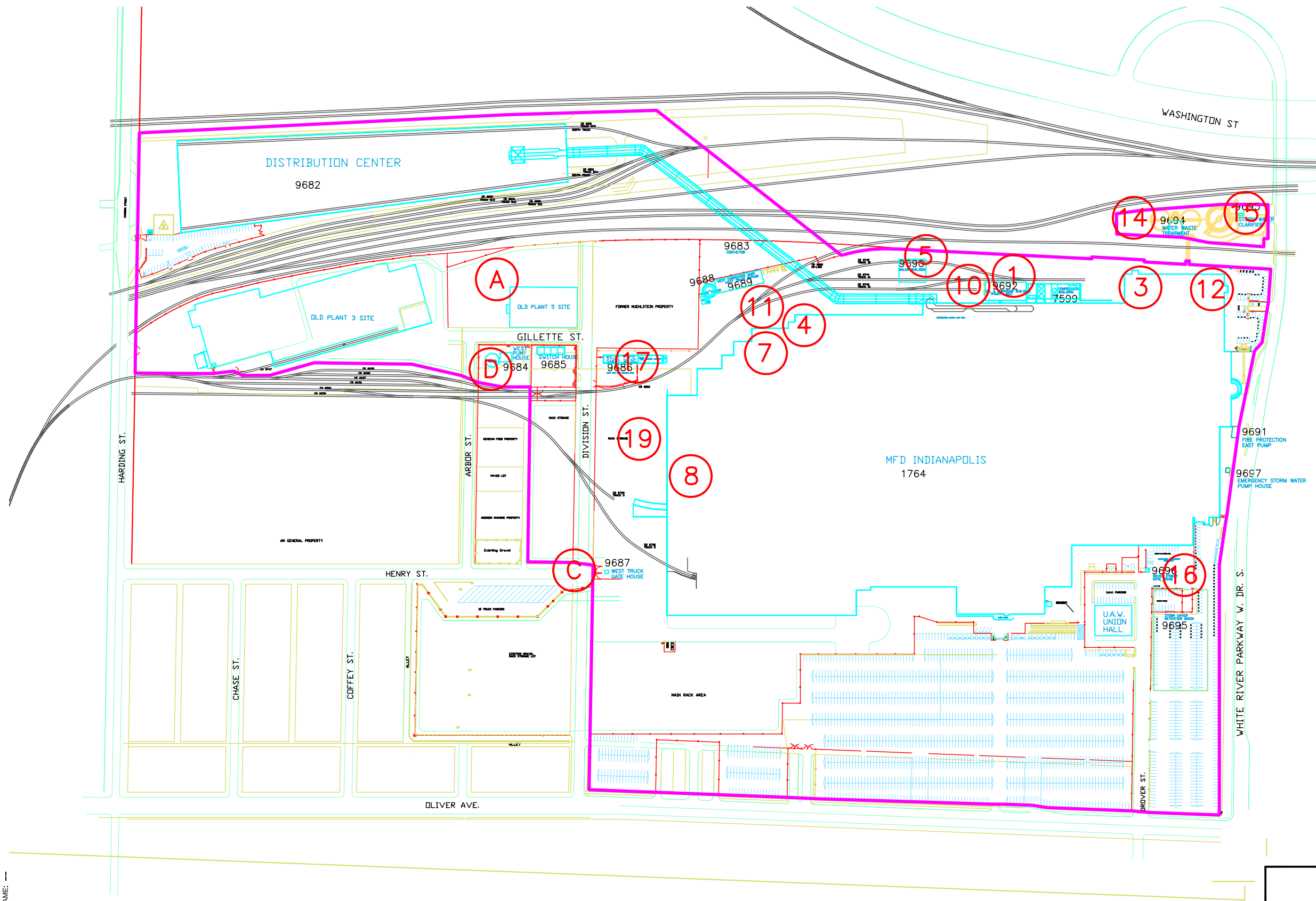


CITY: (Read) DIV: (GROUP: (Read) DB: (Read) LD: (Opt) PIC: (Opt) PM: (Read) TM: (Opt) LVR: (Opt) ON: (Off) REF: G:\PROJECT\GM - Indy Metal Center - Indy\IDEM Inspection\site layout.dwg - LAYOUT: LAYOUT2 - SAVED: 11/14/2009 8:02 AM ACADVER: 17.05 (LMS TECH) PAGES: 17 OF 17 PLOTTED: 11/14/2009 8:49 AM BY: FISHER, SARAH XREFS: IMAGES: PROJECTNAME: 146500000-GB1-00



DRAFT

MOTORS LIQUIDATION COMPANY
INDIANAPOLIS, INDIANA
INDIANAPOLIS METAL STAMPING

SITE LAYOUT
WITH IDEM SWMUs AND AOCs

ARCADIS

DRAWING

The table is based on information in the 1993 RFA and a site visit in Sept 2009. The facility needs to verify and/or correct this information and make any relevant additions.

