A.2
7/23/90

153575

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INTERNAL MEMORANDUM	File

To: J. Burroughs

Date: July 23, 1990

From: J. M. Grana

Subject: Site I Monitoring Wells

Please perform the following activities:

a. Install guards around the groundwater monitoring wells to prevent damage to the wells. The wells to the west of the railroad tracks only need 2" metal posts. However the two wells in the truck parking lot will require the concrete posts. Check with Bob Deatherage, he might have already begun work on these wells.

b. Pump standing water in the wells and determine a method to waterproof the wells using some type of seal to prevent additional water from entering the wells.

c. Draft a letter to the Sauget Fire Department requesting that they not test their hoses over Well-5. This situation was observed on June 26, 1990 by Avendt personnel.

JMG

	WCU-1I	WCU-1S	WCD-2I	WCD-2S	WCD-3I	WCD-3S	WCD-4I	WCD-4S	WCU-5I	WCD-6I	WCD-6S	WCD-7I	WCD-7S	WCD-8I
% Solids	83.0%	77.5%	84.8%	81.6%	85.9%	64.1%	81.3%	81.7%	83.0%	80.9%	78.2%	86.7%	82.0%	83.3%
Chloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	19	8	770	6200	BDL	BDL	10	26	17	1800	50	26	13	20
Acetone	74	63	8500	22000	87	BDL	84	41	74	4600	430	110	27	360
Carbon Disulfide	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1 chloroethene	BDL	BDL	BDL	BDL	BDL	2000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	31
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Butanone	BDL	BDL	4200	BDL	BDL	5000	81	BDL	17	5400	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	BDL	BDL	BDL	2400	BDL	BDL	BDL	BDL	35	1000	BDL	11	20	520
Carbon Tetrachloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Acetate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,3-Dichloropropene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	BDL	BDL	BDL	BDL	BDL	1700	BDL	BDL	BDL	BDL	BDL	BDL	BDL	480
Dibromochloromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	BDL	BDL	230	2200	4	1600	BDL	BDL	4	690	72	BDL	BDL	360
Trans-1,3-Dichloropropene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-" thyl-2-pentanone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2 anone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	BDL	BDL	5200	2800	67	4000	BDL	8	15	2500	310	BDL	BDL	69
1,1,2,2-Tetrachoroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	5	BDL	2100	4200	77	6900	3	10	BDL	4900	380	BDL	BDL	540
Chlorobenzene	BDL	BDL	42000	51000	360	67000	7	6	2400	21000	2600	BDL	BDL	1400
Ethylbenzene	BDL	BDL	6300	15000	37	1400	BDL	7	24	2900	230	BDL	BDL	420
Styrene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Xylene	BDL	BDL	2800	7300	85	5300	BDL	9	48	5900	410	BDL	BDL	1500
1,3-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chloroethylvinylether	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorodifluoromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bis(chloromethyl)ether	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Chlorotoluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorpropane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachlorethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroacetaldehyde	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1-Chlorohexane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

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Phenol	BDL	BDL	BDL	BDL	320	26000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	670

