APPENDIX B

SOIL BORING LOGS

B-1 URSGWC RATIONALE FOR SOIL BORING LOCATIONS AND ANALYSES
B-2 URSGWC SOIL BORING LOGS
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B-1

URSGWC RATIONALE FOR SOIL BORING LOCATIONS AND ANALYSES

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AREAS OF CONCERN TO BE INVESTIGATED WITH SOIL SAMPLING
REMEDIAL INVESTIGATION
STRATFORD ARMY ENGINE PLANT
STRATFORD, CONNECTICUT

No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
1	North parking lot		Total: 2	
		1-A		
		1-A-1 – lagoons or pits	2	Confirm presence of potential contamination associated with lagoons or pits observed in historical aerial photographs
		1-B		
		1-B-1 Remainder of North Parking Lot	0	Contingency samples for Phase II or to document conditions in areas within Site but removed from manufacturing areas
2	Outlying tidal flats		Total: 0	
		None	--	Sediment sampling to be conducted
3	Northern portion of B-2 (shipping/receiving, manufacturing, and offices)		Total: 2	
		3-A		
		3-A-1 - Northeast corner of B-2 adjacent to B-65	1	Confirm presence of contaminated soil in area in which contaminated soil was encountered during construction (paint and zinc/chromate)
		3-B		
		3-B-1 – Soil boring WC-9S	1	Confirm presence of exceedances of RSRs
		3-C		
		3-C-1 – Remainder of parcel outside of above potential areas of concern.	0	Contingency samples for Phase II or to fill data gaps; evaluate soil conditions in other areas; potential for historical sources
4	B-65 (storage facility)		Total: 0	
		Included in area 3-A; parcel is within hydraulic fill area.		--

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
5	B-36 (pumphouse) B-73 (storage shed)		Total: 2	
		5-A		
		5-A-1 - Soil borings WC-7S and BR-8	1	Confirm presence of exceedances of RSRs. Soil contamination associated with radiological storage being investigated by others.
		5-A-2 Pump station B-36 and upgradient drainage lines (WWSS1)	1	Potential for stormwater drainage system as a source of contamination. Subject to review of Allied Signal Records. WWSS1 runs through a leased section of B65 so no borings are located there.
		5-B		
		5-B-1 Remainder of parcel outside of above potential areas of concern; parcel is within hydraulic fill area.	0	Fill data gaps; evaluate soil conditions in other areas; potential for historical sources
6	B-58 (missile assembly/standards lab)		Total: 5	
		6-A		
		6-A-1 – Soil borings WC-6S, BR-6, and BR-7.	1	Confirm presence of exceedances of RSRs.
		6-A-2 – Building B-58; B-58 satellite waste accumulation area. See Note 2.	3	Evaluate presence and extent of oil encountered during construction of B-58. Subject to confirmation by Allied Signal.
		6-A-3 - Inactive septic tank	1	Evaluate septic tank as a potential source; zinc chromate paint sludge reportedly deposited in abandoned septic. Subject to confirmation by Allied Signal.
		6-B		
		6-B-1 Remainder of parcel outside of above potential areas of concern; parcel is within hydraulic fill area.	0	Fill data gaps; evaluate soil conditions in other areas; potential for historical sources

TABLE 3
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REMEDIAL INVESTIGATION
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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
7	Western portion of B-2 (cafeteria, mailroom, medical, and guard headquarters)		Total: 1	
		7-A		
		7-A-1 - Soil boring WC-11S	1	Confirm presence of exceedances of RSRs
		7-B		
		7-B-1 Remainder of parcel outside of above potential areas of concern	0	Contingency samples for Phase II or to fill data gaps; evaluate soil conditions in other areas; potential for historical sources
8	Central portion of B-2 (manufacturing area)		Total: 26	
		8-A		
		8-A-1; 8-A-2; 8-A-3 - Final assembly area sunken drip pans; Inactive septic tank east of Final Assembly air lock	3	Potential leakage from sumps; inspect first to evaluate potential; Potential for hazardous materials deposited in septic tanks. See Note 1 for inactive septic tank.
		8-B		
		8-B-1 - Old septic tank near B-42	0 (covered by 12A1 & 8L1)	Potential for hazardous materials deposited in septic tanks; zinc chromate paint sludge reportedly deposited in abandoned septic.
		8-C		
		8-C-1; 8-C-2; 8-C-3; 8-C-4 - Mobile degreasers	4	Evaluate area of mobile degreasers and sample at potential route of migration (e.g.,sump, cracked floor)
		8-D		
		8-D-1 - Paint spray, HAE and Anodizing areas	2	Evaluate area and sample at potential route of migration (sump, cracked floor); also, lines to CWTP

