Appendix I-1: List of Insignificant Emissions Units and/or Activities.

Taminco Inc. **FINAL Title V Operation Permit No.:** 1130004-018-AV
Taminco Pace Plant **Facility ID No.:** 1130004

The facilities, emissions units, or pollutant-emitting activities listed in Rule 62-210.300(3)(a), F.A.C., Categorical Exemptions, are exempt from the permitting requirements of Chapters 62-210 and 62-4, F.A.C.; provided, however, that exempt emissions units shall be subject to any applicable emission limiting standards and the emissions from exempt emissions units or activities shall be considered in determining the potential emissions of the facility containing such emissions units. Emissions units and pollutant-emitting activities exempt from permitting under Rule 62-210.300(3)(a), F.A.C., shall not be exempt from the permitting requirements of Chapter 62-213, F.A.C., if they are contained within a Title V source; however, such emissions units and activities shall be considered insignificant for Title V purposes provided they also meet the criteria of Rule 62-213.430(6)(b), F.A.C. No emissions unit shall be entitled to an exemption from permitting under Rule 62.210.300(3)(a), F.A.C., if its emissions, in combination with the emissions of other units and activities at the facility, would cause the facility to emit or have the potential to emit any pollutant in such amount as to make the facility a Title V source.

The below listed emissions units and/or activities are considered insignificant pursuant to Rule 62-213.430(6), F.A.C.

Brief Description of Emissions Units and/or Activities:

Boilers	**Justification of Status**
Fugitives • Emissions from equipment leaks in the boilers area	• No regulated pollutants
Soot blowing • Emissions from boiler soot blowing	• Covered under Facility Requirement Rule 62-210.700(3), F.A.C.

Methylamines #1 and Urea-Related Products and Methylamines #4	
Vent Scrubber • Vent from T-67123 to the flare	• Product recovery device, no applicable requirements
Acetic Acid Scrubber • Vent from T-67125 used to control odors during preparation of equipment for safe maintenance.	• Emissions below threshold and no applicable requirements
Methylamines #1 and #4 Non-HON Maintenance wastewater • Fluids drained from non-methanol containing process equipment during preparation for mechanical work.	• Covered by Rule 62-210.700, F.A.C. Includes methanol storage area.
Methylamines #1 and Urea-Related Products and Methylamines #4 (continued)	
Methylamines #1 and #4 Loading • Methylamines loading is closed dome	• Very low emissions and no regulations
Methylamines #4 Check Tanks • D-67019B, D-67024A, D-67025A, B	• Very low emissions and no regulations. Emissions routed to absorber then flare
#4 Plant Steam Eductor • Used to evacuate lines, condensate flows to Low Pressure Adsorber	• Low emissions, no regulations
DMU Startup Vent • Vent stream from D-67604 during DMU Startup	• No emissions to air
Railcar Cleaning	• Very low emissions and no regulations, routed to flare

Higher Amines and Batch Still	Justification of Status
Higher Amines Storage Tanks • D-67116F, G, J, L, N, P, T • D-68201; D-68202, D-68206; D-68209; D-68211 • D-68213; D-68214; TK-69102	• No direct emissions. All vent to the flare except for D-68102 which vents to a scrubber and then flare, no applicable requirements
Non-Product Tanks • D-68101; D-68121A,B; D-68122A,B; D-68123 • TK-68100; D-24109	• Low emissions, no applicable requirements. D-68101 vents to scrubber then flare.
Low Pressure Adsorber (T-68104) Vent to Flare	• No direct emissions, no applicable requirements
High Pressure Adsorber (T-68106) Vent to Flare	• No direct emissions, no applicable requirements
Gas Chromatograph	• Low emissions, no applicable requirements
Higher Amines Non-HON Maintenance Waste Water • Fluids drained from equipment which is not in HAP service during preparation for mechanical work	• Covered by Rule 62-210.700, F.A.C.
Drum Cleaning • Emissions from rinsing or steaming RCRA empty drums formerly containing amines, oil, water treatment chemicals, MEK, MeOH, or dielectron blue solvent	• Low emissions and no applicable regulations
Railcar Cleaning	• Low emissions and no regulations, routed to flare

