420747

ONSITE RECONNAISSANCE CHECKLIST

Site Name: TRW DOT Division (Former) TDD #: 9704-10-CSX
Recon Date: August 11, 1997 CERCLIS #: MAD001032671
Individuals Present: Lisa White, Sarah Dun (Stone + Webster), Joe Biotti (Site owner), Wendy Mosher (Dragon Systems), Joe Corbo (Matritech), Deborah Heffernan (AmCare), + Andrea (Politzer + Haney)

Following is a list of activities to be performed and areas to be investigated during the onsite reconnaissance. All information obtained during the recon will be recorded in the site dedicated logbook.

Meeting with facility owner/operator:

☐ Site history

☐ # of companies onsite (names) 4 - Dragon Systems (Software), Politzer + Haney (Software), Matritech (Research + Development Lab) + AmCare (Home Health Care)

☐ # of workers/residents onsite 360

☐ Source of drinking water onsite (circle): private well (municipal) other

☐ Permits: RCRA, NPDES, others (list): MWRA Permit to discharge water from acid neutralization tank to the sewer.

☐ Description of past and current operations:

processes performed on site: Currently - Dragon Systems and Politzer + Haney work with computer software, Matritech manufactures test kits for cancer diagnostics, + AmCare deals with home health care
chemicals onsite: Dragon Systems + Politzer + Haney only use cleaning fluids + toner for printer/copier. AmCare uses the same. Matritech uses a variety of chemicals (see attached list).
chemical storage areas: Cleaning fluids + toner are kept in office areas. Matritech has several nonflammable cabinets where they store new + used hazardous wastes. These cabinets are located in the Research + Development area + manufacture area.
waste types generated: corrosive liquids, sulfuric acid, hydrochloric acid, citric acid, acetone, silver nitrate, sodium hydroxide, mercury, zinc, methanol, potassium permanganate.
waste quantities generated: 6 or 7 gallons quarterly

waste source area described: Source area is research + development laboratory. Spill kits located in area - caustic, acid, solvent, mercury + low level radioactive waste absorbent.
waste source containment: Nonflammable Cabinets

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ONSITE RECONNAISSANCE CHECKLIST (continued)

☐ Property/building descriptions/plans:
utilities: _____
floor construction: _____
floor drains: No floor drains were observed.
storage areas: Typical office supply storage areas + cabinets at Matritech.
boundaries: _____

Site Walk:

☐ Draw site sketch/plan including:
fences
means of egress
topography
USTs/ASTs
Individual Sewage Disposal Systems
utilities/transformers
catch basins, storm drains, ditches
parking areas (paved/unpaved?)
rights-of-way/easements
boundaries

See attached.

Previously noted storm drains were not observed. The drains emptied into the Charles River.

☐ Identify water features:
monitoring and/or private wells (number, location, installation information): All previously installed monitoring wells have been paved over.
springs/seeps: _____
wet areas onsite: _____
wetlands: (estimate frontage to surface water) located directly along NW edge of property.
evidence of flooding/surface erosion: No
direction of runon and runoff: _____
water bodies: Charles River to the NE
PPE(s): Wetlands / Charles River?
(estimate distances traveled through storm drains and locate discharge points to surface water)

☐ Identify geologic features:
topography and slope: Site was basically flat.
rock outcrops: None
soil characteristics: None - entire site is paved.

☐ Identify potentially hazardous features:
drums, barrels, containers, tanks: _____
containment (describe): _____
waste materials: _____
odors: No odors observed.
leachate: _____
stained soil: None

ONSITE RECONNAISSANCE CHECKLIST (continued)

discolored surface water: None

pits/ponds/lagoons: Acid neutralization "pit" is really a tank. 50 gallon tank located in small room to front of building (Nevada St. side).

☐ Identify vegetation features and condition:
type/maturity/density: Abundance of vegetation to NW (wetland area) - all good. Very little vegetation on site. Some trees along Nevada St. in front - good condition
stressed vegetation: None

☐ Identify evidence of recreational activities:
camp fire/party remains: None
bike trails: None
water body use (fishing/swimming/boating): None

☐ Identify potential sample locations and note on site sketch

Perimeter survey: none

☐ Observe and measure distance from source area(s) to:
wetlands: approx. 50 feet (NW)
PPE(s): approx. 50 feet (NW)
nearest residence/daycare/school:
surface water pathways:

☐ Note any offsite potential sources of contamination

Behind the site (to the northeast) is a construction company owned by the same owner as the site. Construction site consists of main building, storage shed (equipment), crane, tree stumps. The site is unpaved. Also located in the area (to the Southeast) is an auto sales lot.

CHEMICAL		CAT. NUMBER	DISTRIBUTOR
2-METHYLBUTANE		Q223-08	J.T. BAKER
2-PROPANOL		9095-03	J.T. BAKER
ACETIC ACID		AX0073-9	EM
ACETONE		9006-01	J.T. BAKER
ALCOHOL		VW0470-3	VWR
AMMONIUM HYDROXIDE(30%)		9721-00	J.T. BAKER
AMMONIUM SULFATE		A-2939	SIGMA
BENZENE		BX0212-1	EM
E.D.T.A.		E-4884	SIGMA
ETHANOL		VW0470-3	VWR
GLYCEROL		55144A	GIBCO
GLYCINE		G7126	SIGMA
HEPES		H-0891	SIGMA
HYDROCHLORIC ACID(2N)		VW3121-4	VWR
HYDROCHLORIC ACID(12N)		A144S-500	FISHER SCIENTIFIC
IMIDAZOLE		I-0125	SIGMA
LAURYL SULFATE		L4509	SIGMA
METHANOL		VW4300-3	VWR
METHANOL		EM-MX0475-1	VWR
PHOSPHORIC ACID		0260-02	J.T. BAKER
POTASSIUM CHLORIDE		60129	FLUKA BIOCHEMICA
PIPES		P-6757	SIGMA
POLYVINYL ALCOHOL		P-1763	SIGMA
SDM PHSPHT DIBASIC		S 9390	SIGMA
SDM PHSPHT MONOBASIC		S 9638	SIGMA
SODIUM AZIDE		S 2002	SIGMA
SODIUM CHLORIDE		SX0420-3	EM
SODIUM HYDROXIDE(1N)		VW3222-1	VWR
SODIUM HYDROXIDE(6N)		VW6757-4	VWR
SORBITOL		S 1876	SIGMA
SUCROSE		S-9378	SIGMA
SULFURIC ACID		9681-02	J.T. BAKER
TRIZMA BASE		T 6791	SIGMA
TWEEN-20		P-1379	SIGMA
UREA		U 0631	SIGMA
UREA		U-1250	SIGMA
XYLENE		X516-09	J.T. BAKER
XYLENE		XX0060-3	EM