204.800 (11)(b), F.A.C.; 40 CFR 63.174]	Connectors. The Permittee shall inspect and repair connectors according to the criteria specified in 40 CFR 63.174. [Rule 62-204.800 (11)(b), F.A.C.; 40 CFR63.174]	Records shall be maintained in accordance with 40 CFR 60.486a(b)(1) and (c). Semiannual reports containing relevant information specified in 40 CFR 60.487a(c) shall be submitted to the Department. [Rule 62-204.800(8)(b)(54), F.A.C., and 40 CFR 60.486a]
Section Z EU 037	Methylamines Plant No. 4 VOC Equipment Leaks	Sampling Points. The Permittee shall meet the criteria set forth in 40 CFR 63.166 for sampling points. [Rule 62-204.800 (11)(b), F.A.C.; 40 CFR63.166]	Sampling Points. Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system. Each sampling system shall meet one of the specifications specified in 40 CFR 63.166(b). [Rule 62-204.800(11)(b), F.A.C.; 40 CFR63.166]	

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Permit Section / EU No.	Description	Condition/Limitation	Compliance Testing/Demonstration Requirement(s)	Recordkeeping/ Reporting Requirement(s)
Section Z EU 037	Methylamines Plant No. 4 VOC Equipment Leaks		Testing. The owner or operator shall test each piece of equipment in accordance with 60.485a(d) unless he demonstrates that a process unit is not in VOC service, i.e., that the VOC content would never be reasonably expected to exceed 10 percent by weight. [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.486a(d)] Testing. The owner or operator shall demonstrate that a piece of equipment is in light liquid service by demonstrating that the conditions in 60.485a(e) apply. [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.486a(e)] (f) Samples used in conjunction with 60.486a(d), (e), and (g) shall be representative of the process fluid that is contained in or contacts the equipment or the gas being combusted in the flare. [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.486a(f)]	Components Not in VOC Service. The Permittee shall maintain records specified in 40 CFR 60.486a(i and j) for any equipment considered not in VOC service. [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.486a(and j)] Performance Test Reporting. The Permittee shall report the results of all performance tests in accordance with 40 CFR 63.182(c)s. [Rule 62-204.800(11)(b), F.A.C.; 40 CFR 63.182(c)]
Section AA EU 070	Higher Amines Plant Process Vents	Permittee shall determine the total resource effectiveness (TRE) index value as specified in 40 CFR 63.115(d) for each continuous process vent. The higher amines process vents shall maintain a TRE index of greater than five for Group 2 status per 63.2455(b). [62-204.800(11)(b), F.A.C.] [40 CFR63.115(d)] [40 CFR 63.2455(b)]	Permittee shall re-calculate the TRE index value, flow or organic hazardous air pollutants concentration for each process vent, as necessary to determine whether the vent is Group 1 or Group 2, whenever process changes are made that could reasonably be expected to change the vent to a Group 1 vent. [62-204.800(11)(b), F.A.C.] [40 CFR 63.115(e)]	Permittee shall keep records of any process changes as defined in 40 CFR 63.115(e) and any recalculation of TRE index value pursuant to 40 CFR 63.115(e).[62-204.800(11)(b), F.A.C.] [40 CFR 63.118(c)] The Permittee shall maintain records and submit periodic reports. [62-204.800(11)(b), F.A.C.] [40 CFR 63.2520 and 63.2525(a)]

