## CONTAMINANT CONCENTRATION TABLE 200 gpm (max) Flow rate: Project duration: months 55 Water temperature: °F (assumed) Contaminant Maximum Design **Effluent** - PUMP DISCHARGE PUMP INTAKE OUTLET FROM (2) PC28 6' DIA. TANK DUAL MULTI-ROUND **Detected** Influent Criteria<sup>(D)</sup> w/5000 LBS. OF REACT TRAILER BAG FILTER w/ 10 3" TRASH PUMP Conc. Conc. (a) CARBON EACH DISCHARGE INLET TO MICRON FILTER BAGS ON TRAILER (ug/L) (ug/L) (ug/L) TRAILER SAMPLE POINT 18,400<sup>(</sup> 1,840 1,2,4-Trrimethylbenzene 100 GPM 5,170 517 215 1,3,5-Trrimethylbenzene \_\_\_\_\_; DISCHARGE TO 1-Methylnaphthene 51.4 2.6 5.14 STORM DRAIN 2-Methylnaphthene 131 13.1 80 492 49.2 4-Isopropyltoluene 0.05 15.4 1.54 Anthracence 2,330 233 51 Benzene 4.96 0.0311<sup>(c)</sup> 100 GPM FLOW 49.6 Benzo(a)anthracene FROM CONTRACTOR 0.0311<sup>(c)</sup> 43.8 4.38 Benzo(a)pyrene DEWATERING SAMPLE POINT 4 54.9 5.49 0.0311<sup>(c)</sup> Benzo(b)fluoranthene PUMP INTAKE 24.4 2.44 Benzo(g,h,i)perylene DUAL MULTI-ROUND 18,100 GAL FLIP TOP PC20 5' DIA. TANK OUTLET FROM 24.2 2.42 0.0311<sup>(c)</sup> Benzo(k)fluoranthene WEIR STEEL TANK BAG FILTER w/ .5 - PUMP DISCHARGE -w/4000 LBS. □F TRAILER 11.7 1.17 2.2 OUTLET FROM MICRON FILTER BAGS Bis(2-ethylhexyl)phthalate ZEOLITE HS250 DISCHARGE SEDIMENT TANK - INLET TO TRAILER 4.75 47.5 0.0311<sup>(c)</sup> Chrysene SAMPLE POINT 71.3 7.13 SAMPLE POINT cis-1,2-Dichloroethene 8.55 0.855 0.0311<sup>(c)</sup> Dibenzo(a,h)anthracene \_\_\_\_ 100 GPM 8.12 0.812 DISCHARGE TO Dibenzofuran NOT FOR STORM DRAIN 6,450 645 97 Ethylbenzene CONSTRUCTION Indeno(1,2,3-cd)pyrene 0.0311<sup>(c)</sup> 24.3 2.43 660 250 66 Isopropylbenzene 2.66 26.6 1,500 2,680 268 Naphthalene 12 100 GPM FLOW FROM CONTRACTOR 69.4 6.94 0.7 Phenanthrene DEWATERING 15.2 1.52 sec-Butylbenzene 3.3 (2) PC28 6' DIA. TANK 196 19.6 Tetrachloroethene 3" TRASH PUMP w/5000 LBS. OF REACT 16,400<sup>(c</sup> 1,640 11 ON TRAILER 30.2 30 DUAL MULTI-ROUND 3.02 Trichloroethene TREATMENT TRAILER SEDIMENT TANK BAG FILTER w/ 10 33,200<sup>(d)</sup> 3,320 Xylenes MICRON FILTER NAPL REMOVAL SAFETY FACTOR AND SEDIMENT REDUCTION AND AIR SEPARATION (a) Based on 10% of the maximum detected concentrations. ACTIVATED CARBON CONTAMINANT ADSORPTION (b) Based on the Surface Water Standards (Lower of FAF and HH). (c) Total PAHs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene. (d) Free phase product is likely to be present. Bold values indicate the exceedance of the discharge limits. DUAL 100 GPM SCHEMATIC TREATMENT DIAGRAM OPTION DRW JAR CHK CARBON TREATMENT PROCESS: TANKS (1A) AND (1B) PARALLEL FLOW WITH TANKS (2A) AND (2B). SAMPLING POINTS BETWEEN (A) AND (B) TANKS TO DETERMINE WHEN TANKS (A) NEED REPLACED CARBON. TANKS (B) ARE SAFETY BACK-UP FOR - PUMP INTAKE OUTLET FROM ROAD / TENTH STREET DR. (US13) TO EVANS ST \_ DUTLET FROM TRAILER #1 - PUMP DISCHARGE TRAILER #2 (4) PC28 6' DIA. TANK 18,100 GAL FLIP TOP (2) PC20 5' DIA. TANK OUTLET FROM w/5000 LBS. OF REACT WEIR STEEL TANK DISCHARGE ,— w/4000 LBS. □F ZE□LITE -SEDIMENT TANK CARBON EACH SAMPLE POINT HS250 TRAILER #1 TRAILER #2 200 GPM DISCHARGE TO STORM DRAIN 200 GPM FLOW TONSBURG FINEMORIAL D FROM CONTRACTOR DEWATERING - SAMPLE POINT - SAMPLE POINT 2,750 GPM 6" TRASH DUAL MULTI-ROUND DUAL MULTI-ROUND PUMP ON TRAILER BAG FILTER w/ .5 BAG FILTER w/ 10 MICRON FILTER BAGS MICRON FILTER BAGS SEDIMENT TANK TREATMENT TRAILER #1 TREATMENT TRAILER #2 SEDIMENT REDUCTION AND AIR SEPARATION NAPL REMOVAL SAFETY FACTOR ACTIVATED CARBON CONTAMINANT ADSORPTION 200 GPM SCHEMATIC TREATMENT DIAGRAM OPTION AS NOTED 214092 EET **2** OF **2**