



Geneva Car Barn and Powerhouse

EPA Brownfield Clean-up Grant Application Presentation

November 20, 2015



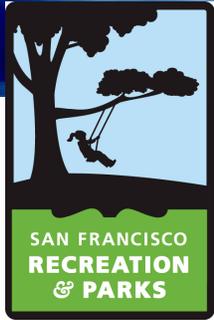
Grant Overview

- 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.



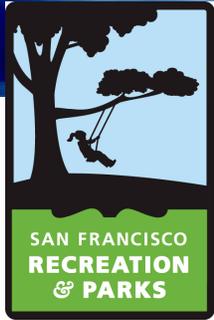
Site Conditions

- In 2013, Ecology and the Environment conducted testing at GCBPH as part of a 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.



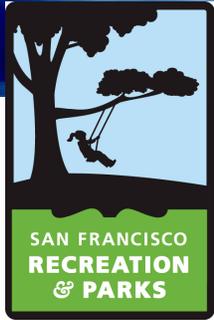
Site Contamination

- **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

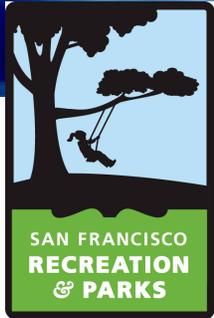
- Based on the ABCA Report, Weston has created a conceptual clean-up plan.
- Plan includes:
 - Asbestos containing material abatement and monitoring,
 - lead-based paint abatement, and
 - polychlorinated biphenyl (PCB) contaminated concrete
- Additional characterization results, along with the previous 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 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

Grant Due	December 18, 2015
Award Notification	July, 2016
Grant Funding	Sept, 2016
Remedial Action Plan Creation	Sept/Oct, 2016
Community Presentation	Oct/Nov, 2016
Clean-up begins	Nov/Dec, 2016
Clean-up Complete	Jan/Feb, 2017