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Section BB EU 071	Higher Amines/DIMLA MON Maintenance Wastewater	The Permittee shall prepare a description of maintenance procedures for management of wastewaters containing those organic HAPs listed in Table 8 or Table 9 of 40 CFR Part 63 Subpart FFFF which are generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair (i.e., a maintenance-turnaround) and during periods which are not shutdown (i.e., routine maintenance). The descriptions shall: (1) specify the process equipment or maintenance tasks that are anticipated to create wastewater during maintenance activities, (2) specify procedures that will be followed to properly manage the wastewater and control organic HAP emissions to the atmosphere, and (3) specify the procedures to be followed when clearing materials from process equipment. The Permittee shall modify and update the maintenance procedures as needed. [62-204.800(11)(b), F.A.C.] [40 CFR 63.105(b) referenced by 40 CFR 63.2485(a) and (b)]	The Permittee shall maintain a record of the required information as part of the startup, shutdown, and malfunction plan required under 40 CFR 63.6(e)(3). Plans shall be maintained and kept readily available for inspection for the life of the source, or until 40 CFR Part 63 standards no longer apply to the source. No notification or periodic reporting of maintenance wastewater activities is required. [62-204.800(11)(b), F.A.C.] [40 CFR 63.105(d) referenced by 40 CFR 63.2485(a) and (b)]]	See requirements specified in "Compliance Testing/Demonstration Requirement(s)" column.
Section CC EU 072	Higher Amines / DIMLA MON Wastewater	Permittee shall comply with the requirements in 63.132 through 63.148 and the requirements referenced therein, except as specified in 63.2485. The compounds in table 8 and 9 of Subpart FFFF apply. Permittee shall comply with the requirements in 40 CFR 63.132(a)(1) through (a)(3), except as specified in 63.2485(c), which requires that Permittee determine whether each wastewater stream is Group 1 or Group 2 stream. For Group 2 streams, Permittee shall comply with recordkeeping requirements of 40 CFR 63.1467(b)(8)(i) through (iv). [62-204.800(11)(b), F.A.C.] [40 CFR 63.2485]	Maintain records of information specified in "Condition/Limitation" Column.	Permittee shall maintain records of all Group 1/Group 2 determinations, and the Notification of Compliance Status available for Department inspection. [62-204.800(11)(b), F.A.C.] [40 CFR 63.152(f) and 40 CFR 63.2485]

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Permit Section / EU No.	Description	Condition/Limitation	Compliance Testing/Demonstration Requirement(s)	Recordkeeping/ Reporting Requirement(s)
Section DD EU 073	Higher Amines and 72" Batch Column Group 1 MON Storage Tanks (D-67116K, D-68102, D-68103, D-68106A, D-68106B, D-68109, D-68113, D-69101A, D-69101B, D-69101C, D-69101D, D-69102)	Permittee shall reduce total organic HAP emissions by venting emissions through a closed vent system to a flare for all Group 1 MON storage tanks. [62-204.800(11)(b), F.A.C.] [40 CFR 63.132(a) and (c)] [40 CFR 63.2470] [40 CFR 63 Subpart FFFF Table 4(1)(b)(iii)]	(See "Amines Plant Flare")	Continuous records of flare operation shall be maintained and periodic reports on flare operation shall be submitted (see "Amines Plant Flare").
Section EE EU 074	Sitewide MON Heat Exchangers	All sitewide heat exchange systems not meeting the conditions specified in 40 CFR 63.104(a)(1) through (6), shall be monitored by (a) inspecting the cooling water for the presence of one or more organic HAPs or other representative substance whose presence in cooling water indicates a leak as specified in 40 CFR 63.104(b)(1) through (6); or by using a surrogate indicator of heat exchanger system leaks as specified in 40 CFR 63.104(c)(1) through (3). [62-204.800(11)(b), F.A.C.] [40 CFR 63.104(a), (b), and (c)]	Any leaks that are detected shall be repaired as soon as practical but not later than 45 days after the Permittee receives results of monitoring tests indicating a leak. After repair, the Permittee shall confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Repairs may be delayed beyond 45 days if the criteria specified in 40 CFR 63.104(e) are met. [62-204.800(11)(b), F.A.C.] [40 CFR 63.104(d) and (e)]	Beginning April 22, 1999, the Permittee shall maintain records of required monitoring, leaks detected, the dates of efforts to repair leaks, and the method or procedures used to confirm repair of a leak and the date the repair was confirmed. Periodic reports are required only if the Permittee invokes the delay of repair. Periodic reports shall include information required by 40 CFR63.104(f)(2). [62-204.800(11)(b), F.A.C.] [40 CFR 63.104(f)]
Section HH EU 078	DIMLA VOC Equipment Leaks	Pressure relief devices. The Permittee shall comply with the requirements set forth in 40 CFR 60.482-4a for pressure relief devices in gas/vapor service. The Permittee shall comply with the requirements set forth in 40 CFR 482-8a for pressure relief devices in light liquid service. Pressure relief devices that are routed to a process or fuel gas system are exempt. [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.482-4a]]	Pressure relief devices. After pressure releases from pressure relief valves, the pressure relief device shall be returned to less than 500 ppmv above background, as confirmed by the method specified in 40 CFR 60.485a, as soon as practicable, but no later than 5 days after the release. [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.482-4a(b) and 60.485a]	Records shall be maintained in accordance with 40 CFR486a(b)(1) and (c). Periodic reports containing relevant information specified in 40 CFR 60.487a(c) shall be submitted to the Department. [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.486a]]