Bis(chloroethyl)ether	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorophenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	430	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	BDL	BDL	5100	66000	9000	79000	BDL	140	6300	3700	BDL	BDL	BDL	9500
Benzyl Alcohol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	BDL	BDL	BDL	2900	1000	34000	BDL	74	1800	BDL	BDL	BDL	BDL	800
2-Methylphenol	BDL	BDL	BDL	BDL	BDL	3600	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bis(2-Chloroisopropyl)ether	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Methylphenol	BDL	BDL	BDL	BDL	BDL	15000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitroso-Di-n-propylamine	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hexachloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Nitrobenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isophorone	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitrophenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dimethylphenol	BDL	BDL	BDL	BDL	BDL	9400	BDL	BDL	BDL	BDL	BDL	BDL	1100	BDL
Benzoic Acid	BDL	BDL	BDL	BDL	4000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bis(2-Chloroethoxy)methane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4-Dichlorophenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	51	BDL	BDL	BDL	BDL	BDL	530
1,2,4-Trichlorobenzene	BDL	BDL	99000	280000	190000	120000	BDL	240	100000	1700	580	BDL	BDL	17000
Naphthalene	BDL	BDL	BDL	2600	1500	32000	BDL	BDL	BDL	24000	4900	BDL	7100	240
4-Chloroaniline	BDL	BDL	1100	BDL	9100	BDL	140	770	800	19000	10000	BDL	3200	5300
Hexachlorobutadiene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Chloro-3-methylphenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Methylnaphthalene	BDL	BDL	620	BDL	680	12000	BDL	BDL	BDL	2200	BDL	BDL	1400	BDL
Hexachlorocyclopentadiene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4,6-Trichlorophenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,4,5-Trichlorophenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chloroaphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Nitroaniline	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dimethylphthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1200	BDL	BDL	890	BDL
2,6-Dinitrotoluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3-Nitroaniline	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Acenaphthene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2600	BDL	BDL	450	BDL
2,4,-Dinitrophenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Nitrophenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibenzofuran	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	450	BDL
2,4-Dinitrotoluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Diethylphthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4-Chorophenyl-phenylether	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Fluorene	BDL	BDL	BDL	BDL	BDL	6900	BDL	BDL	BDL	2000	BDL	BDL	1100	BDL
4-Nitroaniline	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
4,6-Dinitro-2-methylphenol	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
N-Nitrosodiphenylamine	BDL	BDL	BDL	BDL	3900	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	420
4-Bromophenyl-phenylether	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hexachlorobenzene	BDL	BDL	20000	53000	24000	BDL	BDL	820	15000	BDL	BDL	BDL	BDL	2700
Pentachlorophenol	BDL	BDL	BDL	BDL	BDL	51000	200	200	BDL	BDL	BDL	BDL	BDL	2600
Phenanthrene	BDL	BDL	BDL	BDL	540	12000	BDL	140	BDL	5200	770	BDL	2800	BDL
Anthracene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	980	BDL	BDL	500	BDL
Di-n-Butylphthalate	BDL	BDL	BDL	BDL	450	BDL	BDL	BDL	1500	BDL	BDL	BDL	BDL	BDL
Fluoranthene	BDL	BDL	BDL	BDL	BDL	5500	99	170	BDL	800	BDL	BDL	1100	BDL
Pyrene	BDL	BDL	BDL	BDL	BDL	10000	67	200	BDL	930	BDL	BDL	3100	BDL
Butylbenzylphthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
3,3'-Dichlorobenzidine	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(a)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chrysene	BDL	BDL	BDL	BDL	BDL	7100	BDL	140	BDL	BDL	BDL	BDL	BDL	BDL

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Bis(2-Ethylhexyl)phthalate	360	920	BDL	BDL	260	BDL	210	290	380	BDL	BDL	72	BDL	2100
Di-n-Octyl Phthalate	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(b)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(k)fluoranthene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(a)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Indeno(1,2,3-cd)pyrene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dibenzo(a,h)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzo(g,h,i)perylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

QED Environmental Systems, Inc.

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001	REPAIRS TO: 1-P1201 &P.M. S/N 10890			1.0000	1.0000	
002	34557 FERRULE FRONT 1/8" SS		EA	2.0000	2.0000	
003	34558 FERRULE BACK		EA	2.0000	2.0000	
004	34455B CONN 1/4TX1/4MPT POLY BT		EA	1.0000	1.0000	
005	34615 TUBING 1/8" POLYPROPELENE		FT	1.0000	1.0000	
006	34504 UNION 1/8" TUBE SS		EA	1.0000	1.0000	
007	LABOR HOURS		HRS	1.2500	1.2500	
008	RAC NO. 2454					

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