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TECHNOLOGY EVALUATION REPORT:

BIOTROL SOIL WASHING SYSTEM FOR TREATMENT OF A WOOD PRESERVING SITE

Volume II - Part A

by

Science Applications International Corporation
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NOTICE

The information in this document has been funded by the U.S. Environmental Protection Agency under the auspices of the Superfund Innovative Technology Evaluation (SITE) Program under Contract numbers 68-03-3485 and 68-CO-0048 to Science Applications International Corporation. It has been subjected to the Agency's peer and administrative review, and it has been approved for publication as an EPA document. Mention of trade names or commercial products does not constitute an endorsement or recommendation for use.

FOREWORD

The Superfund Innovative Technology Evaluation (SITE) program was authorized in the 1986 Superfund amendments. The program is a joint effort between EPA's Office of Research and Development and Office of Solid Waste and Emergency Response. The purpose of the program is to assist the development of hazardous waste treatment technologies necessary to implement new cleanup standards which require greater reliance on permanent remedies. This is accomplished through technology demonstrations which are designed to provide engineering and cost data on selected technologies.

This project consists of an analysis of one configuration of BioTrol, Inc.'s proprietary soil washing system. The demonstration took place at the MacGillis & Gibbs Superfund site in New Brighton, Minnesota, a wood treatment facility operating since approximately 1920. The demonstration effort was directed at obtaining information on the performance and cost of the process sequence for use in assessments at other sites. Documentation for the project consists of this Technology Evaluation Report and an Applications Analysis Report. The Technology Evaluation Report provides a detailed analysis of the data acquired during the demonstration; discusses the technical aspects of the technology; and describes the field activities and laboratory results. This is Volume II of this report and contains original analytical data and quality control and assurance information in which certain readers may be interested. The companion Applications Analysis Report summarizes the results of the demonstration and looks more broadly at the applicability of the technology to other sites and the criteria (e.g., site and waste characteristics, economics, etc.) that would need to be addressed.

For further information, please contact the Superfund Technology Demonstration Division at the Risk Reduction Engineering Laboratory.

E. Timothy Oppelt, Director
Risk Reduction Engineering Laboratory

ABSTRACT

The SITE Program demonstration of one configuration of the BioTrol Soil Washing System (BSWS) was conducted to obtain reliable performance and cost data that can be used to evaluate the potential applicability of the technology as a remediation alternative for sites contaminated with hazardous wastes. The BSWS treatment train used in this study consists of three technologies: a soil washer; an aqueous treatment system; and a slurry bio-reactor. The demonstration was carried out at the MacGillis & Gibbs Superfund site in New Brighton, MN.

Contaminated soils were treated by the soil washer (SW) using a multi-stage countercurrent attrition/classification and flotation system to separate heavily contaminated fine soil particles from the bulk soil. The SW operates on the principle that most of the contaminants are associated with the fine size-fraction of the bulk soil. The heavily contaminated fine soil particles are treated in a Slurry Bio-Reactor (SBR), a cascading aerated reactor system using biological degradation. Contaminated process water from the SW is biodegraded in the BioTrol Aqueous Treatment System (BATS) using an aerated, fixed-film reactor.

This report analyzes the results from this SITE demonstration. It includes discussion of the operation of the three separate treatment technologies (SW, SBR, and BATS) evaluated in this test and provides flow diagrams, a summary of the sampling and analytical programs, an economic analysis, and a quality assurance/quality control evaluation of the data.

Conclusions were reached concerning the technology's suitability for use in remediations involving both similar and different materials at other sites. The conclusions from the test results and from other available data are:

- The Soil Washer (SW) can achieve removal efficiencies up to 89% for pentachlorophenol (penta) and polynuclear aromatic hydrocarbons (PAHs), based on the reduction in penta mass from the Feed Soil to the Washed Soil output fraction. As a result of the segregation in the SW, the Washed Soil constitutes about 83% of the output stream solids.

- Specifically, the two Feed Soils, with weighted average penta concentrations of 130 mg/Kg and 680 mg/Kg penta, produced Washed Soil streams with weighted average penta concentrations of 14 mg/Kg and 87 mg/Kg. Total PAHs decreased from 247 mg/Kg and 404.1 mg/Kg in the same two Feed Soils to 42 mg/Kg and 48 mg/Kg in the Washed Soils.

- A small quantity of a fine particle cake (~7% of output solids) retaining a major portion of the penta and PAH contamination (about 30% of the total output) is also obtained. With the MacGillis and Gibbs soils, two additional fractions containing significant amounts of penta and PAHs were also obtained.

- The Slurry Bio-reactor (SBR) appears to be capable of achieving pentachlorophenol removal of >90% and PAH removals in the 70-90+% range; however, the unit did not reach steady-state operation and optimum performance was not reached.

- The BioTrol Aqueous Treatment System (BATS) can achieve up to 94% degradation of pentachlorophenol in process water from the SW. Removal of PAHs could not be determined because influent concentrations were below detection limits.

- The estimated cost to install and operate an integrated pilot-scale system (SW, BATS, SBR), based on a 0.25-0.50 ton/hr Soil Washer operating for two weeks to assess applicability for remediation is $745,000. For a full-scale system the total cost (capital plus operating) to clean up 30,000 yd^3, such as at the MacGillis and Gibbs site, is estimated at about $83/ton, based on a 20 ton/hr Soil Washer, three 100 gpm BATS units, and a 23 gpm SBR. This figure does include incineration of contaminated fine and coarse oversize material. Costs for a full-scale, operating system were not available at the time this report was prepared.

This volume, consisting of several appendices, presents key analytical data and the quality control and quality assurance studies that were carried out as part of the demonstration evaluation. Additional supporting data is archived in EPA's Edison, New Jersey laboratory.

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TABLE OF ABBREVIATIONS AND SYMBOLS

AAS	atomic absorption spectroscopy
ASTM	American Society for Testing and Materials
BATS	BioTrol Aqueous Treatment System
BSWS	BioTrol Soil Washer System
CCA	chromated copper arsenate
CDE	Combined Dewatering Effluent
CEC	cation exchange capacity
COD	chemical oxygen demand
CV	coefficient of variation
DFTPP	decafluorotriphenylphosphine
DO	dissolved oxygen
EP Tox	Extraction Procedure Toxicity (test)
gal	gallon(s)
GC	gas chromatography
gpm	gallons per minute
kg	kilogram(s)
kw	kilowatt(s)
L	liter(s)
MDL	method detection limit
mg	milligram(s)
ml	milliliter
mm	millimeter(s)
MN	Minnesota
MS	mass spectrometry
MS/MSD	matrix spike and matrix spike duplicate
MPCA	Minnesota Pollution Control Agency
MTLS	metals, other than arsenic, chromium and copper
No.	number
PAH	polynuclear aromatic hydrocarbon
PCDD	polychlorinated dibenzodioxins (also CDD)
PCDF	polychlorinated dibenzofurans (also CDF)
penta	pentachlorophenol
PFTBA	perfluorotributylamine
pH	- logarithm [hydrogen ion concentration]
PM	Project Manager
ppb	parts per billion
ppm	parts per million
QA	quality assurance
QAPjP	quality assurance project plan
QAPP	quality assurance program plan
QC	quality control
RE	relative error
RPD	relative percent difference

SAIC	Science Applications International Corporation
SBR	Slurry Bio-Reactor
SITE	Superfund Innovative Technology Evaluation (Program)
STD	standard
SW	Soil Washer
SW-xxxx	EPA SW-846 method number xxxx
TOC	total organic carbon
TRPH	total recoverable petroleum hydrocarbons
ug	microgram
um	micrometer(s)
°C	degrees Celsius
<	less than
>	greater than
≥	greater than or equal to

CONVERSION FACTORS

	English (US)	x	Factor	=	Metric
Area:	1 ft^2	x	9.29×10^{-2}	=	m^2
	1 in^2	x	6.45	=	cm^2
Flow Rate:	1 gal/min	x	6.31×10^{-5}	=	m^3/s
	1 gal/min	x	6.31×10^{-2}	=	L/s
	1 Mgal/d	x	43.8	=	L/s
	1 Mgal/d	x	3.78×10^{3}	=	m^3/d
	1 Mgal/d	x	4.38×10^{-2}	=	m^3/s
Length:	1 ft	x	0.30	=	m
	1 in	x	2.54	=	cm
	1 yd	x	0.91	=	m
Mass:	1 lb	x	4.54×10^{2}	=	g
	1 lb	x	0.454	=	kg
Volume:	1 ft^3	x	28.3	=	L
	1 ft^3	x	2.83×10^{-2}	=	m^3
	1 gal	x	3.78	=	L
	1 gal	x	3.78×10^{-3}	=	m^3

ft = foot, ft^2 = square foot, ft^3 = cubic foot
in = inch, in^2 = square inch
yd = yard
lb = pound
gal = gallon
gal/min (or gpm) = gallons per minute
Mgal/d (or MGD) = million gallons per day
m = meter, m^2 = square meter, m^3 = cubic meter
cm = centimeter, cm^2 = square centimeter
L = liter
g = gram
kg = kilogram
m^3/s = cubic meters per second
L/s = liters/sec
m^3/d = cubic meters per day

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SECTION 1

INTRODUCTION AND EXPLANATIONS

1.1 INTRODUCTION

This document, Volume II of the Technology Evaluation Report for the SITE program study of the BioTrol Soil Washing System, presents data that may be of value to personnel involved in assessing the viability of the system for other sites undergoing remediation. These volumes represent a compilation of the very large volume of data that was obtained and documented by the analytical laboratories that participated in this study, as well as the field data collected in the field by Science Applications International Corporation field personnel. Additional supporting material, such as concerning standards validation, raw field data log books, etc. may also be of interest and can be accessed through the EPA Project Manager, Ms. Mary K. Stinson, at EPA's Edison, New Jersey laboratory.

To facilitate access, the enclosed data tables have been organized in a specific manner, as noted in the Table of Contents. Within each Appendix (e.g., Soil Washer data), data is first presented as compiled or used in Volume I of the report. Usually, this means that the masses reflect the weighting process used to adjust for variations in flow during the experiment. This is then followed by the final data from the analyses themselves and, lastly, by the raw data as provided by the analyst. In the case of the BATS and the SBR, much of the weighted data is presented in Volume I; the Volume II data is meant only to supplement that. Finally, this Volume II also contains dioxin and furan data from all three processes that were evaluated.

Certain short hand schemes were used to relate the samples as collected to the analytical firms' identifying numbers. These make it possible to determine rapidly the source of a particular sample. Thus, the Soil Washer input and output samples are prefixed with "SW" followed by an "L" or "H" to indicate they are derived from the test with the low or the high penta concentrations. Following this is a two, three, or four letter identifying code indicating the actual input or output stream, as follows:

FS = Feed Soil
WS = Washed Soil
CO = Coarse Oversize
FO = Fine Oversize
FPC = Fine Particle Cake
CDE = Combined Dewatering Effluent
ATW = Aqueous Treatment System recycle stream
MW = Municipal Water
Floc = Thickener flocculent stream

Finally, each sample contains one or more numbers indicating when it was collected. Samples of the soil piles used in the low and high penta experiments are identified as SPL or SPH, respectively.

In the section presenting the results of the BATS tests, samples are identified as ATSL or ATSH, depending on whether the test was carried out using the process water during the low or the high penta soil washing test. They are then further identified as influent (inf) or effluent (eff) and given a number to indicate when they were collected.

The Slurry Bio-Reactor was operated only with liquor from the high penta soil washing test. Samples are identified as influent or effluent. In addition, since many of the analyses required that samples be filtered in solids and liquid phase, those codes also include a "LS" for liquid phase or "SS" for solid phase.

FINAL FIELD DATA

DENSITY DETERMINATION OF VARIOUS SOIL WASHER STREAMS

Washed Sand (WS)

Weight	Drum + Water	366.5 lbs
	Drum	49.5 lbs
	Water	317.0 lbs
Weight	Drum + WS	641.0 lbs
	Drum	49.5 lbs
	WS	591.5 lbs

Sp Gr = WS / Water = 591.5 lbs / 317.0 lbs

Sp.Gr. = 1.866

Density = 1.866 g/ml
= 116.5 lbs/cu ft
= 1.6 tons/cu yd

Fine Oversize (FO)

Weight	Drum + Water	358.5 lbs
	Drum	49.5 lbs
	Water	309.0 lbs
Weight	Drum + FO	393.5 lbs
	Drum	49.5 lbs
	FO	344.0 lbs

Sp Gr = FO / Water = 344.0 lbs / 309.0 lbs

Sp.Gr. = 1.113

Density = 1.113 g/ml
= 69.5 lbs/cu ft
= 0.9 tons/cu yd

Coarse Oversize (CO)

Weight	Drum + Water	365.0 lbs
	Drum	49.5 lbs
	Water	315.5 lbs
Weight	Drum + CO	374.5 lbs
	Drum	49.5 lbs
	CO	325.0 lbs

Sp Gr = CO / Water = 325.0 lbs / 315.5 lbs

Sp.Gr. = 1.030

Density = 1.030 g/ml
= 64.3 lbs/cu ft
= 0.9 tons/cu yd

Fine Particle Cake (FPC)

Weight	Drum + Water	369.0 lbs
	Drum	49.5 lbs
	Water	319.5 lbs
Weight	Drum + FPC	433.0 lbs
	Drum	49.5 lbs
	FPC	383.5 lbs

