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

St. Marks Powder, Inc. **Title V Operation Permit No.:** 1290003-017-AV
Facility ID No.: 1290003

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

1. Emissions associated with tray drying, pellet screening, and graphite bag loading
2. Emissions resulting from the limited operation of eight internal combustion engines, as follows:
    a. 300kW waste water plant emergency generator
    b. 122 hp waste water plant emergency blower
    c. Two wet line emergency generators, 425 kW and 450 kW
    d. Engine driven fire fighting pumps including 16.8 hp burning ground area, and three 235 hp central pump house pumps.
3. Process machinery hoods:
    a. A, B, C Lines deliquoring screens
    b. North, northeast and south Sweetie Barrels
4. Facility painting activities
5. Process building ventilation
6. Pneumatic propellant conveyors
7. Open burn unit: By RCRA permit, a maximum of 1,160 pounds per day of material can be treated. Emissions result from the following:
    a. Four propane torches on each of two flat pans. Torches are rated at 125,000 Btu/hr each.
    b. Energetic wastes (propellant powder, water and inert materials) up to 1,160 pounds per day.
    c. Propellant-contaminated paper, wood and plastic; 43 pounds every one to two months.
8. Milling of salt slurries for surface coating
    a. 2-propanol storage
    b. Ball mills (two)
    c. Storage of prepared coatings
9. Recirculated water solvent losses
10. Test range emissions
11. Laboratory solvent and reagent losses
12. Strong acid offloading, storing, and mixing
13. Petroleum storage tanks
    a. Tank 495-002, horizontal fixed roof, 2,500 gal (unleaded gasoline)
    b. Maintenance tank, horizontal fixed roof, 550 gal (diesel fuel)
    c. Tank 483-13, horizontal fixed roof, 550 gal (Distillate fuel oil No. 2)
    d. Tank 405-11, vertical fixed roof, 40,000 gal (No. 6 fuel oil)
14. Welding activities
15. Filter Cleaning Tanks (two)

16. Heavy Organic Material Storage Tanks (one at North Coater, one at South Coater; 50 gal each)
17. Chemical Decontamination of filter elements and equipment (solvent soak followed by caustic soak)
18. Venting of non-condensable gases from process vapor condensers.
19. Propellant grinding.

Insignificant Activities

- Application of fungicides, herbicides and pesticides
- Asbestos renovation and demolition
- Automobile/vehicle body shops associated with plant maintenance
- Brazing, soldering, welding associated with plant maintenance
- Degreasing of equipment associated with plant maintenance
- Equipment for steam cleaning or brushing dust off equipment
- Equipment used for office cleaning and maintenance, such as vacuum cleaner and floor waxing machines
- Fire fighting, security and safety operations including training
- Heating and ventilation
- Internal combustion engines used for transportation of materials or personnel
- Lab fume hoods, vents and activities
- Laboratories
- Laboratory vacuum pumps
- Laundry dryers, extractors or tumblers for fabrics cleaned with only water solutions of bleach or detergents.
- Lubrication of machinery with petroleum products
- Plant laundry facilities
- Portable space heaters
- Steam cleaning equipment
- Vehicle refueling and associated fuel storage
- Woodworking activities associated with plant maintenance

Trivial Insignificant Activities

- Air compressors and pneumatically operated tools and equipment
- Air conditioning units for human comfort
- Bathroom/toilet/port-a-john vent emissions
- Batteries and battery charging stations
- Bench scale laboratory equipment used for physical or chemical analysis.
- Boiler water treatment operations
- Brazing, soldering and welding, and cutting torches
- Combustion emissions from propulsion of mobile sources
- Covered used oil containers used for recycling
- De-aeration of water
- Dematerialized water tanks and demineralizer vents
- Environmental chambers
- Equipment used for quality control/assurance and inspection including sampling equipment used to withdraw material for analysis
- Fire suppression systems
- Grounds keeping and landscaping
- Hand held powered equipment and tools
- Hydraulic and hydrostatic testing equipment
- Hydraulic presses used for forging and metalwork
- Lunch rooms and break rooms
- Monitoring wells
- Natural gas pressure regulating vents
- Office equipment and products
- Picnic and barbeque area

- Plant maintenance, repair, upkeep, and janitorial activities
- Process water filtration and demineralization
- Routine calibration and maintenance of laboratory equipment or other analytical instruments.
- Steam leaks
- Steam vents and safety relief valves
- Storage tanks and pumping and handling equipment containing animal proteins, fats and nonvolatile aqueous salts.
- Storage tanks, vessels and containers holding or storing liquids that do not emit VOC or HAP
- Tobacco smoking areas
- Ventilation for human comfort
- Vents from on line monitors.