Geneva Car Barn and Powerhouse

EPA Brownfield Clean-up Grant Application Presentation

November 20, 2015
Grant Overview

• Total amount - $200,000.

• Grant Application, Analysis of Brownsfield Cleanup Alternatives, and Draft Remedial Plan will be available for viewing online at sfrecpark.org/destinations/geneva-car-barn and Ingleside Branch Library Reference Desk.

• Public comments accepted thru December 14, 2015.

• Recipients will be notified in July, 2016.

• Grants will be awarded in October, 2016.
Site Conditions

• In 2013, Ecology and the Environment conducted testing at GCBPH as part of an EPA TBA grant awarded to the Friends.

• The following contaminants were found at the site at levels above commonly accepted cleanup screening criteria:
  – Asbestos Containing Material (ACM)
  – Lead-based paint
  – Polychlorinated Biphenyls (PCBs)

• Based on this testing, and with additional funding from the EPA, an Analysis of Brownsfield Clean-up Alternatives (ABCA) Report was created by Weston in 2015.
Site Contamination

• *Asbestos (ACM)*
  – Primary exposure pathway is inhalation.
  – Long term exposure can cause serious and fatal illnesses including malignant lung cancer, mesothelioma, and asbestosis (a type of pneumoconiosis).

• **Lead-based paint (LBP)**
  – Primary exposure pathway is ingestion.
  – Exposure can have adverse health effects on the blood, kidneys, nervous, immune, and cardiovascular systems.

• **Polychlorinated Biphenyls (PCBs)**
  – Primary exposure pathway is ingestion and dermal contact.
  – PCBs are potentially carcinogenic, can have adverse health effects on the immune, reproductive, nervous, and endocrine systems.
Conceptual Clean-up Plan

- Based on the ABCA Report, Weston has created a conceptual clean-up plan.

- Plan includes:
  - Asbestos containing material abatement and monitoring,
  - lead-based paint abatement, and
  - polychlorinated biphenyl (PCB) contaminated concrete

- Additional characterization results, along with the previous results from the E & E TBA, will be used to prepare a Feasibility Study/Remedial Action Plan (FS/RAP).
Agency Approval/Participation

- Clean-up approach is *conceptual*. A final feasibility study and remedial action plan will be created with funding from the grant.
- Agencies will ensure that the Plan is protective of human health.
- CA Department of Toxic Substances Control will review and approve the FS/RAP.
- DPH will perform the lead agency oversight role.
Toxic Material Management

• All site remediation activities will be performed by an appropriately qualified and licensed contractor(s) procured in accordance with all applicable local, state, and federal requirements.

• During the remediation, the overseeing contractor will:
  - obtain applicable permits,
  - perform monitoring inside and outside of the regulated work areas during the removal process, and
  - conduct final visual inspections in order to ensure that all hazardous materials identified within the project specifications have been properly removed.
# Tentative Schedule

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant Due</td>
<td>December 18, 2015</td>
</tr>
<tr>
<td>Award Notification</td>
<td>July, 2016</td>
</tr>
<tr>
<td>Grant Funding</td>
<td>Sept, 2016</td>
</tr>
<tr>
<td>Community Presentation</td>
<td>Oct/Nov, 2016</td>
</tr>
<tr>
<td>Clean-up begins</td>
<td>Nov/Dec, 2016</td>
</tr>
<tr>
<td>Clean-up Complete</td>
<td>Jan/Feb, 2017</td>
</tr>
</tbody>
</table>