



Boiler MACT

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- Maximum Achievable Control Technology
 - National Emission Standards for Hazardous Air Pollutants (HAPs)
 - 40 CFR Part 63
 - Imposes Technology Standards to reduce HAP emissions
 - 187 Hazardous Air Pollutants regulated
 - Major Source and Area Source Standards
 - Rules for a wide range of industrial categories

- Major Source Boiler MACT
 - Larger Emitters of HAPs
 - Potential to Emit greater than 10 TPY of any HAP or 25 TPY of any combination of HAPs
 - 40 CFR Part 63 Subpart DDDDD
 - 40 CFR 63.7480
 - ADEM has delegation from EPA to be the primary enforcer of this Rule

- Compliance Dates
 - Existing Sources
 - January 31, 2016
 - New Sources constructed on or after January 31, 2013
 - Upon Start Up
 - New Sources constructed between June 4, 2010 –January 30, 2013
 - See Boiler MACT

- Overview
 - 19 subcategories of boilers/process heaters
 - Numerical emissions limits for some subcategories for:
 - CO, HCl, Hg, PM / TSM (total selected metals)
 - Work Practice Standards for most subcategories
 - Tune Ups
 - Energy Audits
 - Reporting and Record Keeping

ADEM Area Source Boiler MACT

- Area Source Boiler MACT
 - Small sources of HAPs
 - Potential to Emit less than 10 TPY of any HAP or 25 TPY of any combination of HAPs
 - 40 CFR Part 63 Subpart JJJJJJ
 - 40 CFR 63.11193
 - ADEM does **NOT** have delegation of this Rule
 - Incorporated into Permits



Area Source Boiler MACT

- Compliance Dates
 - Existing Sources
 - March 21, 2014
 - New Sources Constructed on or after June 4, 2010
 - Upon Start Up



Area Source Boiler MACT

- Overview
 - 7 subcategories of boilers
 - Does NOT include gas fired boilers or process heaters
 - Numerical emissions limits for some subcategories for:
 - CO, Hg, PM
 - Work Practice Standards for some subcategories
 - Tune Ups
 - Energy Audits
 - Reporting and Record Keeping

- EPA
 - <http://www.epa.gov/ttn/atw/boiler/boilerpg.html>
 - Compliance assistance information
 - <http://www.ecfr.gov>
 - Current version of MACT's
 - Region 4
 - Developing a list of Qualified Energy Assessors
 - Will post on Region 4 website
- ADEM
 - Contact ADEM Air Staff

- Air Division Permit Issuance Time Frame
 - After a **Complete** Application is Received
 - Prevention of Significant Deterioration (PSD)
 - 150 days (90 – 120 day average)
 - Synthetic Minor Operating Permit (SMOP)
 - 50 days
 - Air Permit with Public Notice
 - 40 days

- Air Division Permit Issuance Time Frame
 - Air Permit
 - 30 days
 - No Permit Letter
 - 20 days (10 day average)

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Questions

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