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
8	(Continued)	**8-E**		
		8-E-1 - Punch press sumps	2	Evaluate condition of sumps and sample at representative points with evidence of potential to impact soil below Building B-2. See Note 1.
		8-F		
		8-F-1 - Milling machines	2	Evaluate condition of sumps below milling machines and sample at representative points with evidence of potential route to impact soil below B-2. See Note 1.
		8-G		
		8-G-1 - Former septic system	1	Potential for hazardous materials deposited in septic tanks; zinc chromate paint sludge reportedly deposited in abandoned septic. See Note 1
		8-H		
		8-H-1 - Shaft line area (stains, drip pans, spills)	2	Potential sources of contamination. Evaluate condition of sumps and sample at representative points with evidence of potential route to impact soil below B-2. See Note 1.
		8-I		
		8-I-1 - "Robotics" area pits; mobile degreasers	2	Potential for releases from pits; mobile degreasers a potential source of contamination. Evaluate condition of sumps and sample at representative points with evidence of potential route to the soil below Building B-2; Evaluate area of mobile degreasers and sample at potential route of migration (sump, cracked floor). See Note 1.
		8-J		
		8-J-1 - Former UST in B-52	1	Document post-closure conditions.
		8-K		
		8-K-1; 8-K-2 - Pit degreasers	5	Potential sources of soil contamination. Inspect for leakage potential. Sample if potential exists.

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STRATFORD ARMY ENGINE PLANT
STRATFORD, CONNECTICUT

No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
8	(Continued)	**8-L**		
		8-L-1 Remainder of parcel outside of above potential areas of concern; B-2 satellite waste accumulation areas. See Note 2.	2	Potential for stormwater drainage systems (WWSS3 & WWSS5) as a source of contamination
		B-2 PCB transformers (includes other buildings; 17 total).	0	Potential PCB release. See Note 2
		Sampling along major storm system lines within building B-2 (WWSS1, WWSS2, WWSS3, WWSS5)	0 (Covered by other borings in various parcels)	Potential for stormwater drainage system as a source of contamination. See Note 3.
9	B-13 (scrap metal) B-15 (oil/acid/alkali stores) B-37 (pumphouse) B-38 (pumphouse) B-44 (stores) B-48 (stores) B-68 (emergency generator) B-74 (hazardous waste stores) B-81		**Total: 18**	
		9-A		
		9-A-1 – Edge of dike between B-64 and B-37	4	Potential for contaminated runoff and spills from storage and scrap areas east of B-13 to migrate from paved surface to soil along dike.
		9-A-2 – Pump station B-38 and upgradient drainage lines. (WWSS3)	1	Potential for stormwater drainage system as a source of contamination

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
9	(Continued)	9-B		
		9-B-1 – Soil borings BR-2,BR-3, BR-4, WC-5S	0 (covered by 9B-6, , 9C-2, 9B-8, 9B-10 and 13A1.)	Evaluate extent of exceedances of RSRs.
		9-B-2 – southwest corner of B-13	1	Potential contamination associated with cuttings and oils in dumpsters
		9-B-3 – B-13 (raw chemicals formerly stored in B-13) and surrounding area (areas adjacent formerly used for various storage)	1	Area used extensively for storage; Potential releases of hazardous substances.
		9-B-4 – Scrapyard east of B-13	1	Potential releases from long-term storage area.
		9-B-5 - Former chip pit west of B-13	0 (see 9B11 & 13A1)	Potential leakage from pit and lines. See Note 1.
		9-B-6 – B-15 (chemical storage area – stained areas and spills)	1	Evaluate presence and extent of soil contamination attributable to spills
		9-B-7 – B-15 three waste oil pits – northwest corner	1	Potential leakage from pit and lines
		9-B-8 – B-15 waste accumulation area – southeast corner near boring BR-4	1	Potential leakage from pit and lines
		9-B-9 – Hazardous waste transfer system from B-13 to B-15	1	Potential leakage from pit and lines
		9-B-10 – Four waste oil pits that collected waste oils until 1990 – north of B-13	1	Potential leakage from pit and lines. See Note 1.
		9-B-11 – Steel lined concrete pit west of B-13 where wastes were discharged until 1993 (removed in 1993)	1	Potential leakage from pit and lines. See Note 1.