Sp Gr = FPC / Water = 383.5 lbs / 319.5 lbs

Sp.Gr. = 1.200

Density = 1.200 g/ml
= 74.9 lbs/cu ft
= 1.0 tons/cu yd

WASHED SOIL (WS) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+WS (lbs)	DRUM (lbs)	WS (lbs)	ADJUSTED WS (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	MASS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	MASS FLOW DURING COMPOSITE PERIOD (kg)
09/25/89	12:37		TIME ZERO											
09/25/89	14:05										0			
09/25/89	14:37		SWL-WS-01-01								1.5			
09/25/89	15:05	WS-1		593.5	49	544.5	548.6	549	1000 ML		2.0			
09/25/89	16:26	WS-2		869.5	49	820.5	820.5	608			2.5			
09/25/89	16:40		SWL-WS-01-01								3.8			
09/25/89	17:26	WS-3		790.5	49.5	741.0	745.1	745	1000 ML		4.0			
09/25/89	18:35	WS-4		773	49	724.0	724.0	630			4.8			
09/25/89	18:37		SWL-WS-01-01								6.0			
09/25/89	19:50	midpoint							1000 ML		6.0	4322		1961
09/25/89	19:54	WS-1		760	53	707.0	711.1	540			7.2			
09/25/89	21:00	WS-2		767	56.5	710.5	710.5	646			7.3			
09/25/89	21:04		SWL-WS-01-02								8.4			
09/25/89	22:10	WS-3		797	53.5	743.5	747.6	641	1000 ML		8.4			
09/25/89	22:50		SWL-WS-01-02								9.6			
09/25/89	23:30	WS-4		883.5	54.5	829.0	833.1	625	1000 ML		10.2			
09/26/89	00:37		SWL-WS-01-02								10.9			
09/26/89	00:45	WS-1		775	53.5	721.5	725.6	580	1000 ML		12.0	3593		1630
09/26/89	01:35	midpoint									12.1			
09/26/89	01:47	WS-3		728.5	53.5	675.0	675.0	653			13.0			
09/26/89	02:33		SWL-WS-01-03								13.2			
09/26/89	02:51	WS-1		739	54.5	684.5	688.6	646	1000 ML		13.9			
09/26/89	03:58	WS-3	BROKEN SCALE -- ESTIMATED DATA				713.2	639			14.2			
09/26/89	04:37		SWL-WS-01-03								15.3			
09/26/89	05:08	WS-1		769.5	54	715.5	719.6	617	1000 ML		16.0			
09/26/89	06:17	WS-3		791.5	56.5	735.0	735.0	639			16.5			
09/26/89	06:27		SWL-WS-01-03								17.7			
									1000 ML		17.8	3869		1755

000005

WASHED SOIL (WS) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+WS (lbs)	DRUM (lbs)	WS (lbs)	ADJUSTED WS (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	MASS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	MASS FLOW DURING COMPOSITE PERIOD (kg)
09/26/89	07:33	WS-1		855	53	802.0	806.1	636			18.9			
09/26/89	07:40	midpoint									19.0			
09/26/89	08:38	WS-3		754	50	704.0	704.0	650			20.0			
09/26/89	08:53		SWL-WS-01-04						1000 ML		20.3			
09/26/89	09:44	WS-5		788.5	49.5	739.0	743.1	676			21.1			
09/26/89	10:43		SWL-WS-01-04						1000 ML		22.1			
09/26/89	11:03	WS-3		884.0	68.0	816.0	820.1	623			22.4			
09/26/89	12:16	WS-5		910.5	54.5	856.0	856.0	704			23.6			
09/26/89	13:08		SWL-WS-01-04						1000 ML		24.5	4551		2064
09/26/89	13:34	WS-6		899.5	49.5	850.0	854.1	657			24.9			
09/26/89	14:32	midpoint									25.9			
09/26/89	14:45	WS-5		856.5	62.0	794.5	794.5	671			26.1			
09/26/89	15:36		SWL-WS-02-01						1000 ML		27.0			
09/26/89	15:56	WS-6		872.5	58.0	814.5	818.6	692			27.3			
09/26/89	16:36		SWL-WS-02-01						1000 ML		28.0			
09/26/89	17:11	WS-5		765.0	54.5	710.5	714.6	572			28.6			
09/26/89	17:59		SWL-WS-02-01						1000 ML		29.4	3295		1495
09/26/89	18:15	WS-6		789.5	62.0	727.5	731.6	686			29.6			
09/26/89	19:32	WS-5		845.5	66.0	779.5	779.5	607			30.9			
09/26/89	19:42	midpoint									31.1			
09/26/89	20:46	WS-7		826.5	49.5	777.0	777.0	630			32.2			
09/26/89	21:25		SWL-WS-02-02						1000 ML		32.8			
09/26/89	22:00	WS-5		812.0	52.0	760.0	764.1	620			33.4			
09/26/89	22:34		SWL-WS-02-02						1000 ML		33.9			
09/26/89	23:20	WS-7		810.0	52.0	758.0	762.1	572			34.7			
09/27/89	00:37	WS-5		783.0	57.0	726.0	726.0	566			36.0			
09/27/89	01:10		SWL-WS-02-02						1000 ML		36.6	3555		1613

WASHED SOIL (WS) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+WS (lbs)	DRUM (lbs)	WS (lbs)	ADJUSTED WS (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	MASS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	MASS FLOW DURING COMPOSITE PERIOD (kg)
09/27/89	01:58	midpoint												
09/27/89	02:19	WS-8		840.0	49.5	790.5	794.6	467			37.3			
09/27/89	02:46		SWL-WS-02-03						1000 ML		37.7			
09/27/89	03:58	WS-5		811.0	57.0	754.0	762.2	462			38.2			
09/27/89	04:35		SWL-WS-02-03						1000 ML		39.3			
09/27/89	05:45	WS-8		785.0	57.0	728.0	728.0	408			40.0			
09/27/89	06:33		SWL-WS-02-03						1000 ML		41.1			
09/27/89	07:30	WS-5		826.0	61.0	765.0	769.1	439			41.9	2897		1314
09/27/89	08:41	midpoint									42.9			
09/27/89	09:27	WS-8		834.5	54.0	780.5	780.5	400			44.1			
09/27/89	10:49		SWL-WS-02-04						1000 ML		44.8			
09/27/89	11:51	WS-5***		843.0	53.5	789.5	793.6	331			46.2			
09/27/89	12:12		SWL-WS-02-04						1000 ML		47.2			
09/27/89	13:30	WS-9		766.0	49.5	716.5	720.6	437			47.6			
09/27/89	14:47		SWL-WS-02-04						1000 ML		48.9			
09/27/89	15:07			END OF TEST							50.2	2438		1106
09/27/89	15:31	WS-10		815.0	49.0	766.0	770.1	382			50.5			
											50.9			
						27056	27868					28520	28520	12937

Two Sig. Figs. 13000

000007

MUNICIPAL WATER (MW) -- LOW SOIL TEST

DATE	TIME	SAMPLE ID	ROTOMETER READINGS #1	#2	#3	#4	#5	#6	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	TOTAL MW FLOW (gal)	MW FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	MW FLOW DURING COMPOSITE PERIOD (liters)
09/25/89	12:37					TIME ZERO					0					
09/25/89	15:24	SWL-MW-01-01									2.8	70				
09/25/89	15:28		1.20	1.00	1.00	2.70	0.70	0.00	6.60	3303	2.8		1129			
09/25/89	17:01		1.20	1.15	0.40	2.20	0.75	0.00	5.70	2852	4.4		553			
09/25/89	19:05	SWL-MW-01-01									6.5	40				
09/25/89	19:24		1.20	1.01	0.80	2.20	0.75	0.00	5.96	2982	6.8		852			
09/25/89	21:25		1.20	1.05	0.75	2.50	0.75	0.00	6.25	3128	8.8					
09/25/89	23:00	SWL-MW-01-01									10.4	36		3704		14019
09/25/89	23:05		1.25	1.15	0.00	2.60	0.75	0.00	5.75	2877	10.5		575			
09/25/89	00:56	midpoint									12.3					
09/26/89	01:14		1.25	1.08	0.00	2.25	0.78	0.00	5.36	2682	12.6		691			
09/26/89	02:01		1.25	1.10	0.00	2.25	0.80	0.00	5.40	2702	13.4		351			
09/26/89	02:52	SWL-MW-01-02									14.3	34				
09/26/89	03:10		1.28	1.10	0.00	2.17	0.80	0.00	5.35	2677	14.5		369			
09/26/89	04:00		1.29	1.10	0.00	2.10	0.80	0.00	5.29	2647	15.4		360			
09/26/89	05:13		1.28	1.10	0.00	2.22	0.78	0.00	5.38	2692	16.6		662			
09/26/89	06:04		1.25	1.09	0.00	2.22	0.78	0.00	5.34	2672	17.4		662			
09/26/89	06:43	SWL-MW-01-02									18.1	33				
09/26/89	07:06		1.27	1.08	0.00	2.00	0.78	0.00	5.13	2567	18.5		318			
09/26/89	08:00		1.21	1.08	0.00	2.00	0.79	0.00	5.08	2542	19.4		391			
09/26/89	10:05		1.20	1.05	0.00	2.00	0.75	0.00	5.00	2502	21.5		895			
09/26/89	10:47	SWL-MW-01-02									22.2			4931		18664
09/26/89	11:12		1.20	1.10	0.00	1.90	0.78	0.00	4.98	2492	22.6		334			
09/26/89	12:56	midpoint									24.3					
09/26/89	13:51		1.20	1.00	0.00	1.80	0.74	0.00	4.74	2372	25.2		754			
09/26/89	15:05	SWL-MW-02-01									26.5	60				

000008

MUNICIPAL WATER (MW) -- LOW SOIL TEST

DATE	TIME	SAMPLE ID	ROTOMETER READINGS #1	#2	#3	#4	#5	#6	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	TOTAL MW FLOW (gal)	MW FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	MW FLOW DURING COMPOSITE PERIOD (liters)
09/26/89	15:53		1.10	1.00	0.72	1.60	0.70	0.00	5.12	2562	27.3		625			
09/26/89	17:04		1.20	1.05	0.60	1.60	0.72	0.00	5.17	2587	28.4		615			
09/26/89	18:30	SWL-MW-02-01									29.9	40				
09/26/89	18:43		1.20	1.05	0.60	1.60	0.75	0.00	5.20	2602	30.1		515			
09/26/89	20:48		1.35	1.10	0.75	0.00	0.75	0.00	3.95	1977	32.2		545			
09/26/89	22:49	SWL-MW-02-01									34.2	49		3978		15056
09/26/89	23:18		1.15	1.05	0.85	2.00	0.70	0.00	5.75	2877	34.7		863			
09/27/89	00:27		1.20	1.08	0.00	1.20	0.78	0.00	4.26	2132	35.8		417			
09/27/89	00:53	midpoint									36.3					
09/27/89	02:31		1.20	1.08	0.55	1.60	0.75	0.00	5.18	2592	37.9		642			
09/27/89	02:58	SWL-MW-02-02									38.3	48				
09/27/89	04:20		1.20	1.05	0.55	1.30	0.79	0.00	4.89	2447	39.7		533			
09/27/89	06:40	SWL-MW-02-02									42.0	36				
09/27/89	07:01		1.25	1.08	0.00	2.00	0.57	0.00	4.90	2452	42.4		789			
09/27/89	11:05	SWL-MW-02-02									46.5	40		3691		13972
09/27/89	11:29		1.20	1.16	0.66	0.00	0.58	0.00	3.60	1801	46.9		965			
09/27/89	12:30		1.20	1.15	0.58	0.00	0.58	0.00	3.51	1756	47.9		298			
09/27/89	15:07					END OF TEST					50.5					
09/27/89	15:29		1.15	0.95	1.18	0.00	0.55	0.00	3.83	1917	50.9		686			
													16388	16304	16304	61711

Two Sig. Figs. 62000

600009

MUNICIPAL WATER (MW) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	SAMPLE ID	ROTOMETER READINGS #1	#2	#3	#4	#5	#6	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	TOTAL MW FLOW (gal)	MW FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	MW FLOW DURING COMPOSITE PERIOD (liters)
09/25/89	12:37					TIME ZERO										
09/25/89	15:24	SWL-MW-01-01									0					
09/25/89	15:28		1.20	1.00	1.00	2.70	0.70	0.00	6.60	3303	2.8	70				
09/25/89	17:01		1.20	1.15	0.40	2.20	0.75	0.00	5.70	2852	2.8		1129			
09/25/89	19:05	SWL-MW-01-01									4.4		553			
09/25/89	19:24		1.20	1.01	0.80	2.20	0.75	0.00	5.96	2982	6.5	40				
09/25/89	21:25		1.20	1.05	0.75	2.50	0.75	0.00	6.25	3128	6.8		852			
09/25/89	23:00	SWL-MW-01-01									8.8					
09/25/89	23:05		1.25	1.15	0.00	2.60	0.75	0.00	5.75	2877	10.4	36		3704		14019
09/25/89	00:56	midpoint									10.5		575			
09/26/89	01:14		1.25	1.08	0.00	2.25	0.78	0.00	5.36	2682	12.3					
09/26/89	02:01		1.25	1.10	0.00	2.25	0.80	0.00	5.40	2702	12.6		691			
09/26/89	02:52	SWL-MW-01-02									13.4		351			
09/26/89	03:10		1.28	1.10	0.00	2.17	0.80	0.00	5.35	2677	14.3	34				
09/26/89	04:00		1.29	1.10	0.00	2.10	0.80	0.00	5.29	2647	14.5		369			
09/26/89	05:13		1.28	1.10	0.00	2.22	0.78	0.00	5.38	2692	15.4		360			
09/26/89	06:04		1.25	1.09	0.00	2.22	0.78	0.00	5.34	2672	16.6		662			
09/26/89	06:43	SWL-MW-01-02									17.4		662			
09/26/89	07:06		1.27	1.08	0.00	2.00	0.78	0.00	5.13	2567	18.1	33				
09/26/89	08:00		1.21	1.08	0.00	2.00	0.79	0.00	5.08	2542	18.5		318			
09/26/89	10:05		1.20	1.05	0.00	2.00	0.75	0.00	5.00	2502	19.4		391			
09/26/89	10:47	SWL-MW-01-02									21.5		895			
09/26/89	11:12		1.20	1.10	0.00	1.90	0.78	0.00	4.98	2492	22.2			4931		18664
09/26/89	12:56	midpoint									22.6		334			
09/26/89	13:51		1.20	1.00	0.00	1.80	0.74	0.00	4.74	2372	24.3					
09/26/89	15:05	SWL-MW-02-01									25.2		754			
											26.5	60				

