Status Report

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV, Athens, GA 30605

Site: A.L. Taylor
Break: 2.2
Other:

DATE: March 14, 1979

SUBJECT: Analytical Status Report on Hazardous Waste Sites, Louisville, KY

FROM: Tom B. Bennett, Jr., Chief
Analytical Services Section, LSB

TO: Mike Carter, Chief
Water Surveillance Branch

Attached is the status report on the Hazardous Waste Sites near Louisville, KY, that was previously hand-distributed by Jim Finger on March 12, 1979.

Please note that this is preliminary information to provide a rough idea of what is being found at the various sampling sites. The final report will provide considerably more information on specific compounds and concentrations. There may also be corrections to the data.

One correction that should be noted at this time is in Sample No. 0364, West Point finished water, listed with the samples from the 13.68-Acre Farm. Diethyl tetrahydrofuran 170 ug/l should be changed to bromocyclohexanol. However, the bromocyclohexanol is one of the compounds formed when a chlorinated water supply sample reacts with impurities in the methylene chloride extracting solvent. Therefore, the bromocyclohexanol should be considered an artifact and, therefore, the finished water is clean.

Tom B. Bennett, Jr.

Tom B. Benrett, Jr.

Enclosure

cc - Tom Devine
Paul Traina
Mark McClanahan
Jack Stonebraker

10951684

PA Form 1320-6 (Rev. 3-76)

ENVIRONMENTAL LABORATORY ACTIVITY STATUS
HAZARDOUS WASTE SITES
LOUISVILLE, KENTUCKY
MARCH 9, 1979

SITE LOCATION	ACTIVITY[1/]	LABORATORY STATUS			GENERAL FINDINGS		
		VOA	EXTRACTABLES	METALS	VOA	EXTRACTABLES	METALS
13.68-Acre Farm	WM-16706 Abbott Beach Rd. (0369)	Complete	Complete	Incomplete	Clean except for trichlorofluoromethane 5.6 ug/l	Clean[2/]	Analysis starts 3-12
	WM-16810 Abbotts Beach Rd. (0368)	Complete	Complete	Incomplete	Clean except for trichlorofluoromethane 35 ug/l	Clean[2/]	Analysis starts 3-12
	WM-17108 Abbott Beach Rd. (0367)	Complete	Complete	Incomplete	Clean except for trichlorofluoromethane & pentane 8-38 ug/l	Clean[2/]	Analysis starts 3-12
	WM-Ft. Knox Well Supply (0371)	Complete	Complete	Incomplete	Clean[2/]	Clean[2/]	Analysis starts 3-12
	WM-West Point Raw (0372)	Complete	Complete	Incomplete	Clean[2/]	Clean[2/]	Analysis starts 3-12
	WM-West Point Finished (0364)	Complete	Complete	Incomplete	Clean[2/]	Clean except for ~~diethyl-tetrahydrofuran~~ 170 ug/l bromocylohexanol (see attached memo)	Analysis starts 3-12
	AM-Stump Gap Ck. Upstream of Katherine Stn. Road (0370)	Complete	Complete	Incomplete	Clean[2/]	14 Compounds in the 1-20 ug/l range, cyclopentanone @ 20 ug/l	Analysis starts 3-12
	AM-Stump Gap Ck. Downstream of Barn (0365)	Complete	Complete	Incomplete	Clean, except for tetrachloroethene 6.9 ug/l	6 compounds in the 1-10 ug/l range	Analysis starts 3-12
	AM-Stump Gap Ck. Sediment downstream of Barn (0366	Complete	Complete	Incomplete	Not analyzed	Several unidentified compounds @ <1 ppm, Trace (<.1 ppm) Aroclor 1260	Analysis starts 3-12

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13.68-Acre Farm	C-13.68-Acre Farm Site Cores (0480-0503)	Incomplete	Incomplete	Incomplete	Not Analyzed	Not Analyzed	Not Analyzed
Brickyard	AM-Bee Branch Upstream of unnamed tributary (0373)	Complete	Complete	Incomplete	Clean[2]	Clean[2]	Analysis starts 3-12
	AM-Bee Branch Downstream of unnamed tributary (0376)	Complete	Complete	Incomplete	Clean[2]	Clean[2]	Analysis starts 3-12
	AM-Bee Branch Sediment Upstream of unnamed tributary (0374)	Incomplete	Complete	Incomplete	Not Analyzed	Clean[3]	Analysis starts 3-12
	AM-Bee Branch Sediment downstream of unnamed tributary (0375)	Incomplete	Complete	Incomplete	Not Analyzed	Clean[3]	Analysis starts 3-12
	C-Brickyard Site Cores (0377-0409)	Incomplete	Incomplete	Incomplete	Not Analyzed	Not Analyzed	Not Analyzed
A. J. Taylor Site (Valley)	WM-10820 National Turnpike (0346)	Complete	Complete	Incomplete	Chloroform, bromodichloroethane, isopropanol 7-13 ug/l	Two compounds @ <2 ug/l, xylene	Analysis starts 3-12
	WM-P.O.Box 241 Brooks, KY (0347)	Complete	Complete	Incomplete	Clean[2]	Clean[2]	Analysis starts 3-12