SWMU or AOC	Operational Dates	Release?	RFA Suggested Action	Comments
1. Former Interim Status Container Storage Area	Pre 1980 – 1990	No	NFA	IDEM RCRA Closure now <90 area and designated as SWMU 22 Located N side of main manuf. Bldg. in Paint Mix-Oil Stores Bldg.
2. Safety-Kleen Solvent Units	1988 -	No	NFA	16 indoor locations throughout manuf. Bldg.
3. Spray Paint Booth Waste Accumulation Area	1980 -	No	NFA	NE part of facility Carpenters Shop Spray Paint booth. Metals & VOCs acetone, PCE, MEK, xylene
4. Former CPI Waste Oil UST (photo 1-13)	1978-1991	Yes	Provide soil sampling data to confirm cleanup	Release to soil and possibly groundwater location NW corner of manuf. Bldg. 10,000 gal concrete tank. No sec. containment or leak detection. Pumped here from SWMU 6. Included waste halogenated parts cleaning solutions. No halogenated parts cleaning after 1990. Four 20 cu yard rolloffs of contaminated soil removed in 1991, but no verification sampling. Area has been capped and covered with concrete. Likely groundwater contamination. Metals,SVOCs & VOCs Chlorinated solvents
5. Boiler Room waste oil UST	1968-	?	Check tank integrity	4,200 gallon concrete UST for used oils from the baler room and other locations. Located N of the manuf. Bldg. Used oil is collected using the Mobile Waste Oil Collection Unit (SWMU 9) and placed in the Free Oil Treatment system (SWMU6). As of the RFA GM planned to hard pipe oil from this unit to SWMU6. Metals, SVOCs and PCBs
6. Free oil treatment system	1969-	*	Check floor integrity	*none reported, floor surface covered in oil (see SWMU 24). Oil comes here from sumps around the facility, and goes from here to SWMU 8. Units are on a 9” wood platform over a sump. VSI showed very oily floor. Poor

SWMU or AOC	Operational Dates	Release?	RFA Suggested Action	Comments
				light did not allow for observation of floor integrity. Metals, SVOC, VOCs and PCBs Hydraulic oil. PCBs possible?
7. Former rubbish dock waste oil tank	1969-1979	?	Provide unit history	Unit was gone as of VSI. Located outdoors in the area of the NW corner of manuf. Bldg. Removed in 1979 for facility expansion. Area is now under Manuf. bldg. Metals, SVOCs and PCBs foundation. 6,000 gallon cylindrical metal AST.
8. Free and soluble oil storage tanks	1979-	*	NFA	*none reported, floor surface covered in oil (see SWMU 24) located indoors in west basement. Two 10,000 gallon rectangular, open-top steel tanks. Tanks rest on concrete floor. Floor was oily but in good shape. Metals, SVOCs and PCBs
9. Mobile waste oil collection unit	1950's -	No	NFA	Metals, SVOCs and PCBs
10. Ash slurry UST	1930's to 1980	?	Soil sampling along sides to depth of tank for pH and metals	Located N side of facility. 6,000 gallons Ash water slurry from coal power plant. Placed in operation in 1930's. Unit was emptied and filled with concrete.
11. Floor cleaning water holding tank	1978-1991	?	Tank integrity testing data or soil sampling to depth of tank for methylene chloride	Inside NW corner of main manuf. Bldg. 6,000 gal concrete UST. Tank was filled with concrete. Wastes included MC.
12. ELPO paint system waste pit	1971-1987	?	Check tank integrity	NE corner of manuf bldg. 120,000 gallon concrete vault. Received waste paint. ELPO system taken out of service in 1987, since then used as holding tank for vehicle washwaters. As of VSI tank may still contain waste liquids.
13. Former chromic acid treatment tank	1972-1988	?	Check tank integrity	NE corner of Manuf bldg. (same location as SWMU 12) 4,500 gallon concrete tank treated chromic acid bearing wastewaters from SWMU 20. Cr6 was treated to Cr3, water was then discharged to POTW.
14. Industrial Wastewater Treatment	1984-1988 1990	?	Check sump integrity	Located outdoors in NW corner of facility. Was out of service as of VSI but still present. Includes 2-350,000 gallon open topped tanks and a 50,000 gallon open topped

