

Ohio EPA

Division of Air Pollution Control

Engineering Guide #81

Question: How should emissions unit ID codes be assigned for air installation and/or operating permits?

Answer: Each regulated facility must have one or more emissions unit ID codes designated as part of the permitting process. The following guidance is intended to clarify emissions unit source prefix codes. These ID codes are assigned based on the type of equipment or operation and are numbered sequentially as they are added. A previously installed unit undergoing an OAC chapter 3745-31 or major modification should have its ID code updated if the designation does not comply with this guide. Renewals, as well as minor and administrative modifications, can be updated at the discretion of the permit writer. A shutdown or removed emissions unit must have its ID code retired and can never be used again at that particular facility. The X's refer to sequential numbers. For example, the first boiler at a facility would be assigned "B001".

BXXX – Fuel burning equipment

Fuel burning equipment is defined in OAC rule 3745-17-01(B)(5) as follows:

“The burning of fuel for the primary purpose of producing heat or power by indirect heating in which the products of combustion do not come into direct contact with process materials.”

Note that this does not include stationary internal combustion engines, which would be considered a “P” source.

B9XX – Coke oven battery or any fuel burning equipment with associated fugitive emissions

*See Engineering Guide #25.

DXXX – Dry cleaning operation

DAPC has historically only used one ID for this type even if there are multiple machines that operate independently at one site.

FXXX – Fugitive dust source

*See Engineering Guides #25 & #75 for examples of the various types of fugitive dust sources.

GXXX – Gasoline dispensing facility

This ID includes diesel and kerosene dispensing, and one ID covers the entire facility.

JXXX – Loading rack

Includes loading arms, pumps, meters, shutoff valves, relief valves, and other piping and valves necessary to fill delivery tank trucks with gasoline or other VOC-emitting liquids.

[Definition from 40 CFR 60.501]

KXXX – Surface coating lines not subject to OAC Rule 3745-21-07

LXXX – Solvent metal cleaning operation

E.g., degreasers and cold cleaners. One ID code is used for each cleaner.

NXXX – Incinerator and crematory

This emissions unit ID includes burning of refuse, cremation of human and animal remains, and the processing of salvageable material by burning which includes bake-off ovens and salt baths. Incineration means any equipment, machine, device, article, contrivance, structure, or part of a structure used to burn liquid, semi-solid or solid refuse or to process salvageable materials by burning, other than by open burning as defined in rule 3745-19-01 of the Administrative Code [3745-17-01(B)(9)]. One ID code is used for each incinerator.

*See Engineering Guide #3 for detailed information.

N9XX – Incineration refuse and ash handling

PXXX – Process with only point source emissions (no fugitive emissions)

This emissions unit ID is used to designate fuel burning equipment where products of combustion come into direct contact with process materials, which includes stationary internal combustion engines and turbines. It also captures emissions unit types that do not fall directly under any other designation.

P8XX – Process with fugitive VOC emissions subject to Leak Detection and Repair (LDAR) requirements

This ID includes, but is not limited to, oil refinery operations as well as synthetic organic chemical manufacturing industry (SOCMI) operations.

*See Engineering Guide #60 for detailed information.

P9XX – Process with fugitive dust emissions and stack emissions

*See Engineering Guides #25 & #75 for equipment scenarios that would be covered by this emissions unit ID.

RXXX – Spray booth and drying equipment (coating operation)

This emissions unit ID is only used for equipment subject to OAC rule 3745-21-07(M).

TXXX – Storage tank

This emissions unit ID designates tanks storing liquid materials, and does not include tanks which only contain a compressed gas.

WXXX – Waste Oil Heater

This emissions unit ID was formerly used by some local air agencies but is now obsolete.

ZXXX – Miscellaneous source

This emissions unit ID was formerly used to designate miscellaneous sources. It is obsolete and should no longer be in use.

BDC/MM

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