

Health Consultation

Follow-up Evaluation of Soils at Daycare Properties Located
Near Raymark Industries Waste Disposal Areas

RAYMARK INDUSTRIES, INCORPORATED
STRATFORD, FAIRFIELD COUNTY, CONNECTICUT

EPA FACILITY ID: CTD001186618

SEPTEMBER 28, 2007

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Agency for Toxic Substances and Disease Registry
Division of Health Assessment and Consultation
Atlanta, Georgia 30333

Health Consultation: A Note of Explanation

An ATSDR health consultation is a verbal or written response from ATSDR to a specific request for information about health risks related to a specific site, a chemical release, or the presence of hazardous material. In order to prevent or mitigate exposures, a consultation may lead to specific actions, such as restricting use of or replacing water supplies; intensifying environmental sampling; restricting site access; or removing the contaminated material.

In addition, consultations may recommend additional public health actions, such as conducting health surveillance activities to evaluate exposure or trends in adverse health outcomes; conducting biological indicators of exposure studies to assess exposure; and providing health education for health care providers and community members. This concludes the health consultation process for this site, unless additional information is obtained by ATSDR which, in the Agency's opinion, indicates a need to revise or append the conclusions previously issued.

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Prepared By:

The Connecticut Department of Public Health
under cooperative agreement with
The Agency for Toxic Substances and Disease Registry

The conclusions and recommendations in this health consultation are based on the data and information made available to the Connecticut Department of Public Health and the Agency for Toxic Substances and Disease Registry. The Connecticut Department of Public Health and the Agency for Toxic Substances and Disease Registry will review additional information when received. The review of additional data could change the conclusions and recommendations listed in this document.

BACKGROUND AND STATEMENT OF ISSUE

This document evaluates supplemental soil data and issues revised Public Health Implication Statements (PHISs) for three school/daycare properties that were evaluated previously as part of a Health Consultation prepared February 13, 2007 (ATSDR 2007). In the February 2007 Health Consultation, the Connecticut Department of Public Health (CT DPH) reviewed soil data and made public health determinations for several daycare and school properties in Stratford that were initially investigated by EPA more than ten years ago as part of environmental studies of the Raymark Industries Superfund Site. In the February 2007 Health Consultation, CT DPH recommended that three properties be referred to the Stratford Health Department (SHD) for further investigation because soil results showed the presence of lead at levels above 400 ppm, that could possibly present a public health threat. The three referred properties are 61 California Street, 868 East Broadway, and 2110 Main Street. Two of these properties are daycares currently licensed by CT DPH. The third is a school but is not currently a licensed daycare. This document provides a follow-up evaluation of the three properties.

DISCUSSION

In April and June 2007, the SHD collected additional soil samples from the two properties that are licensed daycares (Sunny Days Preschool, 61 California Street and Helen King School, 868 East Broadway). In August 2007, the SHD obtained soil samples from the third property (2110 Main Street, St. James School). A total of 27 soil samples were collected from the three properties. Samples were collected from the top 3 inches of all bare soil areas. In addition, a paint chip from 61 California Street was also collected. All samples were analyzed for lead. Table 1 provides a summary of the soil results. As shown in the Table, lead was not detected in soil at levels above 400 ppm. A lead concentration of 400 ppm is Connecticut's residential soil cleanup standard (CT Residential Direct Exposure Criteria for Soil, Remediation Standard Regulations). Lead levels below 400 ppm require no further action. Regarding the paint chip, analysis showed that it was below the action level of 0.5% and is not considered elevated (EPA 2007).¹

Table 1. Summary of Soil Lead Results from Three Schools/Daycares in Stratford, April, June, August 2007.

Property	Number of Soil Samples	Range of Lead Concentrations (mg/kg, ppm)
61 California Street	8	76 - 327
868 East Broadway	12	81 - 292
2110 Main Street	7	ND - 58

¹ The Stratford Health Department uses 0.5% as the threshold limit for lead in paint, above which the lead paint should be addressed. This level is also used by the US Environmental Protection Agency and the Department of Housing and Urban Development and comes from the Residential Lead-Based Paint Hazard Reduction Act of 1992.

CONCLUSIONS AND RECOMMENDATIONS

CT DPH has evaluated supplemental soil testing results from three properties in Stratford that were referred to the SHD for additional investigation because of elevated levels of lead. Based on the available information, CT DPH has reached the following conclusions regarding public health implications from exposure to soils at these properties.

Public Health Implication Statement

1. No Public Health Hazard, No Further Action Necessary

Based on the available soil testing data, CT DPH has determined that the three properties listed below pose no public health hazard at this time. No further actions are needed at this time for these properties.

61 California Street (Sunny Days Preschool, formerly Honey Bear Learning Center)
868 East Broadway (Helen King School)
2110 Main Street (St. James School)

REFERENCES

ATSDR 2007. Health Consultation. Evaluation of Soils at Selected School/Daycare Properties Located Near Raymark Industries Waste Disposal Areas. Prepared by the Connecticut Department of Public Health, February 13, 2007.

EPA 2007. Lead in Paint, Dust and Soil, US Environmental Protection Agency, <http://www.epa.gov/lead/index.html>, accessed on September 21, 2007.

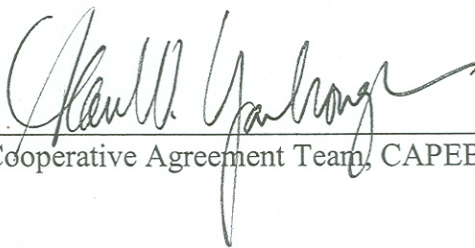
CERTIFICATION

The Health Consultation for **Follow-Up Evaluation of Soils at Daycare Properties Located Near Raymark Industries Waste Disposal Areas**, was prepared by the Connecticut Department of Public Health under a cooperative agreement with the Agency for Toxic Substances and Disease Registry (ATSDR). It is in accordance with approved methodology and procedures existing at the time the health consultation was initiated. Editorial review was completed by the Cooperative Agreement Partner.



Technical Project Officer, Cooperative Agreement Team, CAPEB, DHAC, ATSDR

The Division of Health Assessment and Consultation (DHAC), ATSDR, has reviewed this Health Consultation and concurs with its findings.



Team Leader, Cooperative Agreement Team, CAPEB, DHAC, ATSDR

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