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
9	(Continued)	**9-C**		
		9-C-1 – B-15 three waste oil pits and hazardous waste storage area (dike area and drum storage; reported spills)	1	Potential leakage from pit and lines. Hazardous Waste Storage Area.
		9-C-2 – Pump station B-37 and upgradient drainage lines (WWSS2)	1 (See also 9B6 and 9B10)	Potential for stormwater drainage system as a source of contamination
		9-D		
		9-D-1 Remainder of parcel outside of above potential areas of concern; parcel is within hydraulic fill area; B-48 and B-15 satellite waste accumulation areas. See Note 2.	2	Potential for stormwater drainage systems (WWSS2 & WWSS3) as a source of contamination
10	West parking lot		**Total: 3**	
		10-A		
		10-A-1 West Parking Lot	3	Document conditions in areas within Site but removed from manufacturing areas; potential off-site sources of contamination
11	B-1 (administrative and government offices)		**Total: 0**	
		None	--	--

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
12	B-2 (plating area) B-3 (former plating area) B-63 (CWTP pumping station) B-70 (CDF) B-77 (offices)		Total: 17	
		12-A		
		12-A-1 – Soil boring WC-10S	1	Evaluate extent of exceedances of RSRs
		12-B		
		12-B-1 – Vicinity of monitoring well ECD-4.	1	Elevated concentrations of metals in ECD-4 groundwater sample. Review HLA sample locations and results.
		12-B-2 – B-2 heat plating shop; mobile degreasers	0 (see 8D-2 and 12B-1)	Likely source of metals in area groundwater. Document presence and extent of soil contamination. Review HLA sample locations and results.
		12-B-3 – B-2 heat treat area	3	Potential for release of contaminants to soil from pits.
		12-B-4 – B-63 chemical waste collection and pumping station and piping	1	Potential for releases at collection points (e.g. pumping stations) and along piping.
		12-B-5 former septic tank between B-2 and B-3 (1940s).	1	Paint and solvents piped to septic tank. Potential source of contamination. See Note 1.
		12-B-6 – B-70 CWTP pump station –	2	Evaluate contamination found during construction of foundation (green water observed during construction).
		12-B-7 – Concrete vault east of B-70	0 (see 12B6)	Paint wastes reportedly piped to vault. Potential source of contamination. See Note 1.
		12-C		
		12-C-1 – B-2 oil wrap area; barrel finishing; roto-tumble area	2	Drains to CWTP

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
12	(Continued)	**12-D**		
		12-D-1 – Areas with stained and cracked concrete flooring; B-3 red floor lab area (former plating area)	3	Potential route of migration of contamination to soil below B-3. See Note 1.
		12-E		
		12-E-1 – Vicinity of monitoring well WC-12S	1	Evaluate potential source of elevated concentrations of contaminants in WC-12S
		12-E-2 – Former septic and fuel oil tanks near B—2	1	Potential sources of contamination. Shown on 1940s site plans.
		12-F		
		12-F-1 Remainder of parcel outside of above potential areas of concern	1	Potential for stormwater drainage system (WWSS3) as a source of contamination.
		Chemical Waste Lines WWTP-1	0	Potential leakage from major lines to CWTP
13	B-7 (engine fuel system testing) B-7A (engine fuel system testing) B-8 (paint/solvent storage) B-9 (garage) B-10 (stores/recuperator manufacture) B-11 (stores/recuperator manufacture)		**Total: 13**	
		13-A		
		13-A-1 – B-12 north end – shed with cuttings and dumpster	1	Potential sources of contamination – cutting fluids.

