

Handout 2 – Panelist, Annette Sharp

Acronyms

MACT – Maximum Achievable Control Technology

NESHAP – National Emissions Standards for Hazardous Air Pollutants

NSPS – New Source Performance Standard(s)

PSD – Prevention of Significant Deterioration

Environmental regulations in this country may be promulgated by the federal government, state government, or local government. State and local regulations may not be less stringent than federal regulations. They may be more stringent.

Federal environmental regulations are mostly promulgated by the U. S. Environmental Protection Agency (EPA). As such, federal regulations are provided a “Title” number and found in the Code of Federal Regulations. The Title number assigned to the U.S. EPA is Title 40.

Both NSPS and NESHAP regulations govern biofuel conversion plants. Under Title 40, Part 60, there are a number of specific New Source Performance Standards that conversion plants must meet such as the following:

- Subpart Db – Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units;
- Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units;
- Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for which construction, reconstruction, or modification commenced after July 23, 1984;
- Subpart DD – Standards of Performance for Grain Elevators; and,
- Others.

Likewise, there are National Emission Standards for Hazardous Air Pollutants that conversion plants must meet under Title 40, Part 63 such as the following:

- Subpart O – Ethylene Oxide emissions standards for Sterilization Facilities;
- Subpart FFFF – National Emissions Standards for Miscellaneous Organic Chemical Manufacturing;
- Subpart ZZZZ – National Emissions Standards for Stationary Reciprocating Internal Combustion Engines;
- Subpart DDDDD – National Emission Standards for Industrial, Commercial, and Institutional Boilers and Process Heaters