



Public hearing on MMK Americas' Draft Wastewater Permits

March 20, 2008

## Wastewater Permit Process

- Ohio EPA receives application
- Ohio EPA public notices receipt of application
- No comments received on application

## Wastewater Permit Process cont'd

- Ohio EPA public notices draft permit or proposed denial
- Ohio EPA holds public hearing if significant interest
- Comment period ends on draft permit OR proposed denial
- Ohio EPA takes final action – issues permit or denies

## Discharge Sources

- Cooling tower blowdown
- Continuous casting
- Vacuum degassing
- Hot forming
- Cold forming

## Discharge Sources cont'd

- Acid pickling
- Hot dip galvanizing
- Boiler water treatment
- Maximum Discharge – 2.2 million gallons per day (MGD)

## Phased Construction

- Finishing Mills First
  - Acid Pickling and Galvanizing
- Complete Plant
  - Including steelmaking, casting, rolling

### Permits Required

- Permit to Install: Ensures that MMK follows all rules and laws for the installation of all wastewater sources and treatment systems.

### Permits Required (cont.)

- Discharge permit: Sets limits on pollutants discharged or potentially discharged from the plant.

### Limits Based On...

- Treatment Technology Standards
  - Standard treatment performance
- Water Quality Standards
  - Levels needed to protect health and aquatic life

### Pollutants Limited by Treatment

- Total Suspended Solids
- Oil and grease
- Lead
- Zinc
- Naphthalene
- Tetrachloroethylene

### Basis – Categorical Standards

- Kilograms of discharge per 1000 kilos of production
- More production = more kg/day allowed

### Pollutants Limited – Water Quality

- Chlorine
- Copper
- Acute Toxicity- no toxicity to fish & bugs
- pH
- Lead and zinc concentrations

### Where from here?

- Ohio EPA considers all comments received in writing or at hearing
- Comments accepted until **March 27, 2008**
- Ohio EPA staff consider, make recommendation to issue or deny permit

### Where from here? Cont'd

- Ohio EPA director takes action to issue a final permit *or* deny draft permit
- Ohio EPA mails responsiveness summary and announces final decision
- Final decisions are appealable to Environmental Review Appeals Commission

### Send comments to:

- **Ohio EPA**  
**Division of Surface Water**  
**Permits Processing Unit**  
**P.O. Box 1049**  
**Columbus, OH 43216-1049**

*through close of business March 27*

### Discharge Permit Contact

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### Permit to Install Contact

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