

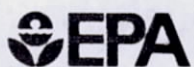
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Office of Air Quality
Planning and Standards
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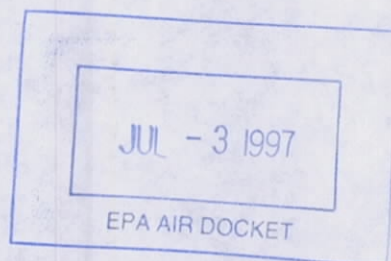
EPA-450/3-91-030
July 1992

Air



Documentation for Developing the Initial Source Category List

Final Report



NEESHAF

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Table 3.1 (continued)

SOURCE CATEGORY NAME	POLLUTANT(S)	REFERENCE
STEEL FOUNDRIES	ACROLEIN BENZENE CADMIUM COMPOUNDS CHROMIUM COMPOUNDS FORMALDEHYDE HEXANE LEAD COMPOUNDS MANGANESE COMPOUNDS MERCURY COMPOUNDS NICKEL COMPOUNDS PHENOL SELENIUM COMPOUNDS TOLUENE XYLENE (M-) XYLENE (O-) POLYCYCLIC ORGANIC MATTER	1, 18, 19, 166
STEEL PICKLING - HCl PROCESS	HYDROCHLORIC ACID POLYCYCLIC ORGANIC MATTER	18, 39, 86, 168
-----INDUSTRY GROUP = MINERAL PRODUCTS PROCESSING-----		
ALUMINA PROCESSING	HEXANE FORMALDEHYDE	92, 176
ASPHALT/COAL TAR APPLICATION - METAL PIPES	BENZENE HEXANE TOLUENE	1, 18, 173
ASPHALT CONCRETE MANUFACTURING	BENZENE CHROMIUM COMPOUNDS HEXANE LEAD COMPOUNDS MANGANESE COMPOUNDS NICKEL COMPOUNDS	1, 18, 19, 169, 170
ASPHALT PROCESSING	POLYCYCLIC ORGANIC MATTER CHLORINE	16, 88, 171, 172
ASPHALT ROOFING MANUFACTURING	BENZENE CHLORINE CHROMIUM COMPOUNDS COBALT COMPOUNDS HEXANE MANGANESE COMPOUNDS SELENIUM COMPOUNDS TOLUENE	1, 18, 19, 88, 171, 172
CHROMIUM REFRACTORIES PRODUCTION	CHROMIUM COMPOUNDS	70, 137, 174
CLAY PRODUCTS MANUFACTURING	CHLORINE FORMALDEHYDE HEXANE	1, 18, 92, 175
LIME MANUFACTURING	ARSENIC COMPOUNDS (INORGANIC INCLUDING ARSINE) CADMIUM COMPOUNDS CHLORINE CHROMIUM COMPOUNDS LEAD COMPOUNDS MANGANESE COMPOUNDS MERCURY COMPOUNDS NICKEL COMPOUNDS SELENIUM COMPOUNDS	89, 177, 178

INDUSTRY GROUP - FERROUS METALS PROCESSING (CONTINUED)

Source Category: Steel Foundries

The Steel Foundries source category includes any facility engaged in producing final shape steel castings by the melting, alloying, and molding of pig iron and steel scrap. The category includes, but is not limited to, the following steel foundry process operations: raw materials handling, metal melting, mold and core production, and casting and finishing.

Source Category: Steel Pickling - HCl Process

The Steel Pickling - HCl Process source category includes any facility engaged in the pickling of steel using hydrochloric acid (HCl) as the pickling acid. Pickling is defined as a process which chemically removes oxides and scale from the surface of steel by the action of aqueous solutions of inorganic acids. Not included in this category are facilities which pickle steel using other acids.

The category includes both batch and continuous pickling operations. In the batch pickling process, the steel is immersed in an acid solution until the scale or oxide film is removed, lifted from the bath, allowed to drain, and then rinsed by sequential immersion in rinse tanks. In the continuous pickling process, pickling lines pass the steel through the pickler in a countercurrent direction to the flow of the acid solution; next, the steel is lifted from the acid, allowed to drain, and then rinsed in a series of rinse tanks.

INDUSTRY GROUP - FERROUS METALS PROCESSING (CONTINUED)

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Table 3.1 (continued)

SOURCE CATEGORY NAME	POLLUTANT(S)	REFERENCE
STEEL FOUNDRIES	ACROLEIN BENZENE CADMIUM COMPOUNDS CHROMIUM COMPOUNDS FORMALDEHYDE HEXANE LEAD COMPOUNDS MANGANESE COMPOUNDS MERCURY COMPOUNDS NICKEL COMPOUNDS PHENOL SELENIUM COMPOUNDS TOLUENE XYLENE (M-) XYLENE (O-) POLYCYCLIC ORGANIC MATTER	1, 18, 19, 166
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