

CAMDEN WATERFRONT SOUTH AIR TOXICS PILOT PROJECT

Progress Report: July 11, 2003

Sources/Emissions Inventory

Meeting with Neighborhood Industries: On July 8, DEP hosted a meeting for neighborhood industries to provide an opportunity for them to hear about the Energy Efficiency and Pollution Prevention audits offered by the NJ Center for Manufacturing Excellence. It is our hope that these audits could identify ways to reduce air emissions at some of these facilities. DEP staff also provided a brief overview of this Pilot Project and provided each facility that attended a copy of the emissions inventory information that we have collected so far for their company.

The following companies were represented at this meeting.

Art Metalcraft Plating Co.

Camden County Energy Recovery Corp.

Plastic Consulting

CWS

Camdett

Comarco Products

Hospital Central Service Laundry

CCMUA

Mafco

Modeling

Modeling for all facilities that emit inhalable particulate matter (PM10) has been re-run after corrections were made to the inventory. There are still some sources to be added to the PM10 inventory and then the model will be run again. In addition, we have a preliminary modeling for fine particulate matter (PM2.5), formaldehyde, arsenic, methylene chloride, and ethylene.

Camdett: We have done some simple modeling of the ammonia emissions from Camdett looking at several scenarios, including the emission rate on the new permits and the emissions found in the old stack tests. So far the model results do not show any problems; this is due to the fact that the threshold level for ammonia health effects is fairly high (3200 ug/m³ for a 1-hour average). However, we are investigating a few additional scenarios and are planning to model the results of the stack tests that were done in June as soon as they are available.

Monitoring

1. Bucket Brigade: A meeting is being planned for early in August to discuss monitoring strategies with residents and other persons who may be able to assist in collecting the samples. A date has not been set at this time.

2. Fixed Site Monitor: Based on feedback from the Citizens Advisory Committee, the DEP is looking into placing a continuous PM2.5 monitor (TEOM) on top of the CCMUA building. Participants at our June 17 advisory committee meeting indicated that this could be a reasonable option as long as CCMUA is not a source of particulate emissions. We have also recommended that an additional PM2.5 sampler which uses the Federal Reference Method (FRM) eventually be placed in the same location.