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NATURAL RESOURCES

Compliance Assistance and Top Inspection Findings in the Air Pollution Control Program

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Air Pollution Control Program
Chief of Compliance & Enforcement Section

REGFORM Compliance & Enforcement Seminar
March 25, 2020, Columbia, MO

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Overview of Presentation

- Regional Office Boundaries
- Common Compliance Issues
- What Issues Require Referral to Program
- Resolution of Compliance Issues
- Stack Test Oversight
- Compliance Assistance
- Fee Stakeholder Meetings

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Regional Office Boundaries

For more information on the department, visit dnr.mo.gov or call 800-361-4827

Central Field Operations
Joe Stoops
(573) 522-3322

Kansas City Regional Office
Michael Cunningham
(816) 251-0700

Northeast Regional Office
Steve Boone
(660) 385-8000

Southeast Regional Office
Todd Raney
(573) 840-9750

Southwest Regional Office
Tanya Turner
(417) 891-4300

St. Louis Regional Office
Tom Sims
(314) 416-2960

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Local Agencies

- Kansas City Dept. of Health
  Air Quality Program
  Stacie Duitsman
  2400 Troost Ave., Suite 3200
  Kansas City, MO 64108
  (816) 513-6314

- St. Louis County Dept. of Public Health
  Air Pollution Control Program
  Jeremy Rogus
  6121 N. Hanley Rd.
  Berkeley, MO 63134
  (314) 615-8924

- City of Springfield
  Dept. of Environmental Services
  Doug Durrington
  840 Boonville Avenue
  Springfield, MO 65802
  (417) 864-1905

- City of St. Louis
  Dept. of Health Jeanine
  Arrighi
  1520 Market
  St. Louis, MO 63103
  (314) 612-5100

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Compliance Inspections

- Planned over 650 inspections of regulated facilities in FFY 2020
- Regional Office staff conduct inspections
- <5% of inspections result in referral to the Air Program
- Resolution through compliance assistance
- Documentation is required
- Federally reportable violations

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Common Issues Noted During Inspections

- Failure to meet permit conditions
  - Exceeding throughput limits
  - Failure to conduct appropriate monitoring
  - Failure to keep records or submit reports
- Failure to obtain a permit
- Stack Testing
- Asbestos NESHAP, Subpart M

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Compliance Report Review

- Air Program staff review the reports
- Received 2,187 in year 2019
  - Annual Compliance Certifications/Semi-Annual Monitoring Reports– 917
  - MACT & NSPS – 631
- Resolution through compliance assistance
- aircompliancereporting@dnr.mo.gov

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COMPLIANCE ISSUE (1 of 3)

MACT 4W Records

- EPA calculations showed 3 products exceeded HAP emissions
- Hunter Green Low VOC Gel Coat: 33% vs 45%
- Air Staff Reviewed SDS
  - Section 15 actual HAP (28% Styrene + 5% Methyl Methacrylate = 33%
  - Section 3 HAP range (upper limit for Styrene 40% + 5% for Methyl Methacrylate = 45%)
- Use of correct data showed compliance

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COMPLIANCE ISSUE (2 of 3)

MACT 4W Records

EPA review of semi-annual report showed

- Failure to include all materials in HAP emission rate calculations
- Calculated HAP emission rate was not accurate
- Potential exceedance of HAP emissions for months

Air Program review of semi-annual report showed

- Noted discrepancies between SDS information & facility spreadsheet entries
- Notified Facility of updated HAP% in SDS
- Facility updated spreadsheets which showed compliance with MACT limits

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COMPLIANCE ISSUE (3 of 3)

Rolling 12 month record keeping

- Incorrect emission factor, failed to use most recent stack test information
- Averaging calendar year instead of rolling 12 month
- Monthly total input was an average of 12 months (each month was same number)

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Takeaway

- Product SDS are updated – HAP% often changes Facilities need to check and update their spreadsheets
- Ensure to accurately apply “12 month rolling total”
- Evaluate and use the proper emission factor

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Issues that may be resolved through compliance assistance

- Recordkeeping not current (within 5 days)
- Recordkeeping unavailable during the inspection but provided upon request within one week
- Minimal dust
- Some self reported compliance issues

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Issues that typically result in referral to Air Program

- Substantial exceedance(s) of an emission limit
- Intentional or criminal acts
- Significant threat to public health or the environment
- Failure to operate or maintain CEMS
- Denial of access

Resolution – what's necessary?

