



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We make Indiana a cleaner, healthier place to live.*

*Joseph E. Kernan*  
Governor

*Lori F. Kaplan*  
Commissioner

100 North Senate Avenue  
P. O. Box 6015  
Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-6027  
[www.state.in.us/idem](http://www.state.in.us/idem)

May 27, 2004

Mr. James Alexander  
U.S. Steel - Gary Works  
One North Broadway  
Gary, Indiana 46402

Re: 089-18862-00121  
Permit Review Request

Dear Mr. Alexander:

U.S. Steel - Gary Works applied for a Part 70 operating permit on December 13, 1996 for a steel mill, located at One North Broadway, Gary, Indiana 46402. On April 19, 2004, the Office of Air Quality (OAQ) received a letter from U.S. Steel - Gary Works requesting permission to install a new fume/mist capture and control system to collect and vent fumes from the existing chemical treatment tanks at the Nos. 5 and 6 Electrolytic Tinning Lines (ETLs).

The Nos. 5 and 6 ETLs perform dip coating operations which coat cold-rolled steel strip electrolytically with a layer of tin. Currently, the chemical treatment tanks at both the Nos. 5 and 6 ETLs are not controlled. The mist droplets emitted from these treatment tanks are corrosive and may deposit onto the surface of the steel strip through general air circulation in the room. To reduce product quality problems, the source proposed to install a fume/mist capture and control system to control the emissions from the existing treatments tanks of Nos. 5 and 6 ETLs.

Since the installation of the control devices is not considered a modification to the existing emission units and will not increase the potential to emit of the existing treatments tanks, IDEM, OAQ has determined that the installation of the new fume/mist capture and control system would not require a permitting action.

Pursuant to Contract No. A305-0-00-36, IDEM, OAQ has assigned the processing of this review request to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Yu-Lien Chu, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7871 to speak directly to Ms. Chu. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call (800) 451-6027, and ask for Duane Van Laningham, or extension 3-6878, or dial (317) 233-6878.

Sincerely,

Original Signed by  
Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

ERG/YC

cc: File - Lake County  
U.S. EPA, Region V  
Lake County Health Department  
Northwest Regional Office  
Air Compliance Section Inspector - Rick Massoels/Ramesh Tejuja  
Compliance Data Section  
Administrative and Development - Sara Cloe



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Technical Support and Modeling - Michele Boner