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A. J. Taylor Site (Valley)	AM-Wilson Ck-1 Water (0357)	Complete	Complete	Incomplete	Significant Compounds: Acetone, methylisobutylketone (2000-8000 ug/l range); methylene-chloride, trans-1,2, dibromoethylene (50 ug/l)	50 compounds in 1-100 ug/l ketones, alcohols & acids in greatest concentrations	Analysis starts 3-12
	AM-Wilson Ck-1 Sediment (0356)	Complete	Incomplete	Incomplete	Significant Compounds: Acetone, methylethyl-ketone, methyliso-butyl-ketone & one unidentified compound in mg/kg range	25 compounds present in concentrations 1-10 mg/kg range; trace of Aroclor 1260 (<0.2 mg/kg) (screened only)	Analysis starts 3-12
	AM-Wilson Ck-2 Water (0358)	Complete	Complete	Incomplete	Significant Compounds: Acetone, methylethyl-ketone, methylisobutyl ketone (6000-13000 ug/l range); methylenechloride, trans-1,2-dich-loroethylene, toluene, ethyl-ben-zene, isopropanol, 2-butanol, hexa-nol (6-114 ug/l range)	55 compounds present in 1-100 ug/l range. Aroma-tics, acids, ketones, and alcohols	Analysis starts 3-12
	AM-Wilson Ck-2 Sediment (0359)	Complete	Incomplete	Incomplete	Significant Compounds: Acetone, methylethyl-ketone, methylisobutyl-ketone, and one unidentified com-pound in mg/kg range.	2 compounds in 1-10 mg/kg range; 10 compounds in <1 mg/kg range; Aroclor 1242 & 1260 in 0.5-3.0 mg/kg range. Presence of lubri-cating-type petroleum products. (Screened only)	Analysis starts 3-12
	AM-Wilson Ck-3 Water (0362)	Complete	Complete	Incomplete	Significant compounds: Acetone, methylethylketone, methyl-isobutyl-ketone (2400-5200 ug/l range); methyl-enechloride trans-1,2-dichloroethylene (8-43 ug/l range)	41 compounds in 1-50 ug/l range; Aromatics, alcohols, ketones, acids	Analysis starts 3-12

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		VOA	EXTRACTABLES	METALS	VOA	EXTRACTABLES	METALS
A. J. Taylor Site (Valley)	AM-Wilson Ck-3 Sediment (0363)	Incomplete	Incomplete	Incomplete	Not Analyzed	2 compounds in 1 mg/kg range, 5 compounds in <1 mg/kg range, Trace of Aroclor 1260 (<.1 mg/kg) range) (Screened only)	Analysis starts 3-12
	AM-Wilson CK-4 Water (0361)	Complete	Complete	Incomplete	Significant Compounds: Acetone, methylethyl-ketone, methyliso-butyl-ketone (1300-4500 ug/l range); methylene-chloride 30 ug/l.	36 compounds in 1-35 ug/l range, aromatics, alcohols, acids, ketones.	Analysis starts 3-12
	AM-Wilson Ck-4 Sediment (0360)	Incomplete	Incomplete	Incomplete	Not Analyzed	10 compounds in 1-10 mg/kg range; 10 compounds in <1 mg/kg range and trace of Aroclor 1260 (<0.5 mg/kg). (Screened only)	Analysis starts 3-12
	AM-Pond CK-1 Water (0353)	Complete	Complete	Incomplete	Clean[2/]	4 compounds @<2 ug/l; 1 compound @ <10 ug/l	Analysis starts 3-12
	AM-Pond Ck-1 Sediment (0352)	Incomplete	Incomplete	Incomplete	Not Analyzed	38 compounds <1 mg/kg; trace of chlordane (<0.01 mg/kg). (Screened only)	Analysis starta 3-12
	AM-Pond Ck-2 Water (0348)	Complete	Complete	Incomplete	Clean except for Isopropanol 8.1 ug/l	Clean[2/]	Analysis starts 3-12
	AM-Pond Ck-2 Sediment (0349)	Incomplete	Incomplete	Incomplete	Not Analyzed	19 compounds <1 mg/kg; trace chlordane (<0.01 mg/kg), Trace Aroclor 1260 (<0.01 mg/kg), Presence of lubricating-type petroleum produce (screened only)	Analysis starts 3-12

