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Susan Gouveia

From: Lashway, Lisa
Sent: Thursday, April 10, 2014 3:10 PM
To: Canning, Sean; Susan Gouveia; Wilpert, Frank; Detoro, Fred; Spitzer, Mark
Subject: FW: NJDEP - Fenimore Landfill Status Update
Attachments: fenimore air Excavation H2 S one hour max.pptx

Please see below.

Lisa Lashway
Mt. Olive Twp. Clerk
973-691-0900 Ext. 7291
FAX 973-691-2080
PO Box 450
Budd Lake, NJ 07828

From: Randazzo, Cindy [mailto:Cindy.Randazzo@dep.state.nj.us]
Sent: Thursday, April 10, 2014 2:46 PM
To: Randazzo, Cindy
Cc: Rogers, Joseph
Subject: NJDEP - Fenimore Landfill Status Update

Dear Municipal Official:

We are contacting you to make you aware of NJDEP's plan for the long-term remedy of the hydrogen sulfide (H₂S) gas issue at the nearby Fenimore Landfill in Roxbury Township. NJDEP has already begun to implement the long-term remedy of impermeable capping with vegetative cover and a gas control and treatment system.

There has been much discussion about the viability of excavating the landfill and trucking the material from the site versus capping the landfill.

Based on an extensive assessment of the site conducted by DEP's technical experts and State-hired outside experts, we have concluded that excavating the landfill would result in the uncontrolled release of very high concentrations of H₂S. This would be extremely unsafe for nearby Roxbury residents and businesses, but also would impact the surrounding region—including your town—over the next two or more years.

Based on NJDEP's air model (see attached), it is very possible that plumes of gas ranging in concentration from 30 parts per billion (ppb) to more than 500 ppb could be generated during excavation. This would cause widespread, unacceptable public health concerns and general disruption to quality of life in your community. NJDEP will not allow the public to be exposed to these dangerous concentrations. Further, excavated material trucked off the landfill would be

expected to continue to emit concentrations of H₂S during transport, further exposing the public along those routes to H₂S emissions. Therefore, NJDEP will not excavate the Fenimore landfill.

We are providing a web link that contains reports, fact sheets and the presentations given to Roxbury Township about NJDEP's plans (<http://nj.gov/dep/fenimore/>). Included is the air model that shows the potential dispersal of H₂S gas if the landfill were excavated.

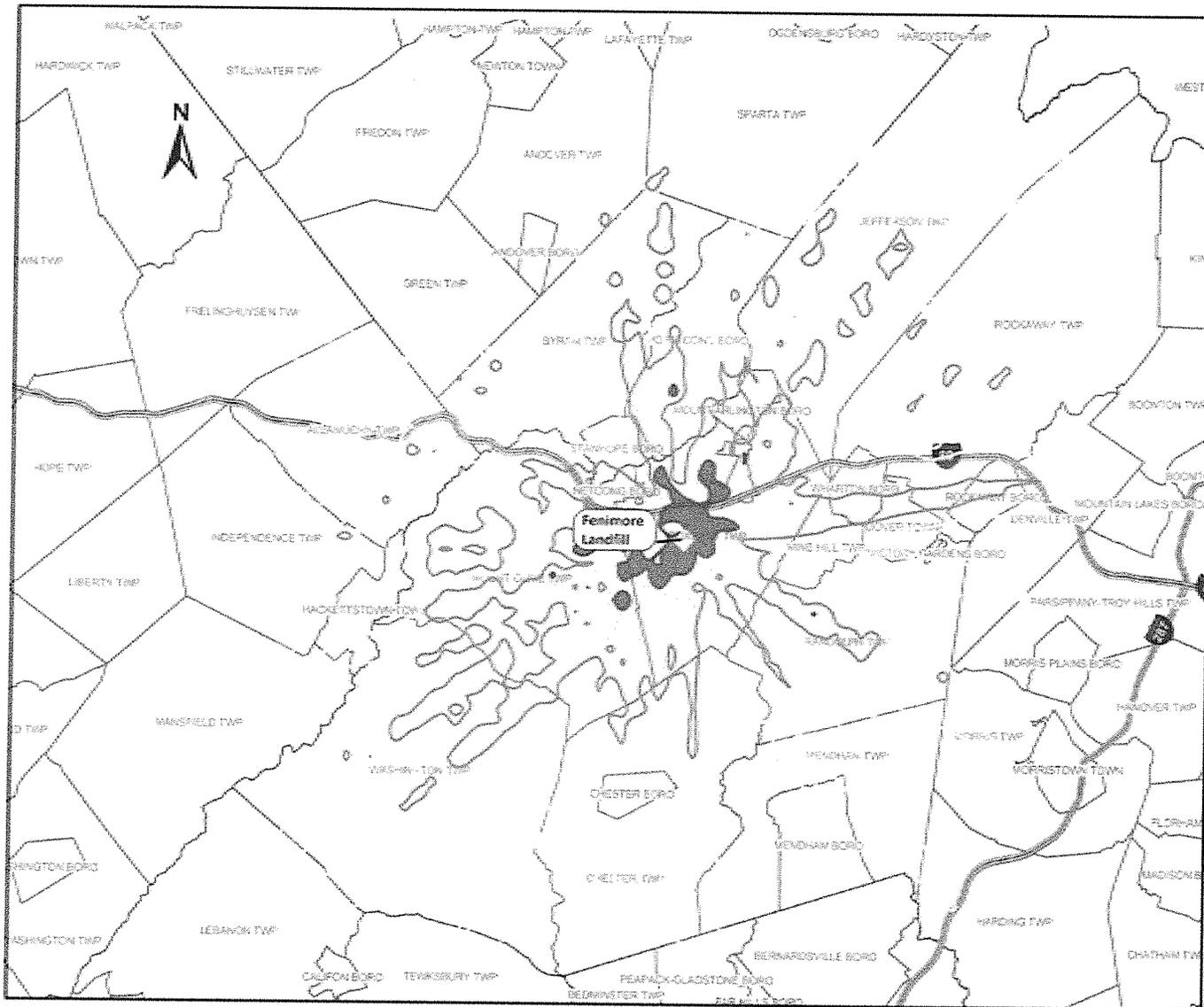
Should you have any questions or if you are interested in meeting with our technical team, please let me know. I would be happy to arrange such a meeting.

Sincerely,

Cindy W. Randazzo
Director
Office of Local Government Assistance
New Jersey Department of Environmental Protection
401 E. State Street
P.O. Box 402
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- 30 ppb - California Office of Environmental Health Hazard Assessment Acute 1-hour Exposure Level
- 100 ppb - Emergency Response Planning Guideline Notification
- 510 ppb - Advisory of Acute Exposure Guideline Level

0 miles 5 miles 10 miles

2012 Caldwell Meteorological Data

Fenimore Landfill Predicted 1-hour Hydrogen Sulfide Concentrations for Landfill Excavation

April 1, 2014