000010

MUNICIPAL WATER (MW) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	SAMPLE ID	ROTOMETER READINGS #1	#2	#3	#4	#5	#6	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	TOTAL MW FLOW (gal)	MW FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	MW FLOW DURING COMPOSITE PERIOD (liters)
09/26/89	15:53		1.10	1.00	0.72	1.60	0.70	0.00	5.12	2562	27.3		625			
09/26/89	17:04		1.20	1.05	0.60	1.60	0.72	0.00	5.17	2587	28.4		615			
09/26/89	18:30	SWL-MW-02-01									29.9	40				
09/26/89	18:43		1.20	1.05	0.60	1.60	0.75	0.00	5.20	2602	30.1		515			
09/26/89	20:48		1.35	1.10	0.75	0.00	0.75	0.00	3.95	1977	32.2		545			
09/26/89	22:49	SWL-MW-02-01									34.2	49		3978		15056
09/26/89	23:18		1.15	1.05	0.85	2.00	0.70	0.00	5.75	2877	34.7		863			
09/27/89	00:27		1.20	1.08	0.00	1.20	0.78	0.00	4.26	2132	35.8		417			
09/27/89	00:53	midpoint									36.3					
09/27/89	02:31		1.20	1.08	0.55	1.60	0.75	0.00	5.18	2592	37.9		642			
09/27/89	02:58	SWL-MW-02-02									38.3	48				
09/27/89	04:20		1.20	1.05	0.55	1.30	0.79	0.00	4.89	2447	39.7		533			
09/27/89	06:40	SWL-MW-02-02									42.0	36				
09/27/89	07:01		1.25	1.08	0.00	2.00	0.57	0.00	4.90	2452	42.4		789			
09/27/89	11:05	SWL-MW-02-02									46.5	40		3691		13972
09/27/89	11:29		1.20	1.16	0.66	0.00	0.58	0.00	3.60	1801	46.9		965			
09/27/89	12:30		1.20	1.15	0.58	0.00	0.58	0.00	3.51	1756	47.9		298			
09/27/89	15:07					END OF TEST					50.5					
09/27/89	15:29		1.15	0.95	1.18	0.00	0.55	0.00	3.83	1917	50.9		686			
													16388	16304	16304	61711

Two Sig. Figs. 62000

000011

FEED SOIL (FS) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	SAMPLE ID	FS TOTAL (lbs)	RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FS FLOW DURING COMPOSITE PERIOD (kg)
09/25/89	12:37		TIME ZERO		0				
09/25/89	15:05	SWL-FS-01-01			2.5	70			
09/25/89	15:28		535		2.8				
09/25/89	16:37	SWL-FS-01-01			4.0	60			
09/25/89	17:00		1563	670	4.4				
09/25/89	18:31	SWL-FS-01-01			5.9		4566		2071
09/25/89	19:22		2943	583	6.8				
09/25/89	19:47	midpoint			7.2				
09/25/89	21:04	SWL-FS-01-02			8.4	36			
09/25/89	21:24		4128	583	8.8				
09/25/89	22:50	SWL-FS-01-02			10.2	36			
09/25/89	23:03		5103	591	10.4				
09/26/89	00:37	SWL-FS-01-02			12.0	35	3320		1506
09/26/89	01:12		6269	542	12.6				
09/26/89	01:33	midpoint			12.9				
09/26/89	02:00		6808	674	13.4				
09/26/89	02:30	SWL-FS-01-03			13.9	34			
09/26/89	03:10		7481	577	14.5				
09/26/89	04:00		7947	559	15.4				
09/26/89	04:34	SWL-FS-01-03			15.9	33			
09/26/89	05:13		8682	604	16.6				
09/26/89	06:04		9166	569	17.4				
09/26/89	06:25	SWL-FS-01-03			17.8	33	3660		1660
09/26/89	07:06		9814	627	18.5				
09/26/89	07:42	midpoint			19.1				
09/26/89	08:00		10341	586	19.4				

FEED SOIL (FS) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	SAMPLE ID	FS TOTAL (lbs)	RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FS FLOW DURING COMPOSITE PERIOD (kg)
09/26/89	09:00	SWL-FS-01-04			20.4	50			
09/26/89	10:03		11560	595	21.4				
09/26/89	10:27	SWL-FS-01-04			21.8	50			
09/26/89	11:12		12224	577	22.6				
09/26/89	13:37	SWL-FS-01-04			25.0	62	3857		1750
09/26/89	13:50		13678	552	25.2				
09/26/89	14:25	midpoint			25.8				
09/26/89	15:14	SWL-FS-02-01			26.6	62			
09/26/89	15:52		14878	590	27.2				
09/26/89	16:32	SWL-FS-02-01			27.9	64			
09/26/89	17:03		15470	500	28.4				
09/26/89	18:15	SWL-FS-02-01			29.6	41	2874		1303
09/26/89	18:42		16315	512	30.1				
09/26/89	19:45	midpoint			31.1				
09/26/89	20:46		17459	554	32.2				
09/26/89	21:16	SWL-FS-02-02			32.6	50			
09/26/89	22:44	SWL-FS-02-02			34.1	49			
09/26/89	23:17		18687	488	34.7				
09/27/89	00:26		19174	423	35.8				
09/27/89	01:38	SWL-FS-02-02			37.0	46	2846		1291
09/27/89	02:11	midpoint			37.6				
09/27/89	02:30		19847	326	37.9				
09/27/89	02:45	SWL-FS-02-03			38.1	48			
09/27/89	04:20		20399	301	39.7				
09/27/89	04:32	SWL-FS-02-03			39.9	46			
09/27/89	06:43	SWL-FS-02-03			42.1	36	1930		875

000013

FEED SOIL (FS) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	SAMPLE ID	FS TOTAL (lbs)	RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FS FLOW DURING COMPOSITE PERIOD (kg)
09/27/89	07:00		21209	304	42.4				
09/27/89	08:42	midpoint			44.1				
09/27/89	10:31		22171	274	45.9				
09/27/89	10:42	SWL-FS-02-04			46.1	52			
09/27/89	11:23		22404	269	46.8				
09/27/89	12:03	SWL-FS-02-04			47.4	66			
09/27/89	12:30		22700	265	47.9				
09/27/89	15:00	SWL-FS-02-04			50.4	74	1660		753
09/27/89	15:07		END OF TEST		50.5				
09/27/89	15:28		23422	243	50.8				
							24713	24713	11210
							Two Sig. Figs.		11000

000014

FINE PARTICLE CAKE (FPC) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+FPC (lbs)	DRUM (lbs)	FPC (lbs)	ADJUSTED FPC (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FPC FLOW DURING COMPOSITE PERIOD (kg)
09/25/89	12:37			TIME ZERO										
09/25/89	14:51		SWL-FPC-01-01								0			
09/25/89	15:43	FPC-1	WEIGHT NOT RECORDED: DATA ESTIMATED				179.4	58	1000 ML	70	2.2			
09/25/89	16:50		SWL-FPC-01-01								3.1			
09/25/89	18:49		SWL-FPC-01-01						1000 ML	60	4.2			
09/25/89	20:02	midpoint							1000 ML	40	6.2	429		195
09/25/89	21:15		SWL-FPC-01-02								7.4			
09/25/89	22:40		SWL-FPC-01-02						1000 ML	36	8.6			
09/25/89	23:15	FPC-2 *		474.5	49.0	425.5	436.1	58	1000 ML	36	10.0			
09/26/89	00:49		SWL-FPC-01-02								10.6			
09/26/89	01:47	midpoint							1000 ML	35	12.2	474		215
09/26/89	02:44	FPC-3		441.0	49.5	391.5	394.1	113			13.2			
09/26/89	02:46		SWL-FPC-01-03								14.1			
09/26/89	04:49		SWL-FPC-01-03						1000 ML	34	14.2			
09/26/89	05:45	FPC-4		477.0	50.0	427.0	432.3	143	1000 ML	33	16.2			
09/26/89	06:38		SWL-FPC-01-03								17.1			
09/26/89	07:39	midpoint							1000 ML	33	18.0	842		382
09/26/89	08:32	FPC-5		491.0	49.5	441.5	444.1	160			19.0			
09/26/89	08:40		SWL-FPC-01-04								19.9			
09/26/89	10:30		SWL-FPC-01-04						1000 ML	55	20.1			
09/26/89	11:45	FPC-6		504.5	49.0	455.5	460.8	143	1000 ML	55	21.9			
09/26/89	13:23		SWL-FPC-01-04								23.1			
09/26/89	14:21	midpoint							1000 ML	60	24.8	962		436
09/26/89	15:19		SWL-FPC-02-01								25.7			
09/26/89	15:23	FPC-7		547.0	49.5	497.5	502.8	138	1000 ML	62	26.7			
09/26/89	16:48		SWL-FPC-02-01								26.8			
09/26/89	18:18		SWL-FPC-02-01						1000 ML	64	28.2			
									1000 ML	40	29.7	706		320

FINE PARTICLE CAKE (FPC) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+FPC (lbs)	DRUM (lbs)	FPC (lbs)	ADJUSTED FPC (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FPC FLOW DURING COMPOSITE PERIOD (kg)
09/26/89	19:03	FPC-8		492.0	49.5	442.5	447.8	122			30.4			
09/26/89	19:52	midpoint									31.3			
09/26/89	21:27		SWL-FPC-02-02						1000 ML	50	32.8			
09/26/89	22:25	FPC-9		516.0	49.5	466.5	469.1	139			33.8			
09/26/89	22:48		SWL-FPC-02-02						1000 ML	49	34.2			
09/27/89	01:25		SWL-FPC-02-02						1000 ML	48	36.8	723		328
09/27/89	02:08	midpoint									37.5			
09/27/89	02:51		SWL-FPC-02-03						1000 ML	48	38.2			
09/27/89	03:23	FPC-10		534.0	49.5	484.5	492.4	99			38.8			
09/27/89	04:45		SWL-FPC-02-03						1000 ML	46	40.1			
09/27/89	06:37		SWL-FPC-02-03						1000 ML	36	42.0	611		277
09/27/89	08:45	midpoint									44.1			
09/27/89	08:47	FPC-11		534.0	49.5	484.5	489.8	91			44.2			
09/27/89	10:53		SWL-FPC-02-04						1000 ML	52	46.3			
09/27/89	12:16		SWL-FPC-02-04						1000 ML	66	47.6			
09/27/89	14:37	FPC-12		490.5	49.5	441.0	446.3	77			50.0			
09/27/89	14:56		SWL-FPC-02-04						1000 ML	74	50.3	488		221
09/27/89	15:07		END OF TEST								50.5			
						4958	5195					5233	5233	2374
												Two Sig. Figs.		2400

* Start-of-collection time is an estimate.

000016

FINE OVERSIZE (FO) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)
09/25/89	12:37					0	
09/25/89	14:44		SWL-FO-01-01		70	2.1	
09/25/89	16:45		SWL-FO-01-01		60	4.1	
09/25/89	18:44		SWL-FO-01-01		40	6.1	89
09/25/89	19:00	FO-X	WEIGHT NOT R	27		6.4	
09/25/89	19:55	midpoint				7.3	
09/25/89	21:07		SWL-FO-01-02		36	8.5	
09/25/89	22:45		SWL-FO-01-02		36	10.1	
09/26/89	00:39		SWL-FO-01-02		35	12.0	68
09/26/89	01:37	midpoint				13.0	
09/26/89	02:35		SWL-FO-01-03		34	14.0	
09/26/89	04:40		SWL-FO-01-03		33	16.0	
09/26/89	06:28		SWL-FO-01-03		34	17.8	72
09/26/89	07:36	midpoint				19.0	
09/26/89	08:45		SWL-FO-01-04		55	20.1	
09/26/89	10:25	FO-1		27		21.8	
09/26/89	10:37		SWL-FO-01-04		55	22.0	
09/26/89	13:15		SWL-FO-01-04		60	24.6	87
09/26/89	14:21	midpoint				25.7	
09/26/89	15:28		SWL-FO-02-01		62	26.8	
09/26/89	16:43		SWL-FO-02-01		64	28.1	
09/26/89	18:01		SWL-FO-02-01		40	29.4	72
09/26/89	19:40	midpoint				31.1	
09/26/89	21:20		SWL-FO-02-02		50	32.7	
09/26/89	22:37		SWL-FO-02-02		49	34.0	
09/27/89	00:29	FO-2		30		35.9	

000017

FINE OVERSIZE (FO) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)
09/27/89	01:20		SWL-FO-02-02		48	36.7	87
09/27/89	02:04	midpoint				37.5	
09/27/89	02:49		SWL-FO-02-03		48	38.2	
09/27/89	04:36		SWL-FO-02-03		46	40.0	
09/27/89	06:24		SWL-FO-02-03		36	41.8	92
09/27/89	08:51	midpoint				44.2	
09/27/89	11:19		SWL-FO-02-04		52	46.7	
09/27/89	12:25		SWL-FO-02-04		66	47.8	
09/27/89	15:07		SWL-FO-02-04		74	50.5	85
09/27/89	15:07	FO-?	WEIGHT NOT R	30		50.5	
09/27/89	15:07		END OF TEST			50.5	
							653
					Two Sig. Figs.		650

000018

CATIONIC POLYMER (FLOC) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	ROTAMETER #7 (gph)	FLOC DENSITY (lbs/gal)	TOTAL RATE (lbs/hr)	HOURS FROM TIME ZERO	ESTIMATED FLOC FLOW (lbs)	FLOC FLOW DURING TEST (lbs)	FLOC FLOW DURING TEST (gal)	FLOC FLOW DURING TEST (liters)
09/25/89	12:37		TIME ZERO		0				
09/25/89	15:28	38.00	8.34	317	2.8	903			410
09/25/89	17:01	39.00	8.34	325	4.4	504			229
09/25/89	19:24	44.00	8.34	367	6.8	875			397
09/25/89	21:25	44.00	8.34	367	8.8	740			336
09/25/89	23:05	44.00	8.34	367	10.5	612			277
09/26/89	01:14	42.00	8.34	350	12.6	753			342
09/26/89	02:01	44.00	8.34	367	13.4	287			130
09/26/89	03:10	42.00	8.34	350	14.5	403			183
09/26/89	04:00	42.00	8.34	350	15.4	292			132
09/26/89	05:13	42.00	8.34	350	16.6	426			193
09/26/89	06:04	40.00	8.34	334	17.4	284			129
09/26/89	07:06	42.00	8.34	350	18.5	362			164
09/26/89	08:00	42.00	8.34	350	19.4	315			143
09/26/89	10:05	44.00	8.34	367	21.5	764			347
09/26/89	11:12	44.00	8.34	367	22.6	410			186
09/26/89	13:51	45.00	8.34	375	25.2	995			451
09/26/89	15:53	40.00	8.34	334	27.3	678			308
09/26/89	17:04	45.00	8.34	375	28.4	444			201
09/26/89	18:43	37.00	8.34	309	30.1	509			231
09/26/89	20:48	36.00	8.34	300	32.2	625			284
09/26/89	23:18	44.00	8.34	367	34.7	917			416
09/27/89	00:27	48.00	8.34	400	35.8	460			209
09/27/89	02:31	46.00	8.34	384	37.9	793			360
09/27/89	04:20	45.00	8.34	375	39.7	682			309
09/27/89	07:01	44.00	8.34	367	42.4	985			447
09/27/89	11:29	40.00	8.34	334	46.9	1490			676