SWMU or AOC	Operational Dates	Release?	RFA Suggested Action	Comments
facility (photo 1-1 thru 1-6)				tank (both metal). Sump is UST below the filter press and the sludge gondola. 14'x8'x9'
15. Storm water treatment facility (photo 2-3 thru 2-5)	1969-	?	Check integrity of Used Oil/Floatable tank	Outdoors in NE corner of facility, next to SWMU 14. Clarifier is 350,000 gallon, 80 foot diam., open top. Sludge tank is rectangular 14x7x7. Used Oil/Floatables tank is 6,000 concrete UST.
16. Storm water retention basin (photo 2-1)	1979-	?	Check basin integrity	NW corner of facility visitor parking lot. 3.5mm gal underground concrete basin
17. Empty drum storage areas	West Pipe Shop Area, 1987 – Main Bldg Area, ? to present	No Extensive staining on concrete surface	NFA Check concrete surface integrity	At VSI floor was free of cracks or stains Outdoors NW corner of main manuf. Bldg. at VSI concrete was stained with oily substance.
18. Waste Treated Pine Floor Block Storage Area (photo 1-14)	1990-	Extensive staining	Check concrete surface integrity	Concrete area outside NW corner of main manuf. (near SWMU 17) Bldg. Discarded cresol-treated pine floor blocks accumulation. Some blocks covered with oil from use. Water flows toward stormwater drain. Cresol D026 Block Storage Area?
19. Scrap metal storage pit	1980-	?	Check pit integrity	Outside W side of manuf. Bldg. 3 adjacent above-ground 20'x15' concrete vaults 10' deep. Concrete area next to the southside of the pits was covered in dark, oily, sludgelike material. Metals and SVOCs Oil drainage & SW run-off.
20. Former Parts washing system	1972-1988	No	NFA	Indoors on 3 rd floor of main manuf. Bldg. in NW corner. Pre '72? (same location as SWMU 12)
21. Former ELPO paint system	1972-1988	No	NFA	Indoors on 3 rd floor of main manuf. Bldg. in NW corner. (same location as SWMU 12)
22. Container storage area	1990-	No	NFA	Former SWMU 1, floor intact as of RFA
23. Storm water sewer system	1980-	No	Check system integrity	
24. Basement floor	1973-	Oil covering	Check sump integrity	“many” sumps in basement floor...at VSI some were

SWMU or AOC	Operational Dates	Release?	RFA Suggested Action	Comments
sumps (photo 1-29 and 1-32)		the floor surface		overflowing and there was oil in pools throughout the basement floor. (locations all over the facility, typically 2'x3'x3')
AOC A. Former Plant #5 UST		Release to soil	Confirmatory sampling	1982 purchase NW of facility. Known as Plant 5 as of VSI. At purchase 4 USTs held leaded and unleaded gasoline, diesel fuel, and TCA. Tanks removed in 1986. Surface soil excavated to remove the tanks showed evidence of contamination (Pb) Was soil under tanks sampled? Metals, SVOCs & VOCs 10/'86 - Soil was HW for Pb.
AOC B. Pipe fitting storage bldg spill area (photo 1-17)		Release to soil	NFA	IDEM NFA'd 1986 oily substance N of RR tracks (white bldg, west end of SWMU 17)
AOC C. West Gate spill area (photo 1-19)		Release to soil	Soil sampling	500 gal. gasoline spill, was sanded and removed, but no confirmatory samples. Metals & VOCs Division St. storm drain?
AOC D. West pump house spill area		Release to soil	Soil sampling	Cleanup of 20 gallon release of diesel showed pooling. Tank and contaminated soil removed. No verification sampling of soil or GW. UST removal?
AOC E. Oil/water mixing tank spill area (photo 1-10)		Release to storm water treatment facility (SWMU 15)	Check integrity of Paint Mix – Oil Stores Bldg floor	10,000 gallons of oil water mixture released. Some cleanup done. VSI says this unit has a history of minor releases. Metals & SVOCs Storm sewers to SWT plant (same location as SWMU 1)
ULRICH CHEMICAL SITE	EPA ID # IND006044333			
1 - Former Hazardous Waste Drum Storage Area			NFA	RCRA Closure approved December 1984 SWMU details on page 19 of RFA F001 (TCE), F002, F003, & F005
2 – Former Neutralization Tank			NFA	SWMU details on page 20 of RFA

SWMU or AOC	Operational Dates	Release?	RFA Suggested Action	Comments
				Rinsate from acid drums Protective filing, not closed
AOC 1 – Former Fuel USTs Area			Soil samples	Tanks removed in 1986, along with 250 yards of contaminated soil. No documentation of tank removal or cleanup 1-10K gal Diesel- 2-6K gal Gas Metals & TPH USTs Removed - Piping? Significant probability of gw impact
AOC 2 – Former TCA UST Area			Soil samples	Tanks removed in 1986, along with 250 yards of contaminated soil. No documentation of tank removal or cleanup 1 - 10K gal TCA UST Metals, SVOCs and VOCs+1-4 Dioxane UST Removed - Piping? Significant probability of gw impact Sampling done by Petrochem (sister to ILWD), Alt &Witzig Engineering was consultant. Pb in soil removed was 68ppm, “volatile fuels” at 6,500ppm.