

Project site consists of approx. 1.7 acres of undeveloped land bounded to the north by 62nd Street, to south by Westinghouse property, to the west by SP railroad tracks, and to the east by parking lot for 6121 Hollis Street bldg. The site is proposed to be developed as a USPS facility by 6/94. Facility expected to cover 95% of native soil. Cover cap consists of building foundations, asphaltic parking areas, & drives. Small strips of land primarily at front entrance along 62nd Street, will be left uncapped to allow planting for landscape. Property used by several tenants; Thomas Rigging (draying /rigging company), ITT Grinell (plumbing supply business), & the UC Livermore Lab, warehouse for storage and repair of automobiles.

1930 Sanborn map showed the site used as a oil distribution facility occupied by both Shell and Guardian Oil Companies. 14 above ground storage tanks ; four of which stored gasoline (southeastern portion of site). Facility demolished sometime prior to 1949. PCBs were detected along property's southwestern boundary adjacent to railroad spur. Preliminary on site construction activities in 1/93 & 2/93 uncovered underground pipes and 600 gal UST at site; geophysical survey found other anomalies. 5 trenches were excavated in 2/93; 14 soil samples were collected; found up to 6 ppm TPH diesel fuel, 56 ppm kerosene, 81 ppm TPH oil & grease and 0.053 ppm PCBs. Westinghouse operations - began in 1924; found up to 430,000 ppm PCBs in soil; up to 130,000 ppm PCBs in soil on property located directly south of the project. PCBs were detected in gw . Between 1985 & 1986, WEC remediated by excavation & off site disposal of high impacted soil & on site encapsulation of soil containing lower PCBs. Bentonite and polymer slurry wall was installed around site to a depth of 30 to 35 ft. 5 trenches excavated in 1993; A to L exploratory trenches; 2,000 cu yds to be excavated; 3 to 5 MWs to be installed near upgradient property boundary.

- 5/28/93 Transferred to LOP
- 6/3/93 ACDEH letter in response to Preliminary Soil Quality Evaluation (4/16/93)
- 7/13/93 ULR filed
Faxed WP (9/7/93) prepared by Lowney Associates for soil vapor extraction to remediate TPH found at site.
- 7/20/93 Memo to files re: meeting of 7/20/93
- 7/28/93 Memo by BO re: overexcavation at site; sheen observed in gw at pit
- 7/30/93 Soil and GW Quality Evaluation
SE corner of site 13,000 ppm TPH heavier than gas; soil vapor survey; 46 vapor probes (1/2 in. diameter) 14 soil samples collected from 5 trenches; old utility lines found; 2 USTs found; 4 MWs installed in 6/7/93.
MW1A- diesel sheen found chromatograms pattern include kerosene, non kerosene, non-diesel; shallow gw ; semi confined ; sand & gravel represents buried stream channel deposits; regional flow towards west (bay) but may be influenced by slurry wall
- 4 forms of TPH detected at site - diesel gasoline, oil & grese, kerosene mainly at depth of 3 ft bgs. The impacted soil appears to be located with in 6 to 18 inch layer directly above water in southern portion of the site.
GW encountered at 4 to 9 ft bgs.
TPH diesel as high as 4900 ppb found in water near the down gradient site boundary;
TPH gasoline as high as 1500 ppb found near southeast corner of the site (both on -&off-site source) Benzene at 3.2 ppb detected in water.
Recommended no further remediation, only monitoring of water , & seek legal counsel for former on site tenants & owners to evaluate RPs , & obtain financial assistance for further remediations.

Performed svcs (soil vapor survey)(46 vapor probes/vapor extraction feasibility), conversion of 4 borings into wells, slug tests on 4 wells, probes drilled between 3 to 5 ft bgs depending on depth to gw.

- 8/2/93 2 USTs removed
- 8/3/93 Faxed draft letter re: site status
Proposed overexcavation in 2 areas; 13,000 ppm TPH & 0.042 ppm PCBs detected; area of former train track spur 670 ppm TPH & 0.62 ppm PCBs at 1 ft bgs.
- 8/10/93 Faxed memo by Charles re: meeting
Report by Lowney Asso. Preliminary Results of Soil Verification Samples,
Results of tank excavation near center & excavation located near southeast corner of site SS-1 below UST found 1,800 ppm diesel, over excavated to gw at 6 ft bgs; verification samples found 240 ppm diesel (SS-8) near southwest wall., no further excavation warranted in central tank removed. Southeast corner excavation extended to gw & within 1 foot of slurry wall. Two additional samples collected found 17,000 ppm TPH oil can not overexcavate due to close proximity to slurry wall.
- 8/11/93 Minutes of additional overexcavation ; meeting of 8/10/93
- 8/18/93 Memo from BO : USPS wants to just monitor; need to determine extent of contamination laterally; evaluate risks.
- 9/13/93 Meeting with USPS - 1 MW at site; installed 4 additional wells (total of 5 wells).
Need to submit site history report Phase 1 by Dames & Moore
- 9/13/93 Rec'd Underground Fuel Tank Removal & Soil Excavation Report dated 9/8/93
Work performed on 5/7/93
- 600 gal northern UST in good condition, no obvious holes & soil samples ND for gas, diesel, oil
- 500 gal central UST ; had several holes & tear noted on west side; soil samples found 1800 ppm /150 ppm TPH diesel; 150 gal water pumped from pit; gw sample collected found 0.69 ppm diesel ; overexcavated to gw; sidewalls found 240 ppm TPH diesel; encountered layer of petroleum impacted soil just above water; not related to USTs but from 14 AGTs used on site.
- 8/3/93 removed 6 in. product pipe ; TPH oil= 1600 ppm/1200 ppm; TPH diesel = 110 ppm
- 7/26-27/93 460 cu yds oil impacted soil excavated from SE corner of site; 1 sample found 17,000 ppm TPH oil in southern excavation wall within one foot of southern property; can not overexcavate 17,000 ppm oil due to close proximity to slurry wall; need to install well near this area if no well has been installed.
- 8/11/93 removed 260 cu yds railroad ballast; PCBs =nd; TPH oil =170 ppm (verification samples).
- 9/17/93 Site visit - meeting with Charles Wren; site walk thru'; very close to railroad tracks & Westinghouse;
(Talked to SP - Jim Kramer) noticed strong TPH odor; advised to contact /call office .
Lots of stockpiled soil next to the rail road tracks
Rec'd ff reports : Dames & Moore Site History Research (3/26/93); Two Underground Fuel Tank Removal & Soil Excavation;
- 9/17/93 Rec'd Remedial Measures prepared by Lowney Asso. ; proposed continued monitoring Soil vapor & gw extraction system to control plume migration