

# Cooling Tower/IPA Reduction Updates to CEWG

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4/19/06

# Cooling Tower Testing Update

- Test results were submitted to NMED and ATSDR
- All the potential emissions of Hazardous Air Pollutants (HAPs) from the cooling towers are within site permit limits
- Modeling currently being updated to include particulates from cooling towers
- All potential emissions of NM Air Toxics (TAPs) are below applicable screening levels, and therefore, no permit is required for the TAPs.

# Cooling Tower Projects

- 3D Trasar
  - Function is to feed biocide on an as-needed basis rather than slug feed
  - Will reduce amount of biocide used, provide better aerobic control, and potentially reduce chloramines odors
  - Status **(Still activating)**
- Side-stream filtration
  - Side stream water filtrated to remove solids, which reduces bacterial growth **(Done)**
- Potential Projects
  - Add pH controller to CT water sump
    - pH control will allow for better control of system
    - Capital funding and scope of work submitted for '06 **(approved)**
  - Segregation of reuse water
  - Possible water treatment chemical changes
  - Gray water project (partner with RR to use gray water)
  - Pilot to reduce CT operating cycles, which will reduce concentrating effect

# IPA Reduction Updates

- Manufacturing specs have been updated in the factory to be more specific on IPA usage
- Routine communications to factory engineers, technicians and contractors
- Continue to look for opportunities to reduce the use of IPA in factory