000019

CATIONIC POLYMER (FLOC) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	ROTAMETER #7 (gph)	FLOC DENSITY (lbs/gal)	TOTAL RATE (lbs/hr)	HOURS FROM TIME ZERO	ESTIMATED FLOC FLOW (lbs)	FLOC FLOW DURING TEST (lbs)	FLOC FLOW DURING TEST (gal)	FLOC FLOW DURING TEST (liters)
09/27/89	12:30	45.00	8.34	375	47.9	382			173
09/27/89	15:07		END OF TEST		50.5	982			445
09/27/89	15:29	45.00	8.34	375	50.9				
									8107
							Two Sig. Figs.		8100

000020

COARSE OVERSIZE (CO) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+CO (lbs)	DRUM (lbs)	CO (lbs)	ADJUSTED CO (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	CO FLOW DURING COMPOSITE PERIOD (kg)
09/25/89	12:37					TIME ZERO					0			
09/25/89	12:40										0.0			
09/25/89	15:12		SWL-CO-01-01						1000 ML	70	2.6			
09/25/89	16:49		SWL-CO-01-01						1000 ML	60	4.2			
09/25/89	18:15	CO-1		554.0	49.0	505.0	509.5	91			5.6			
09/25/89	19:00		SWL-CO-01-01						1000 ML	32	6.4	635		288
09/25/89	19:57	midpoint									7.3			
09/25/89	20:55		SWL-CO-01-02						1000 ML	32	8.3			
09/25/89	22:55		SWL-CO-01-02						1000 ML	32	10.3			
09/26/89	00:12	CO-1		462.0	49.0	413.0	419.8	71			11.6			
09/26/89	00:53		SWL-CO-01-02						1000 ML	32	12.3	423		192
09/26/89	01:51	midpoint									13.2			
09/26/89	02:50		SWL-CO-01-03						1000 ML	32	14.2			
09/26/89	04:54		SWL-CO-01-03						1000 ML	32	16.3			
09/26/89	06:40		SWL-CO-01-03						1000 ML	32	18.0	455		206
09/26/89	06:46	CO-2		528.0	49.0	479.0	488.1	74			18.1			
09/26/89	07:53	midpoint									19.3			
09/26/89	09:07		SWL-CO-01-04						1000 ML	55	20.5			
09/26/89	10:20		SWL-CO-01-04						1000 ML	55	21.7			
09/26/89	13:03	CO-3		546.5	49.5	497.0	501.5	80			24.4			
09/26/89	13:42		SWL-CO-01-04						1000 ML	60	25.1	518		235
09/26/89	14:26	midpoint									25.8			
09/26/89	15:10		SWL-CO-02-01						1000 ML	62	26.5			
09/26/89	16:57		SWL-CO-02-01						1000 ML	64	28.3			
09/26/89	18:26		SWL-CO-02-01						1000 ML	32	29.8	421		191
09/26/89	19:40	CO-4		548.0	49.5	498.5	507.6	77			31.0			
09/26/89	20:00	midpoint									31.4			

000021

COARSE OVERSIZE (CO) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+CO (lbs)	DRUM (lbs)	CO (lbs)	ADJUSTED CO (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	CO FLOW DURING COMPOSITE PERIOD (kg)
09/26/89	21:34		SWL-CO-02-02						1000 ML	50	32.9			
09/26/89	22:50		SWL-CO-02-02						1000 ML	49	34.2			
09/27/89	01:32		SWL-CO-02-02						1000 ML	32	36.9	364		165
09/27/89	02:15	midpoint									37.6			
09/27/89	02:58		SWL-CO-02-03						1000 ML	48	38.3			
09/27/89	04:49		SWL-CO-02-03						1000 ML	46	40.2			
09/27/89	05:16	CO-5		597.0	49.5	547.5	558.8	58			40.6			
09/27/89	06:39		SWL-CO-02-03						1000 ML	32	42.0	358		163
09/27/89	08:42	midpoint									44.1			
09/27/89	10:45		SWL-CO-02-04						1000 ML	52	46.1			
09/27/89	12:07		SWL-CO-02-04						1000 ML	66	47.5			
09/27/89	14:44		SWL-CO-02-04						1000 ML	74	50.1	342		155
09/27/89	15:07										50.5			
09/27/89	15:55	CO-6		607.5	49.5	558.0	567.1	53			51.3			
						3498	3552					3514	3514	1594
											Two Sig. Figs.			1600

000022

COMBINED DEWATERING EFFLUENT (CDE) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	TANK NO.	TANK HEIGHT (ft)	ADJUSTED HEIGHT (ft)	TANK VOLUME (gal)	----CDE RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	CDE FLOW DURING COMPOSITE PERIOD (liters)
09/25/89	12:37			TIME ZERO				0				
09/25/89	15:18	SWL-CDE-01-01						2.7	70			
09/25/89	15:25	#2	1.823	1.792	1321			2.8				
09/25/89	16:45	SWL-CDE-01-01						4.1	60			
09/25/89	17:08	#2	2.375	2.344	1928	5.89	2947	4.5				
09/25/89	18:55	SWL-CDE-01-01						6.3	40	2616		9901
09/25/89	19:10	#2	3.031	3.000	2704	6.37	3186	6.6				
09/25/89	20:04	midpoint						7.4				
09/25/89	21:13	SWL-CDE-01-02						8.6	36			
09/25/89	21:30	#2	3.542	3.510	3334	4.50	2251	8.9				
09/25/89	22:53	SWL-CDE-01-02						10.3	36			
09/25/89	23:03	#2	4.000	3.969	3909	6.18	3091	10.4				
09/26/89	00:55	SWL-CDE-01-02						12.3	35	1847		6991
09/26/89	01:10	#2	4.521	4.490	4562	5.14	2573	12.6				
09/26/89	01:55	midpoint						13.3				
09/26/89	02:05	#2	4.750	4.719	4846	5.18	2590	13.5				
09/26/89	02:55	SWL-CDE-01-03						14.3	34			
09/26/89	03:14	#2	5.042	5.010	5204	5.19	2595	14.6				
09/26/89	04:04	#2	5.240	5.208	5443	4.78	2391	15.5				
09/26/89	04:51	SWL-CDE-01-03						16.2	33			
09/26/89	05:17	#2	5.573	5.542	5836	5.39	2695	16.7				
09/26/89	06:07	#2	5.792	5.760	6086	5.01	2505	17.5				
09/26/89	06:36	SWL-CDE-01-03						18.0	33	1763		6673
09/26/89	07:39	midpoint						19.0				
09/26/89	08:02	#2	6.333	6.302	6672	5.09	2548	19.4				
09/26/89	08:43	SWL-CDE-01-04						20.1				
09/26/89	10:30	#2	7.000	6.969	7300	4.24	2123	21.9			7126	

000023

COMBINED DEWATERING EFFLUENT (CDE) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	TANK NO.	TANK HEIGHT (ft)	ADJUSTED HEIGHT (ft)	TANK VOLUME (gal)	----CDE RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	CDE FLOW DURING COMPOSITE PERIOD (liters)
09/26/89	10:33	SWL-CDE-01-04						21.9	55			
09/26/89	11:07	#1	0.500	0.479	193			22.5				
09/26/89	13:23	SWL-CDE-01-04						24.8	61	1859		7037
09/26/89	13:49	#1	1.458	1.437	964	4.76	2382	25.2				
09/26/89	14:27	midpoint						25.8				
09/26/89	15:32	SWL-CDE-02-01						26.9	62			
09/26/89	15:52	#1	2.042	2.021	1566	4.90	2450	27.2				
09/26/89	16:52	SWL-CDE-02-01						28.2	64			
09/26/89	17:05	#1	2.375	2.354	1939	5.11	2559	28.5				
09/26/89	18:10	SWL-CDE-02-01						29.5	40	1593		6029
09/26/89	18:42	#1	2.781	2.760	2415	4.91	2455	30.1				
09/26/89	19:50	midpoint						31.2				
09/26/89	20:51	#1	3.292	3.271	3037	4.82	2410	32.2				
09/26/89	21:31	SWL-CDE-02-02						32.9	50			
09/26/89	22:46	SWL-CDE-02-02						34.1	49			
09/26/89	23:21	#1	3.854	3.833	3738	4.68	2341	34.7				
09/27/89	00:35	#1	4.115	4.094	4066	4.42	2213	36.0				
09/27/89	01:35	SWL-CDE-02-02						37.0	46	1792		6784
09/27/89	02:20	midpoint						37.7				
09/27/89	02:34	#1	4.542	4.521	4600	4.49	2249	38.0				
09/27/89	03:05	SWL-CDE-02-03						38.5	48			
09/27/89	04:25	#1	4.990	4.969	5153	4.98	2492	39.8				
09/27/89	04:47	SWL-CDE-02-03						40.2	46			
09/27/89	06:35	SWL-CDE-02-03						42.0	36	1844		6978
09/27/89	07:04	#1	5.594	5.573	5872	4.52	2263	42.5				
09/27/89	08:49	midpoint						44.2				
09/27/89	10:30	#1	6.521	6.500	6871	4.85	2426	45.9				

COMBINED DEWATERING EFFLUENT (CDE) -- LOW SOIL TEST

Field Measurements -- Final Data

DATE	TIME	TANK NO.	TANK HEIGHT (ft)	ADJUSTED HEIGHT (ft)	TANK VOLUME (gal)	----CDE RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	CDE FLOW DURING COMPOSITE PERIOD (liters)
09/27/89	11:03	SWL-CDE-02-04						46.4	52			
09/27/89	11:22	#1	6.781	6.760	7117	4.74	2371	46.7				
09/27/89	12:10	SWL-CDE-02-04						47.5	66			
09/27/89	12:29	#1	7.146	7.125	7427	4.62	2314	47.9				
09/27/89	12:52	#1	7.281	7.260	7530	4.46	2229	48.2			7337	
09/27/89	12:52	#2	3.573	3.542	3373			48.2				
09/27/89	14:51	SWL-CDE-02-04						50.2	74	1706	558	6457
09/27/89	15:07			END OF TEST				50.5				
09/27/89	15:27	#2	4.083	4.052	4013	4.13	2067	50.8				
										15020	15020	56850
									Two Sig. Figs.			57000

000025

WASHED SOIL (WS) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+WS (lbs)	DRUM (lbs)	WS (lbs)	ADJUSTED WS (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FS FLOW DURING COMPOSITE PERIOD (kg)
09/29/89	23:38			BEGAN FILLING WS-X							-0.2			
09/29/89	23:48			TIME ZERO							0			
09/30/89	00:49	WS-X		797.0	62.0	735.0	735.0	621			1.0			
09/30/89	01:50		SWH-WS-01-01						1000 ML	55	2.0			
09/30/89	02:26	WS-12		779.0	49.5	729.5	733.6	454			2.6			
09/30/89	03:40		SWH-WS-01-01						1000 ML	54	3.9			
09/30/89	04:05	WS-X		803.0	57.5	745.5	749.6	454			4.3			
09/30/89	05:12		SWH-WS-01-01						1000 ML	52	5.4	3071		1393
09/30/89	05:41	WS-12		803.5	53.5	750.0	754.1	471			5.9			
09/30/89	06:08	midpoint									6.3			
09/30/89	07:04		SWH-WS-01-02						1000 ML	53	7.3			
09/30/89	07:28	WS-X		854.5	55.5	799.0	803.1	450			7.7			
09/30/89	09:20	WS-12		827.5	59.0	768.5	768.5	412			9.5			
09/30/89	10:23		SWH-WS-01-02						1000 ML	70	10.6			
09/30/89	11:31	WS-X		864.0	54.0	810.0	814.1	373			11.7			
09/30/89	11:51		SWH-WS-01-02						1000 ML	78	12.1	2621		1189
09/30/89	12:30	Irregular performance begins									12.7		5693	
09/30/89	13:21	WS-12		874.0	61.0	813.0	817.1	446			13.6			
09/30/89	15:00	WS-X		877.5	70.5	807.0	807.0	489			15.2			
09/30/89	18:30	Irregular performance ends									18.7			
09/30/89	18:50	WS-13		803.5	49.5	754.0	754.0	197			19.0			
09/30/89	19:12	WS-14		224.0	49.5	174.5	174.5	476			19.4			
09/30/89	19:45		SWH-WS-01-04						1000 ML	44	20.0			
09/30/89	20:45	WS-13		783.5	55.5	728.0	732.1	472			21.0			
09/30/89	22:16		SWH-WS-01-04						1000 ML	43	22.5			
09/30/89	22:25	WS-15		783.5	49.5	734.0	738.1	443			22.6			
09/30/89	23:52	WS-16		810.0	52.0	758.0	758.0	523			24.1			