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
13	(Continued)	**13-B**		
		13-B-1 – B-8 and north side of B-8	1	Exceedances of RSRs in WC-8S, north of B-8; paint storage area a potential source of contamination.
		13-C		
		13-C-1 – Area between B-7 and B-8 – drum storage, unknown contents	1	Potential source of contamination
		13-D		
		13-D-1 – B-7/7A drains along perimeter	3	Drains a potential collection point and potential route for soil contamination. Evaluate condition of drains and sample at representative points with evidence of potential route to the soil below.
		13-E		
		13-E-1 – B-9 – hydraulic cylinder lift and floor drains that lead to OATP	1	Drains a potential collection point and potential route for soil contamination. Evaluate condition of drains and sample at representative points with evidence of potential route to the soil below.
		13-F		
		13-F-1 – B-10 center of building – milling equipment trenches	1	Potential leakage from pit and lines. See Note 1.
		13-G		
		13-G-1 – B-10 north end – equipment pits	1	Potential leakage from pit and lines. See Note 1.
		13-H		
		13-H-1 – B-10 east wall – drains	1	Drains a potential collection point and potential route for soil contamination. Evaluate condition of drains and sample at representative points with evidence of potential route to the soil below.
		13-I		
		13-I-1 – Former gasoline USTs	1	Former tanks on 1940s site plans.

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
13	(Continued)	**13-J**		
		13-J-1 Remainder of parcel outside of above potential areas of concern; eastern part of parcel is within hydraulic fill area.	3	Potential for stormwater drainage system (WWSS4 & WWSS5) as a source of contamination. Fill data gaps; evaluate soil conditions in other areas; potential for historical sources. Evaluate contamination found during construction of foundation (green water observed during construction).
14	B-64-2 (oil abatement treatment) B-64-1 (pumphouse)		**Total: 2**	
		14-A		
		14-A-1 – Soil boring WC-4S	0 (See 17A3-4)	Evaluate extent of exceedances of RSRs
		14-A-2 – OATP pumphouse and upgradient drainage lines (WWSS4)	2	Oily soil Noted during previous RCRA inspection. See Note 1. Two borings located; remainder will be located review of inspection records.
		14-B		
		14-B-1 Remainder of parcel outside of above potential areas of concern; parcel is within hydraulic fill area; B-12 and B-7 satellite waste accumulation areas. See Note 2.	0	Fill data gaps; evaluate soil conditions in other areas; potential for historical sources. See Note 2.
15	Parking lot south of B-2		**Total: 1**	
		15-A		
		15-A-1 – Potential soil contamination	1	Fill data gaps; evaluate potential for soil contamination from historical sources. See Note 2.

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
16	B-3 (engineering and development) B-67 (general stores)		Total: 12	
		16-A		
		16-A-1 – B-3 southeast corner; mobile degreasers	4	Potential for releases through settling and cracks in floor – Evaluate area of mobile degreasers and sample at potential route of migration (sump, cracked floor). See Note 1.
		16-B		
		16-B-1 – Mobile degreasers	2	Evaluate area of mobile degreasers and sample at potential route of migration (sump, cracked floor). See Note 1.
		16-C		
		16-C – Engine overhaul area	2	Source of process waste from B-3. Potential source of contamination. See Note 1.
		16-D		
		16-D-1 – ECM line; East side of B3.	3	Potential source of historical contamination. See Note 1.
		16-D-2 - Remainder of parcel outside of above potential areas of concern; storm drain lines (predominantly in southern portion of B-3)	1	Potential for stormwater drainage system (WWSS5) as a source of contamination. Fill data gaps; evaluate soil conditions in other areas; potential for historical sources
		B-3 PCB transformers	See 8L	See Note 2
17	B-16 (prod. And develop. Test cells)		Total: 20	
		17-A		
		17-A-1 – Soil boring WC-3S	1	Evaluate extent of exceedances of RSRs
		17-A-2 – B-16 drains/sumps in test cell areas. Mobile degreasers.	6	Oil observed in B-16 test cell drains. Drains in B-16 reported to have been in poor condition before being

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
				sealed.

