




Sub Slab VI Building 91

Thursday, December 9, 2010 1:26 PM

From: "Joe Marchesani" <Joe.Marchesani@dep.state.nj.us>

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VI is acceptable. see attached.

We intend to proceed with final review process for the Draft Final Remedial Design (July 2010) and Draft Final ROD (July 2010) for PICA 013.

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State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

CHRIS CHRISTIE
Governor

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

Memorandum

Date: 11/9/2010
To: Greg Zalaskus, Case Manager
Emergency Management Program
From: Joseph Marchesani, Hydrogeologist
Bureau of Ground Water Pollution Assessment
Subject: Picatinny Arsenal, Dover, New Jersey
Draft Final Vapor Intrusion Evaluation, Area P
Site 78 (PICA 013)
December 2010

The Bureau has received and reviewed the subject document. The document is acceptable as submitted. The Building 91 Vapor Intrusion Evaluation indicates all sub slab volatile compounds are below acceptable criteria.

Vapor Intrusion Evaluation

A vapor intrusion evaluation was triggered at building 91 when Picatinny asserted that the compound of concern is Vinyl Chloride and that the average Total Volatile Organic Concentration within building 91 breathing zone averaged about 240 ug/m³. However, it was unclear if a vapor intrusion investigation was conducted in accordance with N.J.A.C. 7:26E-1.18.

Picatinny then conducted a vapor intrusion evaluation in accordance with N.J.A.C. 7:26E-1.18 commencing on October 19 2010 and ending November 3, 2010 due to a faulty summa canister.

The results of the study indicate sub slab concentrations of Carbon Disulfide (190ug/m³), toluene (14ug/m³), trans-1,2-DCE (12ug/m³), and PCE (26ug/m³). No vinyl chloride was detected. All detected constituents are below the applicable criteria.

Conclusion

The report recommends no further action, and the reviewer concurs. If there are any questions or concerns, please contact me at 609-292-0885.

JM./