Working Group Meeting

Proposed Rule 1148.2
Notification and Reporting of Pre-Production Operations of Oil and Gas Wells

January 15, 2013
PR1148.2 – Purpose and Applicability

- **Purpose**
  - To gather air quality-related information on oil and gas well pre-production activities

- **Applicability**
  - Onshore oil or gas wells located in the District conducting:
    - Well drilling
    - Well production stimulation activities
    - Well reworks
PR1148.2 Overview

- Notification and reporting requirements begin 90 days after date of adoption
- Notification requirements to notify AQMD of drilling, well completion, and/or rework activities
- Reporting requirements
  - Emission source reporting
  - Chemical reporting
PR 1148.2 Notification

- Notify AQMD no more than 10 and at least 5 days prior to drilling, well completion, or rework of oil or gas well
- Notification requirements rely on DOGGR notifications – copies of DOGGR forms
- Must identify sensitive receptor(s) within 1,500 feet of well (resident, school, hospital, dormitory etc.)
- If start date changes, must resubmit notification
PR1148.2 – Draft Notification of Well Activities
PR1148.2 – Reporting Requirements

- Reporting requirement effective for two years
- Report to AQMD 2 weeks after completion of last activity or last activity in series of activities
- Two reporting requirements
  - Emission source reporting
    - Exhaust emissions from equipment
    - Particulate emissions during mixing dry materials
    - Hydrocarbon emissions when fluids return to the surface
  - Chemical use reporting
PR1148.2 Emission Source Reporting - Equipment

- Must provide following information for equipment used during drilling, well completion, and reworks
  - type of equipment
  - engine size
  - fuel type
  - emission rate and
  - hours of operation
- Provide California Air Resources Board’s Portable Equipment Registration Program number or District permit number, if applicable
For dry materials used for drilling, well completion, and rework provide:

- type and amount of dry materials used
- method(s) in which dry materials are added and mixed into the drilling and well completion fluid(s) and
- any air pollution control techniques, devices, and/or practices used to control fugitive emissions or odors.
PR1148.2 Emission Source Reporting
- Drilling and Flowback Fluids

- For drilling fluids and flowback fluid, provide:
  - volume of drilling fluids used and recovered;
  - volume of well completion fluids used and volume of flowback fluid recovered;
  - method(s) used for conditioning, separating, and/or treating of drilling fluids and/or flowback fluids as it returns to the surface;
  - any air pollution techniques, devices, and/or practices used to control volatile organic compounds or odors; and
  - final disposition of recovered drilling fluids and flowback fluids.
Overview of Proposed Chemical Reporting Requirements

Non-Trade Secret

- Report to AQMD
  - Chemical name
  - Concentration
  - Use (Volume or mass)
  - HAP and/or TAC

- Information for AQMD Website
  - Chemical name
  - Concentration
  - Use (Volume or mass)
  - HAP and/or TAC

Trade Secret

- Report to AQMD
  - Chemical name
  - Concentration
  - Use (Volume or mass)
  - HAP and/or TAC

- Information for AQMD Website
  - Chemical family name
  - HAP and/or TAC
Proposed Rule 1148.2 – Chemical Reporting Requirements

- Within 2 weeks of end date of pre-production operations, submit drilling/well completion fluid information, including:
  - Chemical compound and CAS number
  - Purpose of component
  - For each trade name chemical
    - total volume and density, or mass of component;
  - For each chemical ingredient in trade name product, maximum concentration in percent by mass
  - Identification if chemical is claimed as trade secret
  - Chemical family if chemical is claimed as trade secret
  - Identification if chemical is a HAP and/or TAC
Proposed Rule 1148.2 – Chemical Reporting to AQMD

- Chemical reporting requirement begins 90 days after rule adoption
- Owner or operator of well must report chemicals 14 days after last activity or last activity if series of activities conducted

Supplier requirements
  - Supplier must provide chemical information to owner or operator within 10 days after materials are sold to owner or operator
  - Supplier must provide trade secret chemical information to AQMD
Proposed Rulemaking Schedule

- January 18, 2013  Stationary Source Committee
- January 24, 2013  Working Group Meeting
- January 30, 2013  Public Workshop
- February 1, 2013  Set Hearing for PR 1148.2
- February 14, 2013 Working Group Meeting
- February 21, 2013 Stationary Source Committee
- March 1, 2013  Hearing for PR 1148.2