

Linde, Amy

From: Orlando, Paul <Paul.Orlando@dep.nj.gov>
Sent: Wednesday, October 05, 2016 4:32 PM
To: Ford, Monica; Janda, Donna
Cc: Goodman, Jenny
Subject: [External_Sender] NJ Potential Radium Sites
Attachments: Signed Letter to NRC - Potential Radium Sites.pdf


Dear Ms. Ford & Ms. Janda,

Attached, please find a letter summarizing the initial results of our research concerning the NRC list of NJ sites with potential radium contamination and our plan to investigate each site further. Please note, that the Bureau has completed preliminary scooping surveys for all known physical locations and no concerns were found. The Bureau is in the process of initiating phase two efforts of its investigation.

If you have any questions regarding this matter, please call me or Jenny Goodman, Manager, Bureau of Environmental Radiation.

Regards,

**Paul G. Orlando, Assistant Director
Radiation Protection Element**

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NJ Department of Environmental Protection
Division of Energy, Security and Sustainability
PO Box 420; Mail Code 25-01
Trenton, NJ 08625-0420
<http://www.state.nj.us/dep/rpp/index.htm>

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State of New Jersey

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

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BOB MARTIN
Commissioner

October 5, 2016

Monica Ford
Regional State Agreements Officer
Nuclear Regulatory Commission, Region I
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713

Dear Ms. Ford,

The New Jersey Department of Environmental Protection (DEP) has received the NRC's list of 26 potential non-military radium sites in New Jersey. These sites were identified by NRC as potentially contaminated with radium based on believed historic use for manufacturing products with radium or for medical or other applications.

DEP's Radiation Protection Element's Bureau of Environmental Radiation conducted research of state and other historical records on these sites. Our efforts to date have determined that 12 of these sites can be eliminated from further radiological investigation for various reasons, as stipulated in an earlier email communication to you. These 12 sites are either actively being remediated under the Environmental Protection Agency's Superfund program; are currently licensed by DEP and are subject to usage and storage requirements; were formerly licensed and have since been decommissioned; or were known contaminated sites previously remediated under DEP jurisdiction and have since been released for reuse.

For the remaining 14 sites, further investigation is needed and a plan of action has been developed and will be deployed. DEP radiation inspectors will evaluate each remaining site under a two-step approach. Initially, we will conduct screening radiation surveys in the areas of the identified sites in an effort to detect any gross/widespread radioactivity. These initial efforts are expected to be concluded by the end of this week. Any elevated levels will be noted and any necessary actions will be taken. However, a negative initial screening survey will not eliminate the site from further investigation. As a second step, DEP will contact site owners and local community officials to notify them of our planned activities and to gain permission from property owners to conduct more thorough, onsite investigations in order to determine whether there is any radium contamination and its extent. Any site we identify as contaminated through this process will be referred to DEP's Site Remediation Program or Emergency Response Program and remediated as appropriate. Sites we discover not to be impacted will be recorded and communicated to your office.

Should you have any questions or require further information regarding this matter, please contact Jenny Goodman, Manager of the Bureau of Environmental Radiation, at (609) 984-5400.

Sincerely,

A handwritten signature in dark ink, appearing to read "Paul G. Orlando", with a large, stylized initial "P" and a long, sweeping underline.

Paul G. Orlando
Assistant Director
Radiation Protection Element



State of New Jersey

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Assistant Director
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