

TABLE 4.5.1.3–3.—Summary of Contaminants of Concern Identified in the Soil at AL–PX–12 and Recommendations

SWMUs/ AOCs	COCs FOR SURFACE SOILS	COCs FOR SUBSURFACE SOILS	RECOMMENDATIONS
Zone 10 SWMUs Scrap Salvage and Storage Yard (SWMU #84)	SVOC- Benzo(b)fluoranthene Pesticides/PCBs- Aldrin, Dieldrin, PCBs (total)	Pesticides/PCBs- Aldrin, Dieldrin, PCBs (total) Metals- Chromium (total), Chromium VI	Additional characterization of PCBs to further define the surface extent.
Former Waste Drum Storage Area (SWMU #143)	SVOCs- Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene Pesticides- Aldrin, Dieldrin Toxaphene PCBs (Total) Metals- Cadmium, Lead*	Pesticides/PCBs- Aldrin, Dieldrin PCBs (Total)	This area has not been characterized to background for several analytical groups, including pesticides, PCBs, and metals. Further sampling is recommended to define the extent of constituents identified as COCs.
Battery Storage Areas Former Battery Storage Area (SWMU #103)	Metals- Cadmium, Lead*	Metals- Selenium	Extent of contamination has been defined. No additional site characterization is recommended.
Battery Storage Area (AOC #14)	Metals- Lead*	None identified.	Extent of contamination has been defined. No additional site characterization is recommended.
Overflows From Building 11-36 Collection Sump (SWMU #113)	HEs- 1,3,5- Trinitrobenzene, 2,4,6-Trinitrotoluene Metals- Arsenic, Lead*	SVOCs- Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene Di-benzo(a,h)anthracene Metals- Arsenic, Cadmium, Mercury, Lead*	Additional site characterization is recommended. However, it is recommended that further action be deferred until after operations cease, at which time further characterization will occur and efforts will not be duplicated.
Transformer Leak and PCB Spills Transformer Leak (AOC #1)	Pesticides/PCBs- Aldrin, Heptachlor epoxide, PCBs (Total)	Pesticides/PCBs- Aldrin, Dieldrin, PCBs (Total)	Additional surface soil samples to define the lateral extent of PCBs are recommended.
Main Electrical Substation (AOC #2)			NFA has been granted by the TNRCC and was not considered further in the RFI/Corrective Measures Studies process.
Electrical Equipment Boneyard (AOC #5)	Pesticides/PCBs- Aldrin, Chlordane, Dieldrin, PCBs (Total)	None identified.	Extent of contamination has been defined. No additional site characterization is recommended.

TABLE 4.5.1.3–3.—Summary of Contaminants of Concern Identified in the Soil at AL–PX–12 and Recommendations–Continued

SWMUs/ AOCs	COCs FOR SURFACE SOILS	COCs FOR SUBSURFACE SOILS	RECOMMENDATIONS
Capacitor Bank Rupture in Zone 12	PCBs (Total)	None identified.	Extent of contamination has been defined. No additional site characterization recommended.
Former Boiler House Areas (AOC #3) Boiler House in Zone 10	Metals-Lead*	None identified.	Extent of contamination has been defined. No additional site characterization recommended.
Boiler House in Zone 11	SVOCs- Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Di-benzo(a,h)anthracene Metals-Mercury, Lead*	None identified.	Additional surface soil analysis using EPA Method 1312 for Synthetic Precipitation Leaching Procedure is recommended to define the lateral extent.
Sulfuric Acid Spills (AOC #7) Oleum Tank at Building 11-36	HE-RDX	None identified.	It is recommended that AOC #7 be considered for NFA, as there is no evidence of a significant release.
Sulfuric Acid Tank near Building 12-4	None identified.	None identified.	This site is recommended for NFA.
Sulfuric Acid Pit at Building 12-64	None identified.	SVOCs- Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene	It is recommended that this site be considered for NFA, as there is no evidence of a significant release.
Various Solvent Leaks (AOC #8) Drum Storage at Pad 11-12/ 11-13	HE-2,4,6-Trinitrotoluene Pesticides/PCBs- Aldrin, Dieldrin, PCBs (Total)	Pesticides/PCBs-Aldrin, Dieldrin, PCBs (Total)	It is recommended that this site be considered for NFA, as there is no evidence of a significant release.
Drum Storage near Building 11-17	Pesticides/PCBs-PCBs (Total), Chlordane, Dieldrin	Pesticides/PCBs-Aldrin, Dieldrin, PCBs (Total)	It is recommended that this site be considered for NFA, as there is no evidence of a significant release.
Drum Storage near Building 11-22	Pesticides/PCBs- Aldrin, Dieldrin, PCBs (Total)	Pesticides/PCBs-Aldrin, Dieldrin, PCBs (Total)	It is recommended that this site be considered for NFA, as there is no evidence of a significant release.
Drum Storage near Building 11-36	SVOC- Di-benzo(a,h)anthracene Pesticides/PCBs- Aldrin, Dieldrin, PCBs (Total)	Pesticides/PCBs-Aldrin, Dieldrin, PCBs (Total)	Extent of contamination has been defined. No additional site characterization recommended.

TABLE 4.5.1.3–3.—Summary of Contaminants of Concern Identified in the Soil at AL–PX–12 and Recommendations-Continued

SWMUs/ AOCs	COCs FOR SURFACE SOILS	COCs FOR SUBSURFACE SOILS	RECOMMENDATIONS
Pesticide Releases Pesticide Building 12-43A (AOC #10)	HEs -1,3,5-Trinitrobenzene, 2,4,6-Trinitrotoluene, RDX SVOC -Benzo(a)pyrene Pesticide/PCBs -Chlordane, PCBs (total)	SVOC -Chlordane Pesticides/PCBs -Dieldrin, PCBs (Total)	Extent of contamination has been defined. No additional sampling is recommended.
Pesticide Building 12-51 (AOC #10)	SVOCs -Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene Pesticide/PCBs -Chlordane, PCBs (total)	Pesticide/PCBs -Aldrin, Dieldrin, PCBs (total)	Additional site characterization is recommended to define the extent of pesticide contamination. Leachability studies of soils at this site, using EPA Method 1312 for Synthetic Precipitation Leaching Procedure may support NFA.
DDT Release at Building 12-35 (AOC #15)	SVOCs -Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(a)anthracene Pesticide/PCBs -Chlordane, Heptachlor epoxide, PCBs (total)	Pesticide/PCBs -Aldrin, Dieldrin, PCBs (Total)	Additional characterization is needed to define the extent of pesticide contamination, and lateral extent of PCB contamination.
Evaporation Pits/Leaching Beds Evaporation Pits near Building 11-20	Metals -Chromium (Total), Mercury, Lead*	HE -RDX Metal -Lead*	Extent of contamination has been defined. No further characterization is recommended at the Evaporation Pits Near Building 11-20.
Former Leaching Beds near Building 11-36	HE -RDX Metal -Mercury	None identified.	Extent of contamination has been defined. No additional characterization is recommended for this site.
Building 12-5 Sump	SVOCs -Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(a)anthracene Metals -Chromium (Total), Cadmium, Nickel, Lead*	None identified.	A recommendation has been made to collect additional data to verify that Building 12-5 Sump is the source of contamination and to determine the extent of contamination.

*Lead was eliminated during the toxicity evaluation of the Focused Risk Analysis because there are no published toxicity values in the hierarchy of information sources specified in the Texas Risk Reduction Regulations. However, lead has been treated as a COC at this site because measured concentrations of lead exceed the established background Upper Tolerance Limit values.

Source: USCOE 1995e