

## PERMIT CONDITION GUIDANCE

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### Background

Authorities to Construct or Permits to Operate may be subject to a permit conditions. A condition may contain parts that limit material usage rates, set allowable operating parameter ranges, require emissions or parametric monitoring, require compliance demonstration tests, or establish record keeping requirements, per the [records retention policy](#). The standardized permit conditions that are provided in this guidance are to be used in uniform treatment of ministerial sources. Note that .doc versions of these permit conditions are available from the [Evaluation Report Template Guidance](#).

### Condition Basis Codes

Each permit condition part limiting source operations shall include a basis code. Basis codes shall be based on requirements in District, State, or Federal regulations. Limits should be deemed necessary to ensure a source complies with that regulation. The following are abbreviations and descriptions for each basis code. The Permit Engineer should use the abbreviated identifiers at the end of each part, and provide a legend at the end of the condition text.

<u>Abbreviation</u>	<u>Description</u>
BACT	Best Available Control Technology, per <a href="#">Reg. 2-2-301</a> ;
Offsets	Offset requirements of <a href="#">Reg. 2-2-302/303</a> ;
ERC	<a href="#">Emission Reduction Credit from banked emissions</a> .
IERC	<a href="#">Interchangeable Emission Reduction Credit</a> banking;
PSD	Prevention of Significant Deterioration, <a href="#">Reg. 2-2-304 through 306</a> ;
Toxic	Health Risk Screen, per <a href="#">Regulation 2, Rule 5: New Source Review of Toxic Air Contaminants</a> ;
NSPS	New Source Performance Standard, <a href="#">Reg. 10</a> ;
NESHAPS	<a href="#">National Emission Standard for Hazardous Air Pollutants</a> , Reg. 11;
MACT	<a href="#">Maximum Achievable Control Technology</a> ;
Cumulative Increase	Cumulative emission increase, as defined in <a href="#">Regulation 2-2-212</a> , and as calculated in permit application; and
Other	Provide a brief description.

Each part should usually have three sections:

1. Limit
2. Monitoring
3. Reporting/recordkeeping (see [policy](#))

An index of the various permit conditions is provided below:

- 2.1 Boilers, Steam Generators & Process Heaters
  - [Natural Gas](#)
  - [Natural Gas w/Diesel Fuel Backup](#)
  - [Other Gas Fuel](#)
  - [Diesel Fuel](#)
- 2.3 Internal Combustion Engines
  - [Emergency Stationary Diesel Engines](#)
  - [Emergency Stationary Natural Gas Engines](#)
  - [Portable Diesel Engine](#)
- 3.1 Bulk Loading
  - [General](#)
  - [Marine](#)
- 3.3 [Oil-Water Separators](#)

- 3.4 [Petroleum Refinery Fugitive Emissions](#)
- 3.5 Natural Gas Facilities
  - [Dehydrator](#)
- 4 Organic Liquid Storage Tanks
  - [General Conditions \(fixed roof tanks\)](#)
  - [Additional for Internal or External Floating Roofs](#)
  - [Additional for Vapor Recovery System](#)
- 5.1&5.3 [Coating Operations \(including Graphic Arts\)](#)
- 5.2 Coating and Ink Manufacturing
  - [Mixing Vats](#)
  - [Screening Mill](#)
- 6 [Solvent Cleaning](#)
- 7.2 [Wave Solder Machine](#)
- 7.3 [Flexible and Rigid Disc Manufacturing](#)
- 7.4 [Semiconductor Fabs](#)
  - [Abatement by thermal oxidation](#)
  - [Additional for Thermal Oxidizer RACT](#)
  - [Additional for source testing](#)
  - [Additional for allowable temperature excursion](#)
- 8.2 [Wastewater Treatment Facilities](#)
  - [Anaerobic Digester](#)
- 9.1 Airstripping
  - [Conditions for Portable Airstripping or Soil Vapor Extraction Using Thermal Oxidation](#)
  - [Conditions for Combined Airstripping and Soil Vapor Extraction Using Thermal or Catalytic Oxidation and/or Activated Carbon Vessels Additional for carbon abatement](#)
  - [Conditions for carbon abatement](#)
  - [Conditions for thermal oxidation](#)
  - [Additional for Thermal Oxidizer RACT](#)
  - [Additional for IC Engine RACT](#)
  - [Additional for end of remediation project.](#)
  - [Additional for source testing](#)
  - [Additional for allowable temperature excursion](#)
- 9.2 Soil Vapor Extraction
  - [Conditions for Portable Airstripping or Soil Vapor Extraction Using Thermal Oxidation](#)
  - [Conditions for Combined Airstripping and Soil Vapor Extraction Using Thermal or Catalytic Oxidation and/or Activated Carbon Vessels Additional for carbon abatement](#)
  - [Conditions for carbon abatement](#)
  - [Conditions for thermal oxidation](#)
  - [Additional for Thermal Oxidizer RACT](#)
  - [Additional for IC Engine RACT](#)
  - [Additional for end of remediation project.](#)
  - [Additional for source testing](#)
  - [Additional for allowable temperature excursion](#)
- 10.1 Chrome Plating (Hexavalent)
  - [Decorative Chrome Plating](#)
  - [Hard Chrome Plating](#)
  - [Trivalent Chrome Plating](#)
- 10.2 [Ethylene Oxide Sterilizer w/Catalytic Oxidation](#)
  - [Additional for Thermal Oxidizer RACT](#)
  - [Additional for allowable temperature excursion](#)
- 10.4 [Petroleum Solvent Dry Cleaning](#)
- 10.5 [Perchloroethylene Dry Cleaning](#)

- 11.1 Abrasive Blasting
  - [non-BACT with no abatement](#)
  - [non-BACT with abatement](#)
  - [BACT with abatement](#)
- 11.2 [Asphalt Drum Mixer](#)
- 11.3 [Coffee Roasters](#)
- 11.4 [Cooling Towers](#)
- 11.5 [Concrete Batch Plants](#)
  - [Abatement by Baghouse](#)
- 11.6 Crematories
  - [Human](#)
  - [Animal](#)
- 11.7 [Crushing and Grinding](#)
  - [Abatement by Baghouse](#)
- 11.9 [Miscellaneous Organic Operations](#)
- 11.10 [Portable Equipment](#)
  - [Portable Diesel Engine](#)
  - [Portable Tub Grinders w/Diesel Engines](#)
- 11.11 [Polyester Resin Manufacturing](#)
- 11.12 [Polyester Resin Operation](#)
- 11.13 Tub Grinders
  - [Powered by Electricity \(stationary\)](#)
  - [Powered by Diesel Engine \(stationary\)](#)

The permit handbook chapters provide recommended permit conditions for each source type. Moreover, additional parts may be added in circumstances when BACT-required abatement or other circumstances warrant source testing and/or additional monitoring. These additional parts are identified below:

- A. [Abatement by Thermal Oxidizer](#)
- B. [Allowable Temperature Excursions](#)
- C. [Source Testing](#)
- D. [Abatement by Carbon](#)
- E. [Abatement by Baghouse](#)
- F. [Thermal Oxidizer RACT](#)
- G. [IC Engine RACT](#)