and other humanmade fibers, except glass (including SIC 282).

c. Soaps and detergents; specialty cleaning, polishing, and sanitation preparations; surface active preparations used as emulsifiers, wetting agents, and finishing agents, including sulfonated oils; perfumes, cosmetics, and other toilet preparations; glycerin made from vegetable and animal fats and oils (including SIC 284).

d. Paints (in paste and ready-mixed form), varnishes, lacquers, enamels, shellac, putties, wood fillers, and sealers, paint and varnish removers, paint brush cleaners, and allied paint products (including SIC 285).

e. Industrial organic chemicals (including SIC 286).

f. Nitrogenous fertilizers; phosphatic fertilizers; fertilizers, mixing only; pesticides; and other agricultural chemicals, not elsewhere classified (including SIC 287).

g. Industrial and household adhesives, glues, caulking compounds, sealants, and linoleum, tile, and rubber cements from vegetable, animal, or synthetic plastics materials (including SIC 2891).

h. Explosives (including SIC 2892).

i. Printing ink, including gravure, screen process, and lithographic ink, and carbon black (including SIC 2893 and 2895); and, due to the nature of manufacturing activities, EPA has included industrial facilities represented by SIC 3952 in this category, but only those primarily engaged in the manufacturing of ink and paints, including china painting enamels, india and drawing ink, platinum paints for burnt wood or

leather work, paints for china painting, artists' paints and artists' water colors.

*j.* Miscellaneous that are not in Sections a. through i. of this part, such as fatty acids, essential oils, nonvegetable gelatin, sizes, bluing, laundry sours, writing and stamp pad ink, industrial compounds, such as boiler and heat insulating compounds, metal, oil, and water treatment compounds, waterproofing compounds, and chemical supplies for foundries (including SIC 2899).

When an industrial facility, described by the above coverage provisions of this section, has industrial activities being conducted onsite that meet the description(s) of industrial activities in another section(s), that industrial facility shall comply with any and all applicable monitoring and pollution prevention plan requirements of the other section(s) in addition to all applicable requirements in this section. The monitoring and pollution prevention plan terms and conditions of this multi-sector permit are additive for industrial activities being conducted at the same industrial facility (co-located industrial activities). The operator of the facility shall determine which other monitoring and pollution prevention plan section(s) of this permit (if any) are applicable to the facility.

## 2. Pollutants Found in Storm Water Discharges

Water quality impacts caused by storm water discharges associated with an industrial activity from Chemical and Allied Products Manufacturing facilities are expected to vary depending on several factors. Such factors include the

geographic location and hydrology of the site, the type of manufacturing and/ or industrial activities, the amount and type of operations and material storage occurring outside, imperviousness of surfaces at the site, and the impact of a given precipitation event. In addition, sources of pollutants from non-storm water discharges such as washwaters from industrial areas, illicit connections, and spills may increase the pollutant loading to waters of the United States. Because there is wide variety of products and manufacturing activities in this sector of today's permit, EPA has subdivided the chemicals and allied products manufacturing industry into "subsectors."

Part 1 of the group application required a summary of industrial activities and the significant materials stored exposed to precipitation. This provided useful qualitative information to EPA, but information that is not possible to quantify reliably due to differences in terminology and thoroughness. For the summary of industrial activities, some participants reported their industrial activity as "manufacture of product X," rather than listing the components of that main activity. Other participants listed some or all general industrial actions, e.g., "shredding" or "wastewater treatment." (Products listed represent most of the industrial classifications which are subject to this section of today's permit). Table C.1. lists the general industrial actions occurring at facilities according to part 1 of their group applications.

Table C-1.—Industrial Activities Occurring at Chemical and Allied Product Manufacturers (as reported in Part 1 of Group Applications)

- 1. Storage of materials in tanks, either below or above ground.
- 2. Wastewater treatment, use of activated sludge process, or land application of wastewaters.
- 3. Bagging of materials/products.
- 4. Blending and mixing of chemicals.
- 5. Packaging of chemicals.
- 6. Cooling towers.
- 7. Crushing, Milling, Shredding, Granulation and Grinding of materials.
- 8. Storage of cylinders used to contain industrial gases.
- 9. Distribution of products.
- 10. Storage of empty or full drums.
- 11. Equipment storage and maintenance, including vehicles.
- 12. Application of fertilizers or pesticides.
- 13. Operation of a foundry.
- 14. Fueling of vehicles.
- 15. Hazardous waste temporary storage or operation of RCRA treatment, storage, or disposal facility.
- 16. Hot oil system for cooling/heat exchange.
- 17. Landfills or temporary refuse site.
- 18. Application of lime.
- 19. Loading/Unloading.
- 20. Use of machinery to process materials.
- 21. Material handling and warehousing.
- 22. Plant yard and areas of past industrial activity.
- 23. Access roads and rail tracks.
- 24. Steam boilers.