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Section HH EU 078	DIMLA VOC Equipment Leaks	Open-ended valves or lines. The Permittee shall comply with requirements set forth in 40 CFR 60.482-6a for open-ended lines that have been designated by the Permittee to be in organic hazardous air pollutant service for 300 or more hours per year. [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.482-6a]	Open-ended valves or lines. Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve. The Permittee shall also comply with work and operating practices specified in 40 CFR 60.482-6a(a)(2), (b), and (c). [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.482-6a]	Valves. accordance with 40 CFR 60.486a(b)(1) and (c). Records shall also be maintained in accordance with 40 CFR 60.486a(f) for every valve subject to the requirements of § 60.482-7a(g) and (h). Periodic reports containing relevant information specified in 40 CFR 60.487a(c) shall be submitted to the Department. [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.486a]
Section HH EU 078	DIMLA VOC Equipment Leaks	Valves. The Permittee shall comply with the requirements set forth in 40 CFR 60.482-7a for valves in light liquid or gas/vapor service. [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.482-7a]	Valves. The Permittee shall inspect and repair valves in light liquid or gas/vapor service according to the criteria specified in 40 CFR 60.482-7a. The Permittee may elect to reduce the frequency of inspection in accordance with 40 CFR 60.483-2a(b) after providing the Department with the appropriate notification as defined in 40 CFR 60.483-2a(a) and 487a(b). The Permittee shall inspect and repair valves in heavy liquid service according to the criteria specified in 40 CFR 60.482-8a [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.482-7a, 60.482-8a and 60.483-2a]	Valves. Records shall be maintained in accordance with 40 CFR 60.486a(b)(1) and (c). Records shall also be maintained in accordance with 40 CFR 60.486a(f) for every valve subject to the requirements of § 60.482-7a(g) and (h). Periodic reports containing relevant information specified in 40 CFR 60.487a(c) shall be submitted to the Department. [Rule 62-204.800(8)(b)(54) F.A.C.; 40 CFR 60.486a]
Section HH EU 078	DIMLA VOC Equipment Leaks	Flanges and Connectors. The Permittee shall comply with the requirements set forth in 40 CFR 60.482-8a for flanges and connectors. [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.482-8a]	Connectors. The Permittee shall inspect and repair connectors according to the criteria specified in 40 CFR 60.482-8a. [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR60.482-8a]	Connectors Records shall be maintained in accordance with 40 CFR 60.486a(b)(1) and (c). Periodic reports containing relevant information specified in 40 CFR 60.487a(c) shall be submitted to the Department. [Rule 62-204.800(8)(b)(54) F.A.C.; 40 CFR 60.486a]
Section HH EU 078	DIMLA VOC Equipment Leaks	Sampling Points. The Permittee shall meet the criteria set forth in 40 CFR 60.482-5a for sampling points. [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.482-5a]	Sampling Points. Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system. Each sampling system shall meet one of the specifications specified in 40 CFR 60.482-5a(b). [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR60.482-5a]	

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Section HH EU 078	DIMLA VOC Equipment Leaks			Recordkeeping Requirements for All Equipment in VOC Service. Records shall be maintained for all equipment subject to 40 CFR 60.482-1a to 482-10a in accordance with the requirements of 40 CFR 60.486a(e). [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.486a] Components Not in VOC Service. The Permittee shall maintain records specified in 40 CFR 60.486a(j) for any equipment considered not in VOC service. [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.486a] Semiannual Reporting. The Permittee shall submit reports on a semi-annual basis to the Department in accordance with the requirements of 40 CFR 60.487a. [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.487a] Performance Test Reporting. The Permittee shall report the results of all performance tests in accordance with 40 CFR 60.8. The provisions of 40 CFR 60.8(d) do not apply to affected facilities subject to the provisions of this subpart except that an owner or operator must notify the Administrator of the schedule for the initial performance tests at least 30 days before the initial performance tests. [Rule 62-204.800(8)(b)(54), F.A.C.; 40 CFR 60.487a]