000026

WASHED SOIL (WS) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+WS (lbs)	DRUM (lbs)	WS (lbs)	ADJUSTED WS (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FS FLOW DURING COMPOSITE PERIOD (kg)
10/01/89	00:25		SWH-WS-01-04						1000 ML	64	24.6	3151		1429
10/01/89	01:18	midpoint									25.5			
10/01/89	01:30	WS-15		829	60	769.0	773.1	473			25.7			
10/01/89	02:12		SWH-WS-02-01						1000 ML	63	26.4			
10/01/89	03:11	WS-16		827.5	57	770.5	774.6	460			27.4			
10/01/89	03:40		SWH-WS-02-01						1000 ML	61	27.9			
10/01/89	04:52	WS-15		838	54.5	783.5	787.6	468			29.1			
10/01/89	05:46		SWH-WS-02-01						1000 ML	61	30.0	2487		1128
10/01/89	06:42	WS-16		808	55	753.0	757.1	413			30.9			
10/01/89	06:53	midpoint									31.1			
10/01/89	08:00		SWH-WS-02-02						1000 ML	61	32.2			
10/01/89	08:39	WS-15		865.5	53.5	812.0	816.1	419			32.9			
10/01/89	09:47		SWH-WS-02-02						1000 ML	70	34.0			
10/01/89	10:21	WS-16		850.5	55	795.5	799.6	340			34.6			
10/01/89	11:53		SWH-WS-02-02						1000 ML	79	36.1	2675		1213
10/01/89	12:15	WS-15		881	53.5	827.5	831.6	438			36.5			
10/01/89	12:56	midpoint									37.1			
10/01/89	13:59		SWH-WS-02-03						1000 ML	85	38.2			
10/01/89	14:10	WS-16		904.5	55.5	849.0	853.1	445			38.4			
10/01/89	15:58	WS-15		836	57.5	778.5	778.5	433			40.2			
10/01/89	16:04		SWH-WS-02-03						1000 ML	90	40.3			
10/01/89	17:36		SWH-WS-02-03						1000 ML	82	41.8	2070		939
10/01/89	18:43	midpoint									42.9			
10/01/89	18:50	WS-16		819.5	54	765.5	773.7	270			43.0			
10/01/89	19:50		SWH-WS-02-04						1000 ML	60	44.0			
10/01/89	21:45	WS-15		767.5	60.5	707.0	711.1	371			46.0			
10/01/89	22:20		SWH-WS-02-04						1000 ML	54	46.5			

000027

WASHED SOIL (WS) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+WS (lbs)	DRUM (lbs)	WS (lbs)	ADJUSTED WS (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FS FLOW DURING COMPOSITE PERIOD (kg)
10/01/89	23:30		SWH-WS-02-04						1000 ML	50	47.7	1477		670
10/01/89	23:40			SBR FEEDING BEGINS							47.9		11859	
10/01/89	23:45	WS-16		816	57.5	758.5	766.7	383			48.0			
10/03/89	08:00			HIGH SOIL TEST RESUMES							80.2			
10/03/89	08:39										80.9			
10/03/89	10:05		SWH-WS-04-01						1000 ML	37	82.3			
10/03/89	10:20	WS-18		889.0	49.5	839.5	843.6	501			82.5			
10/03/89	12:00		SWH-WS-04-01						1000 ML	55	84.2			
10/03/89	12:00	WS-14		890.5	53.5	837.0	841.1	505			84.2			
10/03/89	13:42	WS-18		877.5	52.5	825.0	825.0	485			85.9			
10/03/89	14:29		SWH-WS-04-01						1000 ML	46	86.7	3741		1697
10/03/89	15:12	WS-14		891.0	78.5	812.5	816.6	544			87.4			
10/03/89	15:23	midpoint									87.6			
10/03/89	16:17		SWH-WS-04-02						1000 ML	50	88.5			
10/03/89	16:44	WS-18		795.0	56.5	738.5	742.6	484			88.9			
10/03/89	17:40		SWH-WS-04-02						1000 ML	48	89.9			
10/03/89	18:16	WS-19		860.0	49.0	811.0	815.1	532			90.5			
10/03/89	19:53	WS-18		858.5	55.5	803.0	803.0	497			92.1			
10/03/89	19:55		SWH-WS-04-02						1000 ML	43	92.1	2979		1351
10/03/89	21:05	WS-19		756.0	53.5	702.5	706.6	589			93.3			
10/03/89	21:05	midpoint									93.3			
10/03/89	22:15		SWH-WS-04-03						1000 ML	37	94.5			
10/03/89	22:30	WS-18		777.5	54.0	723.5	727.6	514			94.7			
10/03/89	23:05		SWH-WS-04-03						1000 ML	39	95.3			
10/04/89	00:00	WS-19		821.0	54.0	767.0	771.1	514			96.2			
10/04/89	01:20	WS-18		822.0	55.0	767.0	767.0	575			97.5			
10/04/89	01:40		SWH-WS-04-03						1000 ML	34	97.9	3010		1365

000028

WASHED SOIL (WS) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+WS (lbs)	DRUM (lbs)	WS (lbs)	ADJUSTED WS (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FS FLOW DURING COMPOSITE PERIOD (kg)
10/04/89	02:46	midpoint									99.0			
10/04/89	02:50	WS-20		819.5	49.5	770.0	774.1	516			99.0			
10/04/89	03:53		SWH-WS-04-04						1000 ML	28	100.1			
10/04/89	04:25	WS-18		866.0	54.0	812.0	816.1	515			100.6			
10/04/89	05:55		SWH-WS-04-04						1000 ML	28	102.1			
10/04/89	06:05	WS-20		857.0	55.0	802.0	806.1	484			102.3			
10/04/89	07:32	WS-18		788	55	733.0	733.0	506			103.7			
10/04/89	07:44		SWH-WS-04-04						1000 ML	30	103.9	3106		1409
10/04/89	08:55	midpoint									105.1			
10/04/89	09:15	WS-20		940.5	56.0	884.5	888.6	518			105.5			
10/04/89	10:07		SWH-WS-05-01						1000 ML	46	106.3			
10/04/89	10:42	WS-18		875	55	820.0	824.1	568			106.9			
10/04/89	12:10		SWH-WS-05-01						1000 ML	63	108.4			
10/04/89	12:12	WS-20		908.5	54	854.5	858.6	572			108.4			
10/04/89	13:35	WS-18		867	55.5	811.5	811.5	587			109.8			
10/04/89	13:39		SWH-WS-05-01						1000 ML	59	109.9	3788		1718
10/04/89	14:52	WS-20		888.5	57.5	831.0	835.1	651			111.1			
10/04/89	15:49	midpoint									112.0			
10/04/89	16:48	WS-21		641	49.5	591.5	591.5	306			113.0			
10/04/89	17:59		SWH-WS-05-02						1000 ML	54	114.2			
10/04/89	18:28	WS-20		834	55.5	778.5	782.6	470			114.7			
10/04/89	19:45		SWH-WS-05-02						1000 ML	52	116.0			
10/04/89	20:05	WS-18		873.5	60	813.5	817.6	506			116.3			
10/04/89	21:26		SWH-WS-05-02						1000 ML	50	117.6	2888		1310
10/04/89	21:48	WS-20		833.5	54	779.5	783.6	456			118.0			
10/04/89	22:20	midpoint									118.5			
10/04/89	23:36		SWH-WS-05-03						1000 ML	48	119.8			

000029

WASHED SOIL (WS) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+WS (lbs)	DRUM (lbs)	WS (lbs)	ADJUSTED WS (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FS FLOW DURING COMPOSITE PERIOD (kg)
10/04/89	23:55	WS-18		860	58	802.0	806.1	381			120.1			
10/05/89	01:35		SWH-WS-05-03						1000 ML	46	121.8			
10/05/89	01:52	WS-20		859	57	802.0	806.1	413			122.1			
10/05/89	03:37	WS-21		827	55.5	771.5	771.5	441			123.8			
10/05/89	03:43		SWH-WS-05-03						1000 ML	40	123.9	2772		1257
10/05/89	04:56	midpoint									125.1			
10/05/89	05:23	WS-20		842.5	58.5	784.0	788.1	446			125.6			
10/05/89	06:10		SWH-WS-05-04						1000 ML	46	126.4			
10/05/89	07:02	WS-21		820	57.5	762.5	766.6	465			127.2			
10/05/89	07:34		SWH-WS-05-04						1000 ML	46	127.8			
10/05/89	08:58	WS-22		910.5	50.5	860.0	864.1	447			129.2			
10/05/89	10:15		SWH-WS-05-04						1000 ML	52	130.5	2757		1251
10/05/89	10:47	WS-21		862	62.5	799.5	803.6	442			131.0			
10/05/89	11:06	midpoint									131.3			
10/05/89	11:57		SWH-WS-06-01						1000 ML	66	132.2			
10/05/89	12:48	WS-22		850	53.5	796.5	800.6	397			133.0			
10/05/89	14:23		SWH-WS-06-01						1000 ML	64	134.6			
10/05/89	14:37	WS-23		912.5	49.5	863.0	867.1	477			134.8			
10/05/89	16:08		SWH-WS-06-01						1000 ML	55	136.3	2709		1229
10/05/89	16:17	WS-22		893.5	61.5	832.0	836.1	502			136.5			
10/05/89	16:59	midpoint									137.2			
10/05/89	17:50		SWH-WS-06-02						1000 ML	54	138.0			
10/05/89	17:55	WS-23		845	77	768.0	772.1	473			138.1			
10/05/89	19:21		SWH-WS-06-02						1000 ML	52	139.6			
10/05/89	19:35	WS-22		846.5	53.5	793.0	797.1	478			139.8			
10/05/89	21:22	WS-24		851.5	49.5	802.0	802.0	450			141.6			
10/05/89	22:05		SWH-WS-06-02						1000 ML	50	142.3	2705		1227

000030

WASHED SOIL (WS) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+WS (lbs)	DRUM (lbs)	WS (lbs)	ADJUSTED WS (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FS FLOW DURING COMPOSITE PERIOD (kg)
10/05/89	22:48	midpoint												
											143.0			
10/05/89	23:02	WS-22		824.5	55.5	769.0	773.1	464			143.2			
10/05/89	23:31		SWH-WS-06-03						1000 ML	48	143.7			
10/06/89	00:48	WS-25		832	49.5	782.5	786.6	445			145.0			
10/06/89	01:49		SWH-WS-06-03						1000 ML	46	146.0			
10/06/89	02:25	WS-22		862	55.5	806.5	810.6	501			146.6			
10/06/89	03:43		SWH-WS-06-03						1000 ML	43	147.9	2384		1081
10/06/89	03:44			END OF TEST							147.9		32837	
10/06/89	03:56	WS-25		842	65	777.0	781.1	515			148.1			
						51955	52176					50389	50389	22857
											Two Sig. Figs.			23000

000031

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME		--ROTOMETERS (gpm)------ #5	#6	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ESTIMATED MW FLOW (gal)	MW FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	MW FLOW DURING COMPOSITE PERIOD (liters)
09/29/89	23:48		TIME ZERO				0					
09/30/89	01:16		0.45	0.00	0.45	225	1.5		40			
09/30/89	02:12	SWH-MW-01-01					2.4	55				
09/30/89	03:28		0.56	0.00	0.56	280	3.7		43			
09/30/89	05:06		0.50	0.00	0.50	250	5.3		49			
09/30/89	05:30	SWH-MW-01-01					5.7	52				
09/30/89	06:56		0.52	0.00	0.52	260	7.1		45			
09/30/89	10:19	SWH-MW-01-01					10.5	68		257		974
09/30/89	11:08		0.35	0.00	0.35	175	11.3		17			
09/30/89	12:23		0.30	0.50	0.80	400	12.6		60			
09/30/89	12:30	irreg. perf. begins					12.7				257	
09/30/89	13:28		0.30	0.30	0.60	300	13.7		35			
09/30/89	15:10		0.30	0.00	0.30	150	15.4		31			
09/30/89	18:30	irreg. perf. ends					18.7					
09/30/89	20:02	SWH-MW-01-02					20.2	75				
09/30/89	20:40		0.50	0.00	0.50	250	20.9		19			
09/30/89	22:19	SWH-MW-01-02					22.5	70				
09/30/89	22:44		0.50	0.00	0.50	250	22.9		12			
10/01/89	00:03	SWH-MW-01-02					24.3	64		37		139
10/01/89	01:11		0.45	0.40	0.85	425	25.4		58			
10/01/89	02:05	midpoint					26.3					
10/01/89	02:39		0.55	0.32	0.87	435	26.9		29			
10/01/89	04:08	SWH-MW-02-01					28.3	61				
10/01/89	04:42		0.50	0.00	0.50	250	28.9		17			
10/01/89	07:08		0.51	0.00	0.51	255	31.3		74			
10/01/89	07:49	SWH-MW-02-01					32.0	61				
10/01/89	08:25		0.45	0.00	0.45	225	32.6		16			

000032

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME		--ROTOMETERS (gpm)------ #5	#6	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ESTIMATED MW FLOW (gal)	MW FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	MW FLOW DURING COMPOSITE PERIOD (liters)
10/01/89	10:06		0.43	0.35	0.78	390	34.3		79			
10/01/89	10:36	SWH-MW-02-01					34.8	78		286		1083
10/01/89	13:07	midpoint					37.3					
10/01/89	14:39		0.30	0.35	0.65	325	38.9		59			
10/01/89	15:21		0.30	0.35	0.65	325	39.6		27			
10/01/89	15:39	SWH-MW-02-02					39.8	90				
10/01/89	16:30		0.30	0.55	0.85	425	40.7		43			
10/01/89	20:06	SWH-MW-02-02					44.3	68				
10/01/89	20:26		0.00	0.00	0.00	0	44.6		0			
10/01/89	22:28		0.00	0.00	0.00	0	46.7		0			
10/01/89	23:38	SWH-MW-02-02					47.8	50		55		209
10/01/89	23:40		SBR FEEDING BEGINS				47.9				378	
10/02/89	00:24		0.00	0.60	0.60	300	48.6		26			
10/03/89	08:00		HIGH SOIL TEST RESUMES				80.2					
10/03/89	08:33		0.45	0.30	0.75	375	80.8		25			
10/03/89	10:29		0.40	0.30	0.70	350	82.7		81			
10/03/89	11:54	SWH-MW-04-01					84.1	55				
10/03/89	12:14		0.40	0.00	0.40	200	84.4		8			
10/03/89	14:48		0.30	0.42	0.72	360	87.0		111			
10/03/89	16:11	SWH-MW-04-01					88.4	50				
10/03/89	16:33		0.00	0.45	0.45	225	88.8		10			
10/03/89	18:08		0.30	0.45	0.75	375	90.3		71			
10/03/89	20:13	SWH-MW-04-01					92.4	43		306		1158
10/03/89	20:21		0.00	0.00	0.00	0	92.6		0			
10/03/89	21:37	midpoint					93.8					
10/03/89	21:55		0.00	0.00	0.00	0	94.1		0			
10/03/89	23:01	SWH-MW-04-02					95.2	39				