- Communication!!
- Compliance plan
  - In writing
  - Corrective actions
  - Hard deadlines
- Documentation corrective actions are complete and effective

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Oversight of Stack Tests

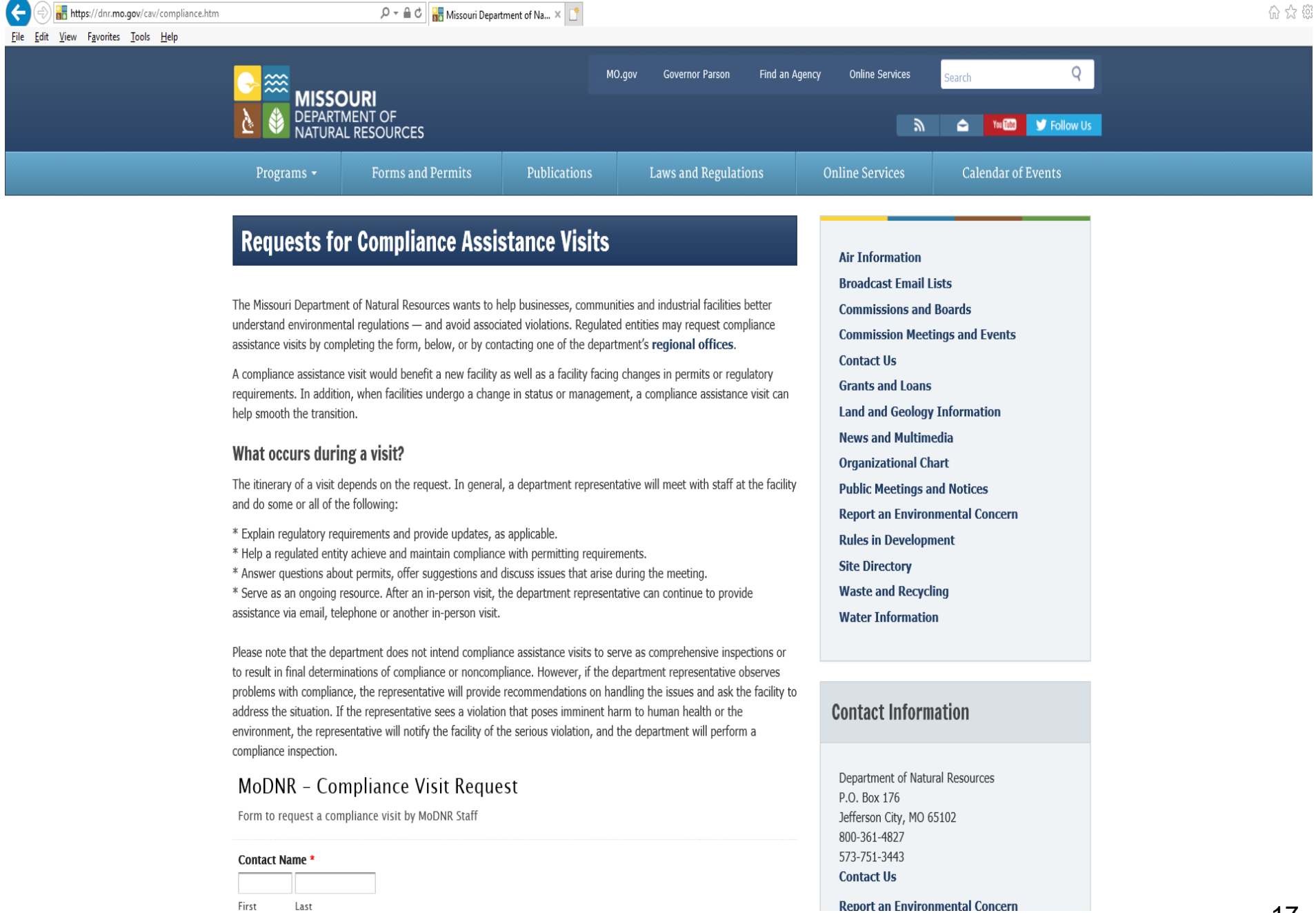
Testing & Emissions Unit:

- Receives and reviews test protocols
- Observes emission tests
- Reviews test report
  - Received 454 test reports in 2019
- CEMS audits

stacktesting@dnr.mo.gov

Oversight of Stack Tests

- Goals:
  - Successful test
  - Useable data
  - Passing results
- Key Factors:
  - Why are you testing? What's the "driver"?
  - Test methodology
  - Operating scenario(s)
  - Establishment of operating parameter limits



Arrange a visit: dnr.mo.gov/cav/compliance.htm

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Small Business Assistance – Air Program

dnr.mo.gov/env/apcp/smbus.htm

Air Pollution Control Program
P.O. Box 176
Jefferson City, MO 65102
(573) 751-4817 (APCP)
(800) 361-4827 (DNR)
(573) 751-2706 (Fax)

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Convenient Email Addresses

- aircompliancereporting@dnr.mo.gov
- stacktesting@dnr.mo.gov
- asbestosnotifications@dnr.mo.gov

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Air Pollution Control Program Contacts

- Chris Wood – General Permitted Facilities
  - chris.wood@dnr.mo.gov
- Josh Vander Veen – Stack Testing
  - Josh.vanderveen@dnr.mo.gov
- Stan Payne – Asbestos
  - Stan.payne@dnr.mo.gov

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FEE STAKEHOLDER MEETINGS

- First meeting was March 2
- Future meetings:
  - Monday, March 30, 2020 (webinar)
  - Monday April 6, 2020
  - Tuesday May 5, 2020
- Check Air Pollution Control Program web page for future meeting dates - “Air Program Advisory Forum” tab on right
- Input from stakeholders is a necessary part of the process

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Questions?

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