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
17	(Continued)	17-A-3 – East of B-16 in area of possible mercury spills	8	Reported potential mercury spills and disposal of mercury and other wastes.
		17-A- 4 – Scrap metal yard north of B-16	1	Potential source of contamination. See Note 1.
		17-A-5 – Pump station B-40 and upgradient drainage lines (WWSS5)	1 (covered by 13I, 17B, 33A)	Potential for stormwater drainage system as a source of contamination
		B-16 PCB transformers		See Note 2
		17-B		
		17-B-1 – Old oil-water separator west of B-16	1	Potential historical source of contamination
		17-C		
		17-C-1 Remainder of parcel outside of above potential areas of concern; parcel is within hydraulic fill area; B-16 satellite waste accumulation areas. See Note 2.	2	Potential for stormwater drainage system (WWSS5) as a source of contamination
18	B-59 (engineering/missile storage) Causeway		**Total: 0**	
		18-A		
		18-A-1 – Causeway	0	Reportedly off-site fill; reported dumping/burning (fire training) on north side of causeway.
19	Southern parking lot		**Total: 6**	
		19-A		
		19-A-1 South Parking Lot	3	Document conditions in areas within Site but removed from manufacturing areas
		Chemical Waste Lines WWTP-2	3	Potential leakage from major lines to CWTP

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
20	B-18 (CWTP) B-71 (CWTP solids handling) B-75 (hazardous waste storage) B-76 (hazardous waste storage)		Total: 5	
		20-A		
		20-A-1 – CWTP	3	Potential leakage from CWTP lines
		20-A-2 – B-75 (hazardous waste storage)	1	Evaluate presence and extent of potential contamination from dike area to surrounding soil. Review existing lab data.
		20-A-2 – B-76 (hazardous waste storage)	1	Evaluate presence and extent of potential contamination from dike area to surrounding soil. Review existing lab data.
		20-B		
		20-B-1 Remainder of parcel outside of above potential areas of concern	0	Fill data gaps; evaluate soil conditions in other areas; potential for historical sources
21	CWTP lagoons		Total: 0	
		21-A		
		21-A-1 – CWTP lagoons	0	Document soil conditions in area under RCRA closure
22	Southern parking lot		Total: 3	
		22-A		
		22-A-1 – Area where fill was placed in accordance with CDEP requirements.	3	Document soil conditions in area where fill was placed in accordance with CDEP requirements
23	B-72 (fuel pumping station)		Total: 3	
		23-A		
		23-A-1 – Soil exceedances in boring BR-9 and BR-10	3	Confirm presence of exceedances of RSRs and of contaminated soils encountered during excavation for

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
				lagoons south of B-72

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
23	(Continued)	**23-B**		
		23-B-1 Remainder of parcel outside of above potential areas of concern	0	Contingency samples for Phase II or to fill data gaps; evaluate soil conditions in other areas; potential for historical sources
24	B-6 (experimental hangar, R&D)		**Total: 14**	
		24-A		
		24-A-1 – B-6 metrology room; room to north of metrology room	2	Potential for release through cracked floor; lines to CWTP, and gold plating area.
		24-A-2; 24-A-3;24-A-4 – Building B-6 Storm drain system (primarily in eastern and western portion of B-6)	7	Variety of test cells throughout. Potential for release in pits and areas of floor in poor condition; Potential for release through cracked floor; stains; potential for mercury spills.
		B-6 PCB transformers		See Note 2
		24-B		
		24-B-1 – B-6A four test cells	2	Gratings and drains – potential for migration to subsurface
		24-C		
		24-C-1 - B-17 drain in center of room	1	Drains are a potential collection point and potential route for soil contamination.
		24-D		
		24-D-1 – Chemical waste treatment collection structure north of B-6	1	Potential for leaks at collection points and along piping.

