

CAMDEN WATERFRONT SOUTH AIR TOXICS PILOT PROJECT

Progress Report: June 11, 2003

Sources/Emissions Inventory

Site Visits: During May, Brad Bollen and Nancy Wilson visited the following facilities to gather information about potential air emissions. Attached is a list of the nearly final list of facilities to be modeled.

Plastic Consulting Mfg.
Peerless Castings
Cam Core
Duro Plating

Emission Rates: Emission rates have been developed for all of the sources at the facilities that will be modeled. As we go through the modeling analysis, we are doing some additional review to verify these emission rates.

Modeling

We have completed preliminary modeling for all facilities that emit inhalable particulate matter (PM10) and for 3 of the toxic air pollutants. Results will be presented at the June 17 Community Advisory Committee meeting.

FW Winter: The modeling results for chromium emissions from FW Winter show extremely small impacts on the Waterfront South neighborhood (which is about 1.5 miles away). However, there appear to be high local concentrations of particulate matter resulting from the facility emissions (if they are indeed as high as reported to USEPA under the TRI program). The Southern Regional Enforcement Office has been notified of this problem and a briefing has been scheduled.

Monitoring

We have been meeting weekly with our air monitoring staff to formulate a monitoring strategy.

1. Bucket Brigade: A draft monitoring plan has been developed which would allow for about 6 samples to be taken at 3 sites (for a total of 18 samples). The Bureau of Air Monitoring staff will build the buckets. We are now trying to find a laboratory to analyze the data and will soon be recruiting some citizens to help take the samples. County Health Department staff will assist in the coordination and sample collection.
2. Fixed Site Monitor: We visited several potential sites for a fine particulate monitor (PM2.5) with assistance from Chris Auth (Heart of Camden). At this site we would

monitor PM_{2.5} continuously for at least one year. The results will be available daily on our DEP Website. The final site will most likely be selected by early July.

Risk Reduction Strategies

Environmental Health Education: DEP participated in the Camden County Services Fair on May 16 & 17. Materials were provided on the following topics: Asthma, Indoor Air Pollution, Lead, Fish Advisories, Particulate Matter, and Risk Assessment. For this event a flyer was prepared which describes the Camden Waterfront South Air Toxics Pilot Project.

Pending Permits: We have received a request to have public hearings on the 5 permits which are currently pending in Camden City. Three of these are Operating Permits for facilities in Waterfront South (Camden Cogen, Camden RRF, and GP Gypsum). One permit is for changes in monitoring and reporting requirements at the CCMUA. The other permit is for a new paint spray booth at a Light Rail facility in East Camden. In addition to soliciting public comment on these permits, the Department is planning to have an information session on the permitting process and the contents of these particular permits later this summer.

Remaining sites left in inventory after deletions (June 11, 2003)

Camden County Municipal Utilities Authority (CCMUA)
Mafco (Pneumo Abex corp. is parent company)
Camden International Commodities Terminal
Art Metalcraft
Beckett St. Marine Terminal (South Jersey Port Corp.)
PSE&G Camden Coal and Gas
Central Metals, Inc.
Georgia Pacific (Domtar Gypsum inc./G-P Gypsum co.)
Container Recyclers of Camden
STE LAR textiles (Camden Gas and Mantle, Welsbach)
American Minerals, inc.
Hospital Central Services Inc. Laundry
Camden County Resource Recovery Association
Air Products & Chemicals
St. Lawrence Cement CO inc. @ S. Jersey Port
Colonial Processing
Comarco
Broadway Finishing
SL Surface Technologies
Camdett (formly site of Monsanto)
Camden Cogeneration
F.W. Winter
State Metal Industries inc.
CWS Industries
Duro Plating Co.
Camden Iron & Metal (Frag-site)
Innovative Recovery Products
Camden Asphalt & Concrete Co. inc.
Plastic Consulting & MFG Co.
H&S Provisions inc.
Teideken Bros Auto Body inc.
Cam Core
Camden Iron & Metal (The Pier)
Peerless Castings
F&R Pallets inc (Mobile Only)
Kaplan & Zubrin Inc. (Mobile Only)
R Fannelles Sons (Mobile Only)
Del Monte Fresh Produce NA (Mobile Only)
Gloucester City Terminal (Mobile Only)
Camden Yards Steel co. (Mobile Only)
Delaware Ship Supply Company inc. (Mobile Only)
J.L. Poultry (Jack Lambersky Poultry Co.) (Mobile Only)
R. Yaffa & Sons (Mobile Only)
National Paper Recycling (Mobile Only)
Jen-Cyn Enterprises (Mobile Only)

Note: Facilities labeled as "Mobile Only" have no identifiable air pollution emissions other than truck traffic.