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Section II EU 079	DIMLA Scrubber	The DIMLA scrubber shall be operated with a minimum water flow of 1 GPM based on a 24-hr block average [midnight to midnight], excluding periods of non-operation of the source. [F.A.C.; Rules 62-210.200PTE and 62-4.070(3)]	Bypass Monitoring: Except for equipment needed for safety purposes such as pressure relief devices, low leg drains, high point bleeds, analyzer vents, and open-ended valves or lines, the owner or operator shall comply with one of the follow for each closed vent system that contains bypass lines that could divert a vent stream to the atmosphere: (1) Properly install, maintain, and operate a flow indicator that is capable of taking readings at least once every 15 minutes. The flow indicator shall be installed at the entrance to any bypass line. [40 CFR 63.983(a)(3)(i) abd (b)(4)(i), referenced by 40 CFR 63.2450(e) via 63.982(c)] (2) Secure the bypass line valve in the non-diverting position with a car-seal or lock-and-key type configuration and visually inspect the seal or closure mechanism at least monthly to verify that the valve is maintained in the non-diverting position, and the vent stream is not diverted through the bypass line. [40 CFR 63.983(a)(3)(ii) and (b)(4)(ii), referenced by 40 CFR CFR 63.2450(e) via 63.982(c)]	Bypass monitoring records: The Permittee shall maintain the records specified in 40 CFR 63.998(d)(1)(ii)A or B, as appropriate to document that the DIMLA scrubber is not bypassed. [40 CFR 63.983(a)(3), referenced by 40 CFR 63.2450(e) via 63.982(c)]
Section II EU 079	DIMLA Scrubber		Leak Monitoring: The piping from the DIMLA Purification Tower overhead vacuum system to the DIMLA scrubber shall be inspected in accordance with Method 21 of 40 CFR Part 60, appendix A, initially, and then annually using sensory means as specified in 40 CFR 63.983(b) and (c). If there is visible, audible, or olfactory indications of leaks at the time of the annual visual inspections, the leaks will be repaired and monitored as specified in 40 CFR 63.983(d). [40 CFR 63.982(c) referenced by 40 CFR 63.2450(e)]	Leak Repair Records: The Permittee shall maintain leak detection and repair records for the piping connecting the DIMLA Purification Tower overhead vacuum system discharge to the DIMLA Scrubber as specified in 40 CFR 63.998(d)(1)(iii)(A)-(F). These records shall be maintained for five years. [40 CFR 983(a)(3), referenced by 40 CFR 63.2450(e) via 63.982(c)]

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Section LL EU080	Five Emergency Reciprocating Internal Combustion Engines (RICE)[a]	Hours of Operation. Operate for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Limit maintenance checks and readiness testing to 100 hours per year. Operate up to 50 hours per year in non-emergency situations, but count those 50 hours towards the 100 hours per year provided for maintenance and testing per 40 CFR 63.6640(f)(2) and (3). For owners and operators of emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year is prohibited. [[40 CFR 60.4243(d) and 62-210.200(PTE), F.A.C.]	Install a non-resettable hour meter. [40 CFR 63.6625(f)] Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6602 and 63.6625(h)]	Keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. Document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. [40 CFR 63.6655(f)]

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Section LL EU080	Five Emergency Reciprocating Internal Combustion Engines[a]	Emission Limits and Standards: Comply with the applicable emission limitations and operating limitations in Table 2C to 40 CFR Subpart ZZZZ which apply to emergency stationary CI RICE. • Change oil and filter every 500 hours of operation or annually, whichever comes first. • Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first. • Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. • Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6602]	NA	Keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE Keep records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment (if any) Keep records of all required maintenance performed on the air pollution control and monitoring equipment Keep records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.6655(a)(2, 4, and 5) and 63.6655(e) and (f)] Report each instance in which you did not meet each operating limitation in Table 2c. [63.6640(b), 63.6650]

Notes: In the case of conflict between this table and the permit, the permit shall take precedence over the table

[a] Five Emergency Reciprocating Internal Combustion Engines: B-area emergency fire water pump and No. 2 well water pump (each at 234 hp), plant emergency generator (330 hp), north foxtrot (380 hp), and south foxtrot (340 hp)]