000033

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME		--ROTOMETERS (gpm)------ #5	#6	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ESTIMATED MW FLOW (gal)	MW FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	MW FLOW DURING COMPOSITE PERIOD (liters)
10/03/89	23:49		0.00	0.00	0.00	0	96.0		0			
10/04/89	01:29		0.00	0.00	0.00	0	97.7		0			
10/04/89	03:37		0.00	0.00	0.00	0	99.8		0			
10/04/89	03:50	SWH-MW-04-02					100.0	28				
10/04/89	05:34		0.00	0.00	0.00	0	101.8		0			
10/04/89	07:30		0.00	0.33	0.33	165	103.7		38			
10/04/89	07:40	SWH-MW-04-02					103.9	30		38		145
10/04/89	09:51	midpoint					106.1					
10/04/89	10:25		0.00	0.00	0.00	0	106.6		0			
10/04/89	12:03	SWH-MW-05-01					108.3	63				
10/04/89	12:21		0.30	0.30	0.60	300	108.6		11			
10/04/89	13:59		0.30	0.00	0.30	150	110.2		29			
10/04/89	17:35		0.00	0.00	0.00	0	113.8		0			
10/04/89	17:56	SWH-MW-05-01					114.1	54				
10/04/89	19:57		0.00	0.00	0.00	0	116.2		0			
10/04/89	21:32	SWH-MW-05-01					117.7	50		40		152
10/04/89	21:40		0.00	0.00	0.00	0	117.9		0			
10/04/89	23:31	midpoint					119.7					
10/04/89	23:45		0.00	0.00	0.00	0	120.0		0			
10/05/89	01:31	SWH-MW-05-02					121.7	46				
10/05/89	02:15		0.00	0.00	0.00	0	122.5		0			
10/05/89	04:30		0.00	0.00	0.00	0	124.7		0			
10/05/89	05:55		0.00	0.00	0.00	0	126.1		0			
10/05/89	06:12	SWH-MW-05-02					126.4	46				
10/05/89	10:03	SWH-MW-05-02					130.3	52		56		211
10/05/89	10:39		0.00	0.30	0.30	150	130.9		11			
10/05/89	11:36		0.30	0.30	0.60	300	131.8		34			

000034

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME		--ROTOMETERS (gpm)------ #5	#6	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ESTIMATED MW FLOW (gal)	MW FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	MW FLOW DURING COMPOSITE PERIOD (liters)
10/05/89	12:12	midpoint					132.4					
10/05/89	14:21	SWH-MW-06-01					134.6	64				
10/05/89	14:48		0.00	0.30	0.30	150	135.0		8			
10/05/89	16:34		0.00	0.30	0.30	150	136.8		32			
10/05/89	17:42	SWH-MW-06-01					137.9	57				
10/05/89	18:28		0.00	0.00	0.00	0	138.7		0			
10/05/89	19:45		0.00	0.00	0.00	0	140.0		0			
10/05/89	22:02	SWH-MW-06-01					142.2	50		29		110
10/05/89	23:12		0.00	0.00	0.00	0	143.4		0			
10/05/89	23:53	midpoint					144.1					
10/06/89	00:02		0.00	0.00	0.00	0	144.2		0			
10/06/89	01:28		0.00	0.00	0.00	0	145.7		0			
10/06/89	01:44	SWH-MW-06-02					145.9	46				
10/06/89	03:23		0.00	0.00	0.00	0	147.6		0			
10/06/89	03:44		END OF TEST				147.9					
10/06/89	03:44	SWH-MW-06-02					147.9	46		0	469	0
									1249	1105	1105	4182
										Two Sig. Figs.		4200

000035

FEED SOIL (FS) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	SAMPLE ID	FEED TOTAL (lbs)	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FS FLOW DURING COMPOSITE PERIOD (kg)
09/29/89	23:48		TIME ZERO		0				
09/30/89	01:15		2972		1.5				
09/30/89	01:48	SWH-FS-01-01			2.0	55			
09/30/89	03:26		3661	316	3.6				
09/30/89	03:37	SWH-FS-01-01			3.8	54			
09/30/89	05:05		4222	340	5.3				
09/30/89	05:09	SWH-FS-01-01			5.3	52	2001		908
09/30/89	06:02	midpoint			6.2				
09/30/89	06:55		4788	309	7.1				
09/30/89	07:02	SWH-FS-01-02			7.2	53			
09/30/89	10:04		5621	264	10.3				
09/30/89	10:18	SWH-FS-01-02			10.5				
09/30/89	11:06		5951	319	11.3				
09/30/89	11:50	SWH-FS-01-02			12.0		1894		859
09/30/89	12:19		6351	329	12.5				
09/30/89	12:30	irreg. perf. begins			12.7			3895	
09/30/89	13:27		6713	319	13.7				
09/30/89	15:05		7234	319	15.3				
09/30/89	18:00		7486	86	18.2				
09/30/89	18:30	irreg. perf. ends			18.7				
09/30/89	18:53		7761	311	19.1				
09/30/89	19:36	SWH-FS-01-04			19.8	75			
09/30/89	20:38		8326	323	20.8				
09/30/89	22:11	SWH-FS-01-04			22.4	70			
09/30/89	22:43		9049	347	22.9				
10/01/89	00:24	SWH-FS-01-04			24.6	64	2150		975

000036

FEED SOIL (FS) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	SAMPLE ID	FEED TOTAL (lbs)	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FS FLOW DURING COMPOSITE PERIOD (kg)
10/01/89	01:06	midpoint			25.3				
10/01/89	01:10		9810	311	25.4				
10/01/89	01:49	SWH-FS-02-01			26.0	63			
10/01/89	02:34		10328	370	26.8				
10/01/89	03:58	SWH-FS-02-01			28.2	61			
10/01/89	04:40		11007	323	28.9				
10/01/89	05:44	SWH-FS-02-01			29.9	61	1856		842
10/01/89	06:48	midpoint			31.0				
10/01/89	07:07		11743	300	31.3				
10/01/89	07:52	SWH-FS-02-02			32.1	61			
10/01/89	08:24		12151	318	32.6				
10/01/89	09:40	SWH-FS-02-02			33.9	70			
10/01/89	10:04		12693	325	34.3				
10/01/89	11:42	SWH-FS-02-02			35.9	79	1871		849
10/01/89	12:46	midpoint			37.0				
10/01/89	13:50	SWH-FS-02-03			38.0	85			
10/01/89	14:38		14090	306	38.8				
10/01/89	15:20		14297	296	39.5				
10/01/89	15:47	SWH-FS-02-03			40.0	90			
10/01/89	16:29		14525	198	40.7				
10/01/89	17:44	SWH-FS-02-03			41.9	82	1562		709
10/01/89	18:45	midpoint			43.0				
10/01/89	19:46	SWH-FS-02-04			44.0	79			
10/01/89	20:25		15490	245	44.6				
10/01/89	22:16	SWH-FS-02-04			46.5	54			
10/01/89	22:28		15790	146	46.7				

000037

FEED SOIL (FS) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	SAMPLE ID	FEED TOTAL (lbs)	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FS FLOW DURING COMPOSITE PERIOD (kg)
10/01/89	23:28	SWH-FS-02-04			47.7	50	1013		459
10/01/89	23:40	SBR FEEDING BEGINS			47.9			8452	
10/02/89	00:23		16275	253	48.6				
10/03/89	08:00	HIGH SOIL TEST RESUMES			80.2				
10/03/89	08:31		20071		80.7				
10/03/89	10:00	SWH-FS-04-01			82.2	37			
10/03/89	10:27		20722	337	82.7				
10/03/89	11:52	SWH-FS-04-01			84.1	55			
10/03/89	12:13		21487	433	84.4				
10/03/89	14:26	SWH-FS-04-01			86.6	46	2931		1329
10/03/89	14:47		22588	429	87.0				
10/03/89	15:19	midpoint			87.5				
10/03/89	16:13	SWH-FS-04-02			88.4	50			
10/03/89	16:32		23362	442	88.7				
10/03/89	17:36	SWH-FS-04-02			89.8	48			
10/03/89	18:08		24069	442	90.3				
10/03/89	19:59	SWH-FS-04-02			92.2	43	2562		1162
10/03/89	20:20		25064	452	92.5				
10/03/89	21:03	midpoint			93.3				
10/03/89	21:55		25776	450	94.1				
10/03/89	22:08	SWH-FS-04-03			94.3	37			
10/03/89	23:09	SWH-FS-04-03			95.4	39			
10/03/89	23:48		26596	435	96.0				
10/04/89	01:27		27379	475	97.7				
10/04/89	01:39	SWH-FS-04-03			97.9	34	2559		1161
10/04/89	02:41	midpoint			98.9				

000038

FEED SOIL (FS) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	SAMPLE ID	FEED TOTAL (lbs)	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FS FLOW DURING COMPOSITE PERIOD (kg)
10/04/89	03:35		28358	459	99.8				
10/04/89	03:44	SWH-FS-04-04			99.9	28			
10/04/89	05:33		29174	415	101.8				
10/04/89	06:03	SWH-FS-04-04			102.3	28			
10/04/89	07:29		30039	447	103.7				
10/04/89	07:42	SWH-FS-04-04			103.9	30	2741		1243
10/04/89	08:52	midpoint			105.1				
10/04/89	10:03	SWH-FS-05-01			106.3	45			
10/04/89	10:24		31403	468	106.6				
10/04/89	11:59	SWH-FS-05-01			108.2	63			
10/04/89	12:20		32296	462	108.5				
10/04/89	13:38	SWH-FS-05-01			109.8	59	3220		1461
10/04/89	13:57		33193	555	110.2				
10/04/89	15:40		33886	404	111.9				
10/04/89	15:45	midpoint			112.0				
10/04/89	17:35		34434	286	113.8				
10/04/89	17:52	SWH-FS-05-02			114.1	54			
10/04/89	19:43	SWH-FS-05-02			115.9	52			
10/04/89	19:57		35317	373	116.2				
10/04/89	21:36	SWH-FS-05-02			117.8	50	2270		1030
10/04/89	21:40		35909	345	117.9				
10/04/89	22:34	midpoint			118.8				
10/04/89	23:33	SWH-FS-05-03			119.8	48			
10/04/89	23:45		36531	299	120.0				
10/05/89	01:29	SWH-FS-05-03			121.7	46			
10/05/89	02:15		37398	347	122.5				

000039

FEED SOIL (FS) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	SAMPLE ID	FEED TOTAL (lbs)	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FS FLOW DURING COMPOSITE PERIOD (kg)
10/05/89	03:50	SWH-FS-05-03			124.0	48	2102		954
10/05/89	04:30		38140	330	124.7				
10/05/89	04:55	midpoint			125.1				
10/05/89	05:55		38624	342	126.1				
10/05/89	06:00	SWH-FS-05-04			126.2	46			
10/05/89	07:30	SWH-FS-05-04			127.7	46			
10/05/89	10:10	SWH-FS-05-04			130.4	52	1997		906
10/05/89	10:39		40202	333	130.9				
10/05/89	11:00	midpoint			131.2				
10/05/89	11:36		40407	216	131.8				
10/05/89	11:51	SWH-FS-06-01			132.1	64			
10/05/89	14:28	SWH-FS-06-01			134.7	64			
10/05/89	14:46		41610	380	135.0				
10/05/89	15:49	SWH-FS-06-01			136.0	55	2019		916
10/05/89	16:42	midpoint			136.9				
10/05/89	17:36	SWH-FS-06-02			137.8	54			
10/05/89	18:28		42921	354	138.7				
10/05/89	19:18	SWH-FS-06-02			139.5	52			
10/05/89	19:45		43407	379	140.0				
10/05/89	22:02	SWH-FS-06-02			142.2	50	2150		975
10/05/89	22:48	midpoint			143.0				
10/05/89	23:12		44584	341	143.4				
10/05/89	23:34	SWH-FS-06-03			143.8	48			
10/06/89	00:02		44828	293	144.2				
10/06/89	01:28		45398	398	145.7				
10/06/89	01:37	SWH-FS-06-03			145.8	46			

000040

FEED SOIL (FS) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	SAMPLE ID	FEED TOTAL (lbs)	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FS FLOW DURING COMPOSITE PERIOD (kg)
10/06/89	03:22		46177	410	147.6				
10/06/89	03:31	SWH-FS-06-03			147.7	43	1880	26430	853
10/06/89	03:44		END OF TEST		147.9				
							38777	38777	17589
							Two Sig. Figs.		18000

0000041

FINE PARTICLE CAKE (FPC) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+FPC (lbs)	DRUM (lbs)	FPC (lbs)	ADJUSTED FPC (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FPC FLOW DURING COMPOSITE PERIOD (kg)
09/29/89	23:48			TIME ZERO										
09/30/89	02:05		SWH-FPC-01-01								0.0			
09/30/89	03:45		SWH-FPC-01-01						1000 ML	39	2.3			
09/30/89	05:16		SWH-FPC-01-01						1000 ML	39	4.0			
09/30/89	06:12	FPC-15		483.5	49.5	434.0	441.9	69	1000 ML	38	5.5	450		204
09/30/89	06:16	midpoint									6.4			
09/30/89	07:17		SWH-FPC-01-02								6.5			
09/30/89	10:34		SWH-FPC-01-02						1000 ML	38	7.5			
09/30/89	11:04	FPC-16		539.0	49.5	489.5	494.8	102	1000 ML	70	10.8			
09/30/89	12:04		SWH-FPC-01-02								11.3			
09/30/89	12:30	irreg. perf. begins							1000 ML	46	12.3	616		279
09/30/89	16:25	FPC-17		527.0	49.5	477.5	480.1	90			12.7			
09/30/89	18:30	irreg. perf. ends									16.6			
09/30/89	19:05	FPC-18		110.0	49.5	60.5	60.5	23			18.7			
09/30/89	19:40		SWH-FPC-01-04								19.3			
09/30/89	22:05		SWH-FPC-01-04						1000 ML	45	19.9			
10/01/89	00:27		SWH-FPC-01-04						1000 ML	44	22.3			
10/01/89	00:33	FPC-19		511.0	49.0	462.0	469.9	86	1000 ML	42	24.7	542		246
10/01/89	01:15	midpoint									24.8			
10/01/89	02:03		SWH-FPC-02-01								25.5			
10/01/89	04:00		SWH-FPC-02-01						1000 ML	41	26.3			
10/01/89	06:07		SWH-FPC-02-01						1000 ML	41	28.2			
10/01/89	06:11	FPC-20		517.0	49.5	467.5	475.4	84	1000 ML	41	30.3	494		224
10/01/89	07:10	midpoint									30.4			
10/01/89	08:13		SWH-FPC-02-02								31.4			
10/01/89	09:58		SWH-FPC-02-02						1000 ML	41	32.4			
10/01/89	11:50		SWH-FPC-02-02						1000 ML	70	34.2			
									1000 ML	78	36.0	459		208

