



Information Session & Public Hearing
Clean Water Act
Section 401 Water Quality Certification

Regarding
AMP-Ohio
Proposed Coal-Fired Power Plant
Letart Falls, Meigs County
April 2, 2008

Purpose of Public Hearing

To obtain public comment regarding the proposed *water quality impacts* associated with AMP-Ohio's Section 401 Water Quality Certification application for its proposed coal fired power plant.

Other Required Approvals

- NPDES permit for wastewater treatment plant process water discharges to the Ohio River
- General construction storm water permit
- Solid waste landfill permit
 - (4/16/08 information session)
- Air permit issued 2/8/08 (under appeal)

Two Reviewing Authorities for Stream and Wetlands Impacts

US Army Corps of Engineers (Section 404)

- Broad 21-factor public interest review

State of Ohio EPA (Section 401)

- Ensures the project maintains state water quality standards

Factors Ohio EPA Considers

- Stream and wetland quality
- Nature and extent of the proposed impacts
- Indirect impacts
- Applicant's attempts to avoid and/or minimize impacts
- Justification for proposed impacts
- Proposed mitigation for any unavoidable impacts

Factors Ohio EPA Doesn't Consider

- Local Zoning
- Noise
- Truck traffic
- Popularity of the project (for or against)
- Use/non-use of union labor

Major project components

- ❑ Two 480 MW-net generating units
- ❑ Landfill
- ❑ Haul road
- ❑ Water intake structure in Ohio River
- ❑ Dredge pond
- ❑ Barge fleet facility
 - Maintenance dredging
- ❑ Transmission line
- ❑ Substation

Project Location



Project Location



April 2, 2008

On-Site Wetlands – Power Plant

- Total of 2.3 acres of wetlands on-site
- 0.54 acres of Category 1 wetlands
- 1.79 acres of Category 2 wetlands

On-Site Streams –Power Plant

- Total of 39,391 linear feet of PHWH streams are on-site
 - (Primary Headwater Habitat Streams have drainage areas < 1.0 square mile)
- 9,931 are Class I PHWH streams
- 18,605 are Class II PHWH streams
- 11,335 are Class III PHWH streams
- 4,500 linear footage along the Ohio River

Wetland 1



April 2, 2008

Wetland



April 2, 2008

Stream bm-13



April 2, 2008

Stream cs-4-2



April 2, 2008

15

401 Requires Three Alternatives

- 1) **Preferred Alternative** – greatest impact
- 2) **Minimal Degradation Alternative** – reduced impacts
- 3) **Non-degradation Alternative** – no impact

Preferred Alternative

- Project as previously described with all components:
 - Two 480 MW-net generating units
 - Landfill
 - Haul road
 - Water intake structure in Ohio River
 - Dredge pond
 - Barge fleeting facility
 - Transmission line
 - Substation

Minimal Degradation Alternative

- Reduce landfill to only first cell, all other waste truck to a commercial landfill
- Reduce size of the barge fleeting facility
- Replace Ohio River surface water intake with ground water wells

Non-Degradation Alternatives

- Eliminate on-site landfill, and divert all waste to a commercial landfill
- Replace barge fleet facility with trucks
- Eliminate Ohio River intake structure
- Reduced construction staging area

Wetland Impacts(acres)

On-site	Preferred Alternative	Minimal-Deg. Alternative	Non-Deg. Alternative
2.3	1.01	0.22	0.0

Stream Impacts (linear feet)

On-site	Preferred Alternative	Minimal-Deg. Alternative	Non-Deg. Alternative
39,391	10,359	2,947	0.0

Transmission Line Impacts

- Five mile long transmission line
- 33 headwater stream crossings
- 2 wetlands crossings (no fill)
- Clear and maintain 150 ft right-of-way

Wetland Mitigation Plan

- Create 1.77 acres of emergent wetlands on-site
- Remaining 1.29 acres would be preserved.

Stream Mitigation Plan

- Relocate 1,525 linear feet of stream on-site
- Preserve 1,240 lf of stream “BS-13”
- Preserve and/or enhance approximately 20,000 linear feet of stream in the Leading Creek watershed
- Plant a 50 ft wide riparian buffer along the Ohio River

Process after Tonight's Hearing

- Comments accepted through April 9, 2008
- Ohio EPA reviews and responds to comments and makes final decision
- Ohio EPA sends final decision and response to comments to interested parties
- USACOE rules on Section 404 permit

Possible Outcomes

- Project approved as is
- Project approved with modifications
- Project denied
- Project withdrawn

Contact Information

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Submit Comments To...

Ohio EPA – DSW

Attention: Permits Processing Unit

Lazarus Government Center

50 West Town Street, Suite 700

P.O. Box 1049

Columbus, Ohio 43216-1049

Include SWIMS No. - 073145

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Questions?