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
24	(Continued)	**24-E**		
		24-E-1 Remainder of parcel outside of above potential areas of concern; B-6 and B-6A satellite waste accumulation areas. See Note 2.	1	Potential for chemical waste drainage system (WWTP2) as a source of contamination
25	B-53 (surplus equipment stores) B-60 (natural gas pump station) B-61 (refrigeration plant)		**Total: 1**	
		25-A		
		25-A-1 - B-61 drains/sumps	1	Drains and pits potential collection point and potential route for soil contamination. Evaluate integrity.
		25-B		
		25-B-1 - Remainder of parcel outside of above potential areas of concern	0	Contingency samples for Phase II or to fill data gaps; evaluate soil conditions in other areas; potential for historical sources
26	B-69 (USACE resident engineer) B-79 (SSE building) B-82 (guard shack)		**Total: 0**	
		26-A		
		26-A-1 - Fuel storage area near B-69	0 (See 27E2)	Historical area with potential for spills. See Note 1.
		26-B		
		26-B-1 Remainder of parcel outside of above potential areas of concern	0	Contingency samples for Phase II or to fill data gaps; evaluate soil conditions in other areas; potential for historical sources

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
27	B-3A (engineering lab) B-4 (recuperator repair and stores) B-5 (fire headquarters) And component test) B-41 (pump station)		Total: 19	
		27-A		
		27-A-1 - B-3A Pilot plating line and lab area	1	Potential source of contamination to subsurface.
		27-B		
		27-B-1 - B-3A eastern edge – heat treat room – sump in center	1	Potential source of contamination. Sump a potential collection point and potential route for soil contamination.
		27-C		
		27-C-1 - B-3A northwest corner	1	Stains and cracked floor; plating drains; coating lab Source of process waste to CWTP
		27-D		
		27-D-1 - Spill of liquid cleaning solvents north of B-3A	1	Potential historical source of contamination. PCE exceedance at existing well.
		27-E		
		27-E-1 - Tank farm southwest of B-34	4	Evaluate post-remediation soil conditions in area of former fuel and chemical waste UST and petroleum-contaminated soils in vicinity of B-34. Review existing groundwater data.
		27-E-2 - Former drum storage in southeast corner of B-4	1	Stains and cracked floors. Potential source of contamination.
		27-E-3 - B-4 sump in southeast corner	1	Drains and pits potential collection point and potential route for soil contamination. Evaluate integrity.
		27-E-4 - B-4 north-central area drains	1	Drains and pits potential collection point and potential route for soil contamination. Evaluate integrity.

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AREAS OF CONCERN TO BE INVESTIGATED WITH SOIL SAMPLING
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STRATFORD ARMY ENGINE PLANT
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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
27	(Continued)	27-E-5 - B-4 outside of northeast corner – former drum storage area	0 (see 27E2)	Potential historical source of contamination
		27-E-6 - B-4 north wall – brine tanks – former ECM area	1	Potential historical source of contamination
		27-E-7 - B-4 northeast corner – Clean room	1	Potential historical source of contamination – recently excavated
		27-E-8 - B-4 drain/pit south of clean room	1	Drains and pits potential collection point and potential route for soil contamination. Evaluate integrity.
		27-E-9 - B-5 old degreasers near drain along east wall and catch basins and adjacent area	1	Drains and pits potential collection point and potential route for soil contamination. Evaluate integrity. Evaluate extent of contaminated soil related to Fuel storage tanks that have apparently leaked in area of B-5.
		27-E-10 - Marine diesel tanks south of B-33	1	Potential source of contamination. Recently excavated. See Note 1.
		27-E-11 Pump Station B-41 and upgradient drainage lines (WWSS6)	3	Potential for stormwater drainage system as a source of contamination
		27-F		
		27-F-1 Remainder of parcel outside of above potential areas of concern; parcel is within hydraulic fill area; B-3A and B-5 satellite waste accumulation areas. See Note 2.	0	Contingency samples for Phase II or to fill data gaps; evaluate soil conditions in other areas; potential for historical sources
		B-3A PCB transformers		See Note 2.
28	B-19 (component test) B-43 (pump station)		**Total: 4**	
		28-A		
		28-A-1 – B-19 pits with grating (central portion of building)	2	Pits a potential collection point and potential route for soil contamination.