FINE PARTICLE CAKE (FPC) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+FPC (lbs)	DRUM (lbs)	FPC (lbs)	ADJUSTED FPC (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FPC FLOW DURING COMPOSITE PERIOD (kg)
10/01/89	12:37	FPC-21		546.5	49.0	497.5	505.4	79			36.8			
10/01/89	13:05	midpoint									37.3			
10/01/89	14:20		SWH-FPC-02-03						1000 ML	85	38.5			
10/01/89	16:07		SWH-FPC-02-03						1000 ML	90	40.3			
10/01/89	17:47		SWH-FPC-02-03						1000 ML	82	42.0	386		175
10/01/89	18:51	midpoint									43.1			
10/01/89	19:55		SWH-FPC-02-04						1000 ML	43	44.1			
10/01/89	20:00	FPC-22		533.0	49.5	483.5	494.1	67			44.2			
10/01/89	22:24		SWH-FPC-02-04						1000 ML	39	46.6			
10/01/89	23:35		SWH-FPC-02-04						1000 ML	50	47.8	283		128
10/01/89	23:40			SBR FEEDING BEGINS							47.9			
10/02/89	00:45	FPC-23		310.0	49.0	261.0	266.3	56			49.0			
10/03/89	07:40										79.9			
10/03/89	08:00			HIGH SOIL TEST RESUMES							80.2			
10/03/89	10:04		SWH-FPC-04-01						1000 ML	34	82.3			
10/03/89	11:58		SWH-FPC-04-01						1000 ML	39	84.2			
10/03/89	14:28		SWH-FPC-04-01						1000 ML	36	86.7	583		264
10/03/89	14:57	FPC-24		603.0	49.5	553.5	561.4	77			87.2			
10/03/89	15:21	midpoint									87.6			
10/03/89	16:15		SWH-FPC-04-02						1000 ML	38	88.5			
10/03/89	17:38		SWH-FPC-04-02						1000 ML	37	89.8			
10/03/89	19:42	FPC-25		595.0	49.5	545.5	550.8	116			91.9			
10/03/89	20:09		SWH-FPC-04-02						1000 ML	35	92.4	694		315
10/03/89	21:10	midpoint									93.4			
10/03/89	22:12		SWH-FPC-04-03						1000 ML	34	94.4			
10/03/89	23:02		SWH-FPC-04-03						1000 ML	34	95.2			
10/03/89	23:25	FPC-26		521.0	49.5	471.5	479.4	129			95.6			

FINE PARTICLE CAKE (FPC) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+FPC (lbs)	DRUM (lbs)	FPC (lbs)	ADJUSTED FPC (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FPC FLOW DURING COMPOSITE PERIOD (kg)
10/04/89	01:53		SWH-FPC-04-03						1000 ML	33	98.1	616		279
10/04/89	02:54	midpoint									99.1			
10/04/89	03:55		SWH-FPC-04-04						1000 ML	31	100.1			
10/04/89	04:42	FPC-27		539.5	49.5	490.0	495.3	94			100.9			
10/04/89	06:08		SWH-FPC-04-04						1000 ML	31	102.3			
10/04/89	07:46		SWH-FPC-04-04						1000 ML	31	104.0	607		275
10/04/89	08:58	midpoint									105.2			
10/04/89	09:37	FPC-28		549.5	49.5	500.0	505.3	103			105.8			
10/04/89	10:10		SWH-FPC-05-01						1000 ML	36	106.4			
10/04/89	12:14		SWH-FPC-05-01						1000 ML	48	108.4			
10/04/89	13:42		SWH-FPC-05-01						1000 ML	40	109.9	584		265
10/04/89	15:45	FPC-29		552.0	49.5	502.5	510.4	83			112.0			
10/04/89	15:51	midpoint									112.1			
10/04/89	18:00		SWH-FPC-05-02						1000 ML	39	114.2			
10/04/89	19:50		SWH-FPC-05-02						1000 ML	38	116.0			
10/04/89	21:31		SWH-FPC-05-02						1000 ML	38	117.7	432		196
10/04/89	21:52	FPC-30		433.0	49.5	383.5	391.4	64			118.1			
10/04/89	22:35	midpoint									118.8			
10/04/89	23:39		SWH-FPC-05-03						1000 ML	37	119.9			
10/05/89	01:38		SWH-FPC-05-03						1000 ML	36	121.8			
10/05/89	03:47		SWH-FPC-05-03						1000 ML	37	124.0	416		189
10/05/89	04:58	midpoint									125.2			
10/05/89	05:53	FPC-31		563.5	49.5	514.0	521.9	65			126.1			
10/05/89	06:09		SWH-FPC-05-04						1000 ML	36	126.4			
10/05/89	07:33		SWH-FPC-05-04						1000 ML	36	127.8			
10/05/89	10:17		SWH-FPC-05-04						1000 ML	38	130.5	363		164
10/05/89	11:09	midpoint									131.4			

FINE PARTICLE CAKE (FPC) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+FPC (lbs)	DRUM (lbs)	FPC (lbs)	ADJUSTED FPC (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FPC FLOW DURING COMPOSITE PERIOD (kg)
10/05/89	12:02		SWH-FPC-06-01						1000 ML	43	132.2			
10/05/89	14:33		SWH-FPC-06-01						1000 ML	42	134.8			
10/05/89	15:20	FPC-32		579.0	49.5	529.5	542.7	57			135.5			
10/05/89	15:53		SWH-FPC-06-01						1000 ML	42	136.1	348		158
10/05/89	16:48	midpoint									137.0			
10/05/89	17:43		SWH-FPC-06-02						1000 ML	39	137.9			
10/05/89	19:23		SWH-FPC-06-02						1000 ML	38	139.6			
10/05/89	21:40	FPC-33		508.5	49.5	459.0	466.9	74			141.9			
10/05/89	22:05		SWH-FPC-06-02						1000 ML	38	142.3	447		203
10/05/89	22:53	midpoint									143.1			
10/05/89	23:42		SWH-FPC-06-03						1000 ML	37	143.9			
10/06/89	01:47		SWH-FPC-06-03						1000 ML	36	146.0			
10/06/89	03:37		SWH-FPC-06-03						1000 ML	35	147.8	349		158
10/06/89	03:44										147.9			
10/06/89	04:01	FPC-34		496.0	49.0	447.0	457.6	72			148.2			
						9029	9172					8666	8666	3931
												Two Sig. Figs.		3,900

0000045

FINE OVERSIZE (FO) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+FO (lbs)	DRUM (lbs)	FO (lbs)	ADJUSTED FO (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FO FLOW DURING COMPOSITE PERIOD (kg)
09/29/89	23:43			COLLECTION OF FO-4 BEGINS							-0.1			
09/29/89	23:48			TIME ZERO							0			
09/30/89	01:52		SWH-FO-01-01						1000 ML	55	2.1			
09/30/89	03:38		SWH-FO-01-01						1000 ML	54	3.8			
09/30/89	05:14		SWH-FO-01-01						1000 ML	52	5.4	96		44
09/30/89	06:10	midpoint									6.4			
09/30/89	07:06		SWH-FO-01-02						1000 ML	53	7.3			
09/30/89	11:00		SWH-FO-01-02						1000 ML	74	11.2			
09/30/89	12:09		SWH-FO-01-02						1000 ML	78	12.4	96		43
09/30/89	12:30	irreg. perf. begins									12.7			
09/30/89	18:30	irreg. perf. ends									18.7			
09/30/89	19:10	FO-4		327.0	49.5	277.5	292.2	15			19.4			
09/30/89	19:50		SWH-FO-01-04						1000 ML	75	20.0			
09/30/89	21:55		SWH-FO-01-04						1000 ML	70	22.1			
10/01/89	00:12		SWH-FO-01-04						1000 ML	64	24.4	94		43
10/01/89	01:02	midpoint									25.2			
10/01/89	01:52		SWH-FO-02-01						1000 ML	63	26.1			
10/01/89	03:40		SWH-FO-02-01						1000 ML	61	27.9			
10/01/89	05:55		SWH-FO-02-01						1000 ML	61	30.1	86		39
10/01/89	06:58	midpoint									31.2			
10/01/89	08:02		SWH-FO-02-02						1000 ML	61	32.2			
10/01/89	09:58		SWH-FO-02-02						700 ML	70	34.2			
10/01/89	12:07		SWH-FO-02-02						700 ML	79	36.3	90		41
10/01/89	13:12	midpoint									37.4			
10/01/89	14:17		SWH-FO-02-03						750 ML	85	38.5			
10/01/89	16:22		SWH-FO-02-03						700 ML	90	40.6			
10/01/89	17:30		SWH-FO-02-03						700 ML	82	41.7	79		36

000046

FINE OVERSIZE (FO) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+FO (lbs)	DRUM (lbs)	FO (lbs)	ADJUSTED FO (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FO FLOW DURING COMPOSITE PERIOD (kg)
10/01/89	18:40	midpoint												
10/01/89	19:50		SWH-FO-02-04								42.9			
10/01/89	22:27		SWH-FO-02-04						700 ML	79	44.0			
10/01/89	23:28		SWH-FO-02-04						700 ML	54	46.7			
10/01/89	23:40								700 ML	50	47.7	72		33
10/02/89	00:45	FO-5		SBR FEEDING BEGINS							47.9			
10/03/89	05:25			446.0	49.5	396.5	427.5	14			49.0			
10/03/89	08:00			COLLECTION OF FO-7 BEGINS							77.6			
10/03/89	10:18		SWH-FO-04-01	HIGH SOIL TEST RESUMES							80.2			
10/03/89	12:08		SWH-FO-04-01						1000 ML	41	82.5			
10/03/89	14:42		SWH-FO-04-01						850 ML	59	84.3			
10/03/89	15:34	midpoint							700 ML	46	86.9	153		69
10/03/89	16:27		SWH-FO-04-02								87.8			
10/03/89	17:37		SWH-FO-04-02						650 ML	50	88.7			
10/03/89	20:11		SWH-FO-04-02						700 ML	48	89.8			
10/03/89	21:10	midpoint							700 ML	43	92.4	113		51
10/03/89	22:10		SWH-FO-04-03								93.4			
10/03/89	23:01		SWH-FO-04-03						700 ML	37	94.4			
10/04/89	01:43		SWH-FO-04-03						700 ML	39	95.2			
10/04/89	02:45	midpoint							700 ML	34	97.9	113		51
10/04/89	03:47		SWH-FO-04-04								99.0			
10/04/89	04:13	FO-7							1000 ML	28	100.0			
10/04/89	06:00		SWH-FO-04-04	492.0	50.0	442.0	460.9	20			100.4			
10/04/89	07:36		SWH-FO-04-04						1000 ML	28	102.2			
10/04/89	08:54	midpoint							1000 ML	30	103.8	214		97
10/04/89	10:12		SWH-FO-05-01								105.1			
10/04/89	12:07		SWH-FO-05-01						700 ML	46	106.4			
									700 ML	63	108.3	241		110

000047

FINE OVERSIZE (FO) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+FO (lbs)	DRUM (lbs)	FO (lbs)	ADJUSTED FO (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FO FLOW DURING COMPOSITE PERIOD (kg)
10/04/89	15:03	midpoint									111.3			
10/04/89	16:30	FO-8		523.0	49.0	474.0	482.3	39			112.7			
10/04/89	17:59		SWH-FO-05-02						700 ML	54	114.2			
10/04/89	19:44		SWH-FO-05-02						700 ML	52	115.9			
10/04/89	21:20		SWH-FO-05-02						700 ML	50	117.5	172		78
10/04/89	22:27	midpoint									118.7			
10/04/89	23:34		SWH-FO-05-03						700 ML	48	119.8			
10/05/89	01:25		SWH-FO-05-03						850 ML	46	121.6			
10/05/89	03:40		SWH-FO-05-03						1000 ML	48	123.9	123		56
10/05/89	04:50	midpoint									125.0			
10/05/89	06:00		SWH-FO-05-04						900 ML	46	126.2			
10/05/89	07:28		SWH-FO-05-04						850 ML	46	127.7			
10/05/89	10:27		SWH-FO-05-04						700 ML	52	130.7	126		57
10/05/89	11:12	FO-9		393.5	49.5	344.0	361.4	19			131.4			
10/05/89	11:19										131.5			
10/05/89	12:12		SWH-FO-06-01						1000 ML	66	132.4			
10/05/89	14:38		SWH-FO-06-01						650 ML	64	134.8			
10/05/89	16:07		SWH-FO-06-01						1000 ML	55	136.3	120		54
10/05/89	16:53	midpoint									137.1			
10/05/89	17:40		SWH-FO-06-02						700 ML	54	137.9			
10/05/89	19:21		SWH-FO-06-02						700 ML	52	139.6			
10/05/89	21:53		SWH-FO-06-02						700 ML	50	142.1	125		57
10/05/89	22:43	midpoint									142.9			
10/05/89	23:33		SWH-FO-06-03						1000 ML	48	143.8			
10/06/89	01:39		SWH-FO-06-03						1000 ML	46	145.9			
10/06/89	03:31		SWH-FO-06-03						1000 ML	43	147.7	108		49
10/06/89	03:44			END OF TEST							147.9			

