

**TOWN OF GREENWICH
GREENWICH PUBLIC SCHOOLS
Greenwich, CT**

Western Middle School Fields Update

Lead and Chlordane Areas Successfully Delineated
PCB Areas Require Further Soil Sampling to Complete Delineation

For Immediate Release: Greenwich, CT - Friday, November 4, 2016 - The Town's environmental consultant (Langan) has completed the initial round of delineation soil sampling for the Western Middle School (WMS) athletic fields. As previously stated, the purpose of the delineation soil sampling is to define the extent of soil remediation that is proposed for areas of the WMS fields impacted with elevated levels of lead, chlordane, and PCBs.

Lead and Chlordane Delineation Results

- Last month, Langan's soil delineation sampling for lead and chlordane included the completion of 24 shallow soil borings to horizontally delineate lead and chlordane impacts at three locations on the WMS athletic fields. The goal of the delineation soil sampling was to define the horizontal extents of elevated concentrations of lead (above 606 mg/kg¹) and chlordane (above the residential direct exposure criteria [RDEC] of 0.49 mg/kg). Based on the delineation sampling results, the size of the areas proposed for future remediation of lead and chlordane is now understood. Approximately 75-100 cubic yards of lead- and chlordane-impacted soil is proposed for excavation and off-site disposal.
- In response to these results, GPS administration and Town officials in consultation with Langan, the Connecticut Department of Public Health (CT DPH), and the Connecticut Department of Energy and Environmental Protection (CTDEEP) are discussing the potential re-opening of some portion of the WMS fields. The specific areas targeted for remediation would remain fenced off until the plan to remove the contaminated soil is developed and implemented. However, field access will not be restored, even partially, until those areas of the site with PCB contamination have been fully delineated (discussed below).

PCB Delineation Results

- Langan is in the process of delineating the presence of PCBs in soil at three locations at the WMS fields. Preliminary findings have identified concentrations of PCBs above CT's RDEC of 1 mg/kg at several locations. The REDC are set forth in Connecticut's Remediation Standard Regulations ("RSRs") which, although not applicable to this site, are being used as guidance. At one of the three locations, soil samples were reported to contain concentrations of PCBs above the CT significant environmental hazard (SEH) threshold of 15 mg/kg (15x the RDEC). Delineation of the PCB impacted soils is not

¹ As part of Langan's previous human health risk assessment (HHRA), Langan calculated an action level of 606 mg/kg for lead in soil in accordance with USEPA's Integrated Exposure Uptake Biokinetic (IEUBK) Model for lead in children. This remediation action level for lead was approved by the Connecticut Department of Public Health.

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complete, and Langan will continue to sequentially analyze delineation samples until the 1 mg/kg criteria is met. Based on the current results, additional mobilization and field sampling will be required to complete delineation activities. At this time, the schedule for completion of PCB delineation is unknown and is contingent on the results of sampling and analyses not yet conducted.

- The fields remain fenced with restricted access.
- Langan continues to coordinate these efforts with the CT-DEEP, PCB Division.

Following the completion of soil delineation activities, Langan will develop a Remedial Action Plan (RAP) that will include the following:

- Development and execution of action plans for the protection of students, faculty, on-site workers, community, and the environment during soil disturbance activities;
- Excavation and off-site disposal of impacted soils;
- Placement of a highly visible demarcation barrier (e.g. orange snow fencing) between residual site material and imported backfill material; and
- Backfilling of remedial excavation areas to grade with imported certified clean fill.

We will continue to provide updates to the community as new results and information become available.

Western Middle School Fields Project Background

Environmental testing conducted over the summer of 2016 on soil samples from the Western Middle School (WMS) fields indicated levels of constituents that exceed the CT-DEEP residential direct exposure criteria in some areas. Concentrations of the constituents identified did not exceed Federal or State regulatory thresholds requiring immediate reporting or action. However, based on these results, and after initial consultation with the Town and State Departments of Public Health, the Western Middle School fields were closed as a precautionary measure. Additional soil testing is underway in order to determine the extent of the constituents present in the fields and to develop a remedial action plan.

For More Information:

Visit the GPS website at www.greenwickschools.org/wmsfields.

Inquiries should be directed to Kim Eves, Greenwich Public Schools Director of Communications, at kim_eves@greenwich.k12ct.ct.us or 203-625-7415.

About Langan: www.langan.com

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