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
28	(Continued)	28-A-2 – B-19 pits west central portion of building	2	Pits a potential collection point and potential route for soil contamination. pits (excavated at time of reconnaissance - radiological)
		28-B		
		28-B-1 Remainder of parcel outside of above potential areas of concern; parcel is within hydraulic fill area; B-19 satellite waste accumulation area. See Note 2.	0	Contingency samples for Phase II or to fill data gaps; evaluate soil conditions in other areas; potential for historical sources
		B-19 PCB transformers		See Note 2
29	Northeast corner of B-2 B-52 (plasma spray and stores)		**Total: 4**	
		29-A		
		29-A-1 – Former USTs;Plasma spray	3	Drains and lines to CWTP. See Note 1.
		29-B		
		29-B-1 Remainder of parcel outside of above potential areas of concern	1	Fill data gaps; evaluate soil conditions in other areas; potential for historical sources
30	Building B-34 tank farm		**Total: 0**	
		30-A		
		30-A-1 - Areas included in 27-E:Former fuel and chemical waste UST and petroleum-contaminated soils in vicinity of B-34; parcel is within hydraulic fill area; B-34 satellite waste accumulation area. See Note 2.		

TABLE 3
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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
31	East of Building B-19		Total: 7	
		31-A		
		31-A-1 – TCA-contaminated soil cleanup east of B-19	3	Evaluate post-remediation conditions; fuel storage tanks occasionally overfilled. Review existing data.
		31-A-2 – Soil exceedances in boring WC-1S)	2	Evaluate extent of exceedances of RSRs
		31-A-3 – Former UST locations	2	Evaluate post-remediation conditions. See Note 1.
		31-B		
		31-B-1 Remainder of parcel outside of above potential areas of concern; parcel is within hydraulic fill area.	0	Fill data gaps; evaluate soil conditions in other areas; potential for historical sources
32	Near shore intertidal flats		Total: 0	
		None		Sediment sampling to be conducted.
33	South of Building B-9		Total: 1	
		33-A		
		33-A-1 – South of B-9 – former USTs	1	Post-remediation information not available
		33-B		
		33-B-1 Remainder of parcel outside of above potential areas of concern; parcel is within hydraulic fill area.	0	Fill data gaps; evaluate soil conditions in other areas; potential for historical sources

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale
--	Drainage and wastewater infrastructure			
		Sampling adjacent to pumping stations (B-36:included in area 5-A,B-37: included in area 9-C; B-38: included in area 9-A; B-40: included in area 17-A; B-41: included in area 27-E; and B-63: included in area 12-B)	--	Potential for stormwater drainage system as a source of contamination
		Sampling near catch basins of major storm line leading into pumping stations; included in sampling for pumping station areas, above.	--	Potential for stormwater drainage system as a source of contamination. See Note 3.
		WWSS-1,WWSS-2.WWSS-3, WWSS-5		
		Sampling along major storm system lines within building B-2; included in sampling for parcel 8, above	--	Potential for stormwater drainage system as a source of contamination. See Note 3.
		WWPT-1, WWTP-2		
		Sampling along Chemical Wastewater System – CWTP line from B-2, B-6, and B-3A to CWTP and main lines east of B-2 in roadway; included in sampling for parcels 12, 19, and 24, above	--	Potential leakage from major lines to CWTP.

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No.	CERFA Assessment Parcel Description	Potential Area of Concern	Initial Characterization Borings	Rationale

NOTES:

(1) Locations uncertain - will confirm with Allied Signal personnel.

(2) Plant personnel are closing out PCB transformers and satellite waste accumulation areas. W-C will confirm the "no release" status of PCB transformer and satellite waste accumulation areas with Allied Signal personnel; any areas requiring further sampling will be investigated further as part of the RI. UST areas that are likely to require further investigation have been identified in previous investigations and will be investigated as part of the RI. W-C will confirm the closure of USTs with facility personnel; any USTs requiring further sampling as part of information obtained will be investigated further as part of the RI.

(3) Locations to be determined as part of further infrastructure evaluation during RI.