General Plant	Justification of Status
Wastewater Treatment Methanol Addition System • Use of methanol in Echo Pond or Equalization Basin to improve denitrification	• Emissions below threshold (200 lbs/yr).
Plant Grounds Maintenance • Includes lawn mowing, hedge trimming, weed eating, leaf blowing, tree trimming, etc., plus application of fertilizers, pesticides, herbicides, and fungicides.	• Trivial list
Degreasing • Soaking parts in low vapor pressure, non-halogenated solvent for degreasing in compliance with 62-213.420(3)(c)3.b.	• Covered by Rule 62-213.420(3)(c)3.b, F.A.C.
Amines Waste Treatment Tanks • D-68127 – uses acetic acid or carbon dioxide to increase flashpoint of mixture of water, ammonia, and various amines; D-68146.	• Does not meet the definition of a CMPU as listed in 40 CFR 63, vents to flare with low emissions, permitted by 40 CFR 262.34. No applicable air requirements.
Non-Product Tanks • D-67116E,I,M,Q,U; D-68140; D-68154; D-69140; D-30206A,B,D; D-24018; D-24108; D-24110; TK-11201; TK-15100; TK-15101; TK-24109.	• Low emissions, no applicable requirements. D-30206A,B,D are pressurized and vapors during loading/unloading are vented back to tanks.
Sandblasting • Abrasive blasting performed on equipment in the field using sand or grit; may be tarped but not totally enclosed	• No applicable requirements • Emissions below threshold.
Emergency Generators (6) • Diesel powered generators used to supply emergency electrical power.	• Less than 32,000 gal of fuel used as per FAC 62-210.300(3)(a)35.d

Construction Activities • Construction of buildings and structures using equipment ranging from hand tools to heavy equipment such as bulldozers and large cranes	• Trivial emissions
Cook Outs • Emissions from cooking out for recreational purposes; includes bar-b-q, fish fry and crawfish boils	• Trivial emissions
Unloading Sandblast Grit • Particulate emissions from sand/grit silo during unloading of new deliveries	• Low emissions and no regulations
Motor Vehicle Fuel Tanks (4) • Emissions from fuel tanks used to store motor vehicle fuel (gasoline and diesel).	• Low emissions and no regulations
Emergency Generator Fuel Tanks (6) • Emissions from tanks used to store diesel emergency generator fuel	• Low emissions and no regulations
Water Treatment Chemicals Storage and Use • Storage and use of water treatment chemicals (some containers may contain small amounts of VOC)	• No regulated pollutants
Bead Blasting • Totally enclosed shop sand blasting using equipment with filter	• No unconfined emissions
Steam Vents • Various vents used for venting excess steam	• No regulated pollutants
Indoor Fugitives • Use of cleaning supplies, office supplies, and storage of such materials in closed containers; copy machines	• Trivial list
Fire Training and Emergency Response • Emergency response and training using dry chemical extinguishers, CO2, water and simulated fires using propane as fuel.	• Covered by Rule 62-256.700(s), F.A.C.
Sulfuric Acid Tanks • Tanks used for storage of sulfuric acid for water treatment	• No regulated pollutants
Vehicle Maintenance • Maintenance on vehicles including oil changes, radiator flushing and parts cleaning	• Materials handled in closed containers
Laboratories • Fume hoods and other activities associated with quality control, environmental, and unit analytical labs located at control rooms	• Rule 62-210-300(3), F.A.C., exempts analytical laboratories
Product Development Laboratory • Croll-Reynolds Scrubber on DMA campaign (run in batch mode)	• DMA emissions to the air are negligible
Road Maintenance • Paving or patching with asphalt or grading dirt	• Trivial list
Materials Storage • Storage of VOC or HAP containing materials in closed containers	• Trivial list
Solvent Recycling Equipment • Totally enclosed equipment used for the small scale recycling/recovering or spent solvents	• Negligible emissions and no regulations
Fuel Loading/Unloading • Emissions from unloading fuel from trucks and from fueling vehicles	• Low emissions and no regulations

Oil Tank Vents • Vents from oil storage tanks	• Low emissions and no regulations
Oil Decanter • Decanter used to remove water from oil	• Low emissions and no regulations
Laboratory Vent Scrubber • Acetic acid scrubber used to control odors from the QC lab	• Low emissions and no regulations

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