


## Environmental Information Session

New Steel International, Inc.  
Franklin Furnace, Ohio  
New Integrated Steel Mini - Mill Facility


March 20, 2008




New Steel International - Franklin Furnace, Ohio

Presented by Cindy Charles


- Portsmouth Local Air Agency




What is involved in the evaluation of an air pollution permit-to-install (PTI)

- Applicant submits air application
  - Ohio EPA evaluates impacts to determine if project meets air regulations
  - A decision is made and action is drafted (denial or draft permit)
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## What Do the Air Pollution Rules Require?

- Best Available Control Technology (BACT) on equipment and operations
  - Lowest Achievable Emission Rate (LAER) on equipment and operations (PM10 as a surrogate for PM2.5)
  - Emissions modeling to evaluate impacts
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## What Is Involved in Drafting the Permit?

- If an application is approved, develop the following terms and conditions
  - Emissions limits and control requirements
  - Operational restrictions
  - Monitoring and record keeping
  - Reporting
  - Compliance demonstration methods including emissions testing
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## New Steel - Application...

- Large integrated steel mini-mill facility to be located along Gallia Pike, Franklin Furnace, Ohio.
  - Direct reduced iron production
  - Steel making and refining
  - Finishing Operations
  - Slag Processing (Application to be submitted by subcontractor)
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## Proposed Project Emissions

- Allowable Emissions in the draft permit are:
  - Nitrogen oxides (NOx) = 3,758 tons per year (tpy)
  - Sulfur Dioxide (SO<sub>2</sub>) = 3,303 tpy
  - Particulate = 1,145 tpy
  - Volatile Organic Compounds (VOC) = 289 tpy
  - Carbon Monoxide (CO) = 10,618 tpy
  - Lead = 0.59 tpy
  - Fluoride = 83 tpy
  - Hydrogen Fluoride (HF) = 32 tpy
  - Hydrogen Chloride (HCl) = 269 tpy
  - Sulfuric Acid Mist = 80 tpy
  - Mercury = 1,820 pounds per year
- estimated less than 100 pounds per year with mercury specific controls

## If the Permit is Issued Final.....

- Begin Construction
- *After approval is secured from other Ohio EPA divisions (surface water, etc.)*
- Conduct emissions tests as required by the permit
- Operate equipment per the terms and conditions of final permit-to-install
- Apply for a operating permit within one year of beginning to operate

## If the Permit is Issued Final (cont'd).....

- Reporting, record keeping and emissions testing required by the permit
- Portsmouth Local Air Agency would perform periodic on-site inspections of facility and investigate citizen complaints

## Topics Ohio EPA Cannot Consider As Part of Our Review...

- Facility Location
- *Local zoning*
- Property / land issues
- Off-site Truck Traffic
- Who builds the facility
- Use of Union labor
- Noise
- Tax abatements

## Draft Permit Comment Process

- Ohio EPA issues draft permit and requests public comments
- Public Notice placed in local paper
- News release sent to all local media outlets
- Citizen advisory sent to interested parties list
- Public information session and hearing held (if requested)
- Written comments accepted until 03/27/08

## What happens after tonight?

- Ohio EPA reviews comments given at hearing and submitted in writing during comment period
  - (Closes 03/27/08)
- After reviewing comments, the director decides to *issue, modify* or *deny* the final permit
- Director's decision is appealable to the Environmental Review Appeals Commission (ERAC) within 30 days

### What happens after tonight? (cont'd)

- A "Response to Comments" is written to respond to comments received
- Notice placed in local newspaper to document director's final decision regarding the permit



### Submit Comments to:

- Portsmouth Local Air Agency, Attn: Cindy Charles, 605 Washington St., Portsmouth, OH 45662.

- cindy.charles@epa.state.oh.us

- through close of business 3/27/08



### For more information...

- Ohio EPA, New Steel website link for access to permit and application
- <http://www.epa.state.oh.us/pic/newsteelmmk.html>
- Jed Thorp, Public Involvement Coordinator,
- 614- 644-2160, jed.thorp@epa.state.oh.us