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A. J. Taylor Site (Valley)	AM-Pond CK-3 Water (0344)	Complete	Complete	Incomplete	Clean[2]	Clean[2]	Analysis starts 3-12
	AM-Pond Ck-3 Sediment (0345)	Incomplete	Incomplete	Incomplete	Not Analyzed	31 compounds (<1 mg/kg; Trace chlordane (<0.1 mg/kg), Trace Aroclor 1260 (<0.05 mg/kg). Presence of lubricating-type petroleum products (screened only)	Analysis starts 3-12
	AM-Taylor Site-1 Water (0418)	Complete	Complete	Incomplete	Clean except for methylene chloride, tetrachloroethene 6 ug/l	3 compounds @ <100 ug/l, 5 compounds @ <10 ug/l.	Analysis starts 3-12
	AM-Taylor Site-1 Sediment (0419)	Incomplete	Incomplete	Incomplete	Not Analyzed	5 compounds <10 mg/kg, 34 compounds <1 mg/kg (screened only)	
	AM-Taylor Site-2 Water (0421)	Complete	Complete	Incomplete	Clean except for methylene chloride, tetrachloroethene 8-18 ug/l	4 compounds 100-500 ug/l, 8 compounds 10-100 ug/l range, 10 compounds <10 ug/l range	Analysis starts 3-12
	AM-Taylor Site-2 Sediment (0420)	Incomplete	Incomplete	Incomplete	Not Analyzed	1 compound <10 mg/kg, 4 compounds <5 mg/kg, 4 compounds <2 mg/kg, 18 compounds <1 mg/kg (screened only)	Analysis sta 3-12
	AM-Taylor Site-3 Water (0422)	Complete	Complete	Incomplete	Methylene chloride, tetrachloroethene, trans-1,2-dichloroethylene, toluene, ethylbenzene, methylisobutyl-ketone, dimethyldisulfide in 5-350 ug/l range	Xylenes @ 260 ug/l and 71 other compounds @ <100 ug/l	Analysis starts 3-12

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A. J. Taylor Site	AM-Taylor Site-3 Sediment (0423)	Incomplete	Incomplete	Incomplete	Not Analyzed	7 compounds <10 mg/kg, 5 compounds <10 mg/kg, 13 compounds <5 mg/kg, 25 compounds <1 mg/kg, Aroclor 1260 1.5 mg/kg. Presence of Lubricating-type petroleum product (screened only)	Analysis starts 3-12
	AM-Taylor Site 4 Water (0425)	Complete	Complete	Incomplete	Significant Compounds: Methyl-isobutyl-ketone 880 ug/l, xylenes 630 ug/l, toluene 160 ug/l, 2-Hexanol 78 ug/l, trans-1,2-dichloroethylene 26 ug/l, trichloroethylene 22 ug/l, ethybenzenes 10 ug/l	7 compounds 100-500 ug/l, 57 compounds 1-100 ug/l, aromatics, alcohols, ketones, acids, phthlates.	Analysis starts 3-12
	AM-Taylor Site 4 Sediment (0424)	Incomplete	Incomplete	Incomplete	Not analyzed	10 compounds 100-400 mg/kg range, 46 compounds 1-100 mg/kg range. Aroclor 1260 (14 mg/kg). Screened only.	Analysis starts 3-12
	AM-Taylor Site 5 Water (0426)	Complete	Complete	Incomplete	Significant Compounds: Methyl-isobutyl-ketone 1100 ug/l, xylenes 400 ug/l, methyl-ethyl-ketone 470 ug/l, acetone 400 ug/l, toluene 180 ug/l, methylene chloride 400 ug/l, trans-1, 2, dichloroethylene 36 ug/l, ethyl benzene 24 ug/l	96 compounds, most in the 1-100 ug/l range.	Analysis starts 3-12

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A. J. Taylor Site	AM-Taylor Site 5 Sediment (0427)	Incomplete	Incomplete	Incomplete	Not Analyzed	62 compounds, 14 compounds 10 mg/kg range, Aroclor 1260 (1.0 mg/kg). Screened only)	Analysis starts 3-12
	AM-Taylor Site 6 Water (0429)	Complete	Complete	Incomplete	Clean, except for methylene chloride, tetrachloroethene <10 ug/l	54 compounds 1-60 ug/l, acids, alcohols, ketones, phthlates, phenols	Analysis starts 3-12
	AM-Taylor Site 6 Sediments (0428)	Incomplete	Incomplete	Incomplete	Not Analyzed	40 compounds 2 mg/kg range (screened only)	Analysis star ts 3-12
	AM-Taylor Site 7 Water (0430)	Complete	Complete	Incomplete	Significant Compounds: Methyl-isobutyl-ketone 1600 ug/l, acetone 730 ug/l, methylethyl-ketone 690 ug/l, xylenes 340 ug/l, toluene 160 ug/l, 2-Hexa-nol 37 ug/l, ethylbenzenes 3 ug/l.	90 compounds 1-50 ug/l range	Analysis starts 3-12
	AM-Taylor Site 7 Sediment (0431)	Incomplete	Incomplete	Incomplete	Not Analyzed	40 compounds 1 1 mg/kg range (screened only)	Analysis starts 3-12

1/- AM-Ambient Monitoring, WM-Well Monitoring, C-Core Sampling
2/- Clean - No organic compounds present >5 ug/l.
3/- Clean (sediment) No organic compounds present >1.0 mg/kg