000048

FINE OVERSIZE (FO) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+FO (lbs)	DRUM (lbs)	FO (lbs)	ADJUSTED FO (lbs)	RATE (lbs/hr)	SAMP VOL	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	FO FLOW DURING COMPOSITE PERIOD (kg)
10/06/89	03:58	FO-10		391.0	49.5	341.5	360.5	22			148.2			
FO-6 contained material collected during operating periods not within the scope of the evaluation.						2276	2385					2221	2221	1007
												Two Sig. Figs.		1000

0000049

CATIONIC POLYMER (FLOC) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	ROTAMETER #7 (gph)	SOL'N DENSITY (lbs/gal)	TOTAL RATE (lbs/hr)	HOURS FROM TIME ZERO	ESTIMATED FLOC FLOW (lbs)	FLOC FLOW DURING TEST (lbs)	FLOC FLOW DURING TEST (gal)	FLOC FLOW DURING TEST (liters)
09/29/89	23:48	TIME ZERO			0				
09/30/89	01:16	40.00	8.34	334	1.5	489			
09/30/89	03:28	39.00	8.34	325	3.7	716			
09/30/89	05:06	32.00	8.34	267	5.3	436			
09/30/89	06:56	36.00	8.34	300	7.1	550			
09/30/89	11:08	40.00	8.34	334	11.3	1401			
09/30/89	12:23	40.00	8.34	334	12.6	417	4047		1836
09/30/89	12:30	irreg. perf. begins			12.7				
09/30/89	13:27	39.00	8.34	325	13.7	347			
09/30/89	15:10	42.00	8.34	350	15.4	601			
09/30/89	18:30	irreg. perf. ends			18.7				
09/30/89	20:40	37.00	8.34	309	20.9	1697			
09/30/89	22:44	36.00	8.34	300	22.9	620			
10/01/89	01:11	24.00	8.34	200	25.4	490			
10/01/89	02:38	36.00	8.34	300	26.8	435			
10/01/89	04:42	26.00	8.34	217	28.9	448			
10/01/89	07:08	36.00	8.34	300	31.3	731			
10/01/89	08:25	30.00	8.34	250	32.6	321			
10/01/89	10:05	32.00	8.34	267	34.3	445			
10/01/89	14:39	34.00	8.34	284	38.9	1295			
10/01/89	15:20	32.00	8.34	267	39.5	182			
10/01/89	16:29	31.00	8.34	259	40.7	297			
10/01/89	20:26	30.00	8.34	250	44.6	988			
10/01/89	22:28	29.00	8.34	242	46.7	492	7684		3486
10/01/89	23:40	SBR FEEDING BEGINS			47.9				
10/02/89	00:24	27.00	8.34	225	48.6	435			
10/03/89	08:00	HIGH SOIL TEST BEGINS			80.2				

000050

CATIONIC POLYMER (FLOC) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	ROTAMETER #7 (gph)	SOL'N DENSITY (lbs/gal)	TOTAL RATE (lbs/hr)	HOURS FROM TIME ZERO	ESTIMATED FLOC FLOW (lbs)	FLOC FLOW DURING TEST (lbs)	FLOC FLOW DURING TEST (gal)	FLOC FLOW DURING TEST (liters)
10/03/89	08:32	25.00	8.34	209	80.7	111			
10/03/89	10:31	28.00	8.34	234	82.7	463			
10/03/89	12:13	26.00	8.34	217	84.4	369			
10/03/89	14:49	25.00	8.34	209	87.0	542			
10/03/89	16:32	25.00	8.34	209	88.7	358			
10/03/89	18:08	26.00	8.34	217	90.3	347			
10/03/89	20:20	28.00	8.34	234	92.5	514			
10/03/89	21:55	28.00	8.34	234	94.1	370			
10/03/89	23:48	16.00	8.34	133	96.0	251			
10/04/89	01:28	24.00	8.34	200	97.7	334			
10/04/89	03:36	26.00	8.34	217	99.8	463			
10/04/89	05:34	26.00	8.34	217	101.8	426			
10/04/89	07:29	22.00	8.34	183	103.7	352			
10/04/89	10:24	34.00	8.34	284	106.6	827			
10/04/89	12:20	34.00	8.34	284	108.5	548			
10/04/89	13:57	30.00	8.34	250	110.2	404			
10/04/89	17:35	29.00	8.34	242	113.8	879			
10/04/89	19:57	28.00	8.34	234	116.2	553			
10/04/89	21:40	27.00	8.34	225	117.9	387			
10/04/89	23:45	28.00	8.34	234	120.0	487			
10/05/89	02:15	28.00	8.34	234	122.5	584			
10/05/89	04:30	27.00	8.34	225	124.7	507			
10/05/89	05:55	27.00	8.34	225	126.1	319			
10/05/89	10:39	38.00	8.34	317	130.9	1500			
10/05/89	11:36	30.00	8.34	250	131.8	238			
10/05/89	14:46	28.00	8.34	234	135.0	739			
10/05/89	16:33	29.00	8.34	242	136.8	431			

000051

CATIONIC POLYMER (FLOC) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	ROTAMETER #7 (gph)	SOL'N DENSITY (lbs/gal)	TOTAL RATE (lbs/hr)	HOURS FROM TIME ZERO	ESTIMATED FLOC FLOW (lbs)	FLOC FLOW DURING TEST (lbs)	FLOC FLOW DURING TEST (gal)	FLOC FLOW DURING TEST (liters)
10/05/89	18:28	29.00	8.34	242	138.7	464			
10/05/89	19:45	26.00	8.34	217	140.0	278			
10/05/89	23:12	27.00	8.34	225	143.4	777			
10/06/89	00:02	27.00	8.34	225	144.2	188			
10/06/89	01:28	26.00	8.34	217	145.7	311			
10/06/89	03:23	27.00	8.34	225	147.6	432			
10/06/89	03:44	END OF TEST			147.9		15829		7180
									12501
							Two Sig. Figs.		13000

000052

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+CO (lbs)	DRUM (lbs)	CO (lbs)	ADJUSTED CO (lbs)	RATE (lbs/hr)	SAMPLE VOL	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	CO FLOW DURING COMPOSITE PERIOD (kg)
09/29/89	23:48				TIME ZERO						0			
09/29/89	23:51										0.1			
09/30/89	02:10		SWH-CO-01-01						1000 ML	55	2.4			
09/30/89	03:44		SWH-CO-01-01						1000 ML	54	3.9			
09/30/89	05:32		SWH-CO-01-01						1000 ML	52	5.7	285		129
09/30/89	06:26	midpoint									6.6			
09/30/89	07:20		SWH-CO-01-02						1000 ML	53	7.5			
09/30/89	10:00	CO-8		477.0	49.5	427.5	436.6	43			10.2			
09/30/89	10:25		SWH-CO-01-02						1000 ML	70	10.6			
09/30/89	11:55		SWH-CO-01-02						1000 ML	78	12.1	236		107
09/30/89	12:30	irreg. perf. begins									12.7			
09/30/89	18:30	irreg. perf. ends									18.7			
09/30/89	19:15	CO-9		351.0	49.5	301.5	306.0	33			19.5			
09/30/89	20:06		SWH-CO-01-04						1000 ML	75	20.3			
09/30/89	22:08		SWH-CO-01-04						1000 ML	70	22.3			
10/01/89	00:32		SWH-CO-01-04						1000 ML	64	24.7	339		154
10/01/89	01:23	midpoint									25.6			
10/01/89	02:15		SWH-CO-02-01						1000 ML	63	26.5			
10/01/89	03:35	CO-10		466.0	49.0	417.0	426.1	51			27.8			
10/01/89	04:05		SWH-CO-02-01						1000 ML	61	28.3			
10/01/89	05:49		SWH-CO-02-01						1000 ML	61	30.0	266		121
10/01/89	06:49	midpoint									31.0			
10/01/89	07:50		SWH-CO-02-02						1000 ML	61	32.0			
10/01/89	09:48		SWH-CO-02-02						1000 ML	70	34.0			
10/01/89	11:48		SWH-CO-02-02						1000 ML	78	36.0	288		130
10/01/89	12:53	midpoint									37.1			
10/01/89	12:53	CO-11		479.5	49.5	430.0	441.3	47			37.1			

000053

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+CO (lbs)	DRUM (lbs)	CO (lbs)	ADJUSTED CO (lbs)	RATE (lbs/hr)	SAMPLE VOL	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	CO FLOW DURING COMPOSITE PERIOD (kg)
10/01/89	13:56		SWH-CO-02-03						1000 ML	85	38.1			
10/01/89	16:00		SWH-CO-02-03						1000 ML	90	40.2			
10/01/89	17:49		SWH-CO-02-03						1000 ML	82	42.0	227		103
10/01/89	18:54	midpoint									43.1			
10/01/89	20:00		SWH-CO-02-04						1000 ML	20	44.2			
10/01/89	22:14		SWH-CO-02-04						1000 ML	54	46.4			
10/01/89	23:38		SWH-CO-02-04						1000 ML	50	47.8	179		81
10/01/89	23:40			SBR FEEDING BEGINS							47.9			
10/02/89	00:45	CO-12		482.5	49.0	433.5	447.1	38			49.0			
10/03/89	03:47										76.0			
10/03/89	05:35	CO-14		220.5	49.5	171.0	171.0	95			77.8			
10/03/89	08:00			HIGH SOIL TEST RESUMES							80.2			
10/03/89	10:01		SWH-CO-04-01						1000 ML	37	82.2			
10/03/89	11:16	CO-15		454.0	49.0	405.0	407.3	72			83.5			
10/03/89	11:57		SWH-CO-04-01						1000 ML	55	84.2			
10/03/89	14:35		SWH-CO-04-01						1000 ML	46	86.8	556		252
10/03/89	15:27	midpoint									87.7			
10/03/89	16:15	CO-16		429.0	49.5	379.5	384.0	77			88.5			
10/03/89	16:19		SWH-CO-04-02						1000 ML	50	88.5			
10/03/89	17:43		SWH-CO-04-02						1000 ML	48	89.9			
10/03/89	20:04		SWH-CO-04-02						1000 ML	43	92.3	466		212
10/03/89	21:10	midpoint									93.4			
10/03/89	21:10	CO-17		447.5	49.5	398.0	404.8	82			93.4			
10/03/89	22:15		SWH-CO-04-03						1000 ML	37	94.5			
10/03/89	23:08		SWH-CO-04-03						1000 ML	39	95.3			
10/04/89	01:54	CO-18		452.0	49.5	402.5	407.0	86			98.1			
10/04/89	01:56		SWH-CO-04-03						1000 ML	34	98.1	482		219

000054

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+CO (lbs)	DRUM (lbs)	CO (lbs)	ADJUSTED CO (lbs)	RATE (lbs/hr)	SAMPLE VOL	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	CO FLOW DURING COMPOSITE PERIOD (kg)
10/04/89	02:51	midpoint												
											99.1			
10/04/89	03:46		SWH-CO-04-04						1000 ML	28	100.0			
10/04/89	06:02		SWH-CO-04-04						1000 ML	28	102.2			
10/04/89	07:36		SWH-CO-04-04						1000 ML	30	103.8	480		218
10/04/89	07:45	CO-19		502.5	49.5	453.0	462.1	79			104.0			
10/04/89	08:50	midpoint									105.0			
10/04/89	10:04		SWH-CO-05-01						1000 ML	46	106.3			
10/04/89	11:59		SWH-CO-05-01						1000 ML	63	108.2			
10/04/89	12:35	CO-20		460.0	49.5	410.5	415.0	86			108.8			
10/04/89	13:35		SWH-CO-05-01						1000 ML	59	109.8	557		252
10/04/89	15:44	midpoint									111.9			
10/04/89	17:53		SWH-CO-05-02						1000 ML	54	114.1			
10/04/89	18:20	CO-21		473.0	49.5	423.5	428.0	74			114.5			
10/04/89	19:53		SWH-CO-05-02						1000 ML	52	116.1			
10/04/89	21:30		SWH-CO-05-02						1000 ML	50	117.7	489		222
10/04/89	22:35	midpoint									118.8			
10/04/89	23:05	CO-22		374.5	49.5	325.0	329.5	69			119.3			
10/04/89	23:41		SWH-CO-05-03						1000 ML	48	119.9			
10/05/89	01:26		SWH-CO-05-03						1000 ML	46	121.6			
10/05/89	03:40		SWH-CO-05-03						1000 ML	48	123.9	420		190
10/05/89	04:51	midpoint									125.1			
10/05/89	06:02		SWH-CO-05-04						1000 ML	46	126.2			
10/05/89	07:26		SWH-CO-05-04						1000 ML	46	127.6			
10/05/89	07:31	CO-23		602.0	49.5	552.5	563.8	67			127.7			
10/05/89	10:12		SWH-CO-05-04						1000 ML	52	130.4	399		181
10/05/89	11:03	midpoint									131.3			
10/05/89	11:55		SWH-CO-06-01						1000 ML	66	132.1			

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	DRUM ID	SAMPLE ID	DRUM+CO (lbs)	DRUM (lbs)	CO (lbs)	ADJUSTED CO (lbs)	RATE (lbs/hr)	SAMPLE VOL	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (lbs)	CHECK (lbs)	CO FLOW DURING COMPOSITE PERIOD (kg)
10/05/89	14:22	CO-24		471.0	49.5	421.5	426.0	62			134.6			
10/05/89	14:30		SWH-CO-06-01						1000 ML	66	134.7			
10/05/89	15:51		SWH-CO-06-01						1000 ML	55	136.1	508		230
10/05/89	16:49	midpoint									137.0			
10/05/89	17:47		SWH-CO-06-02			TEMP			1000 ML	54	138.0			
10/05/89	17:48	CO-25		466.0	49.5	416.5	423.3	123			138.0			
10/05/89	19:26		SWH-CO-06-02						1000 ML	52	139.6			
10/05/89	21:48		SWH-CO-06-02						1000 ML	59	142.0	407		184
10/05/89	22:43	midpoint									142.9			
10/05/89	23:39		SWH-CO-06-03						1000 ML	48	143.9			
10/06/89	01:42		SWH-CO-06-03						1000 ML	46	145.9			
10/06/89	02:46	CO-26		560.0	49.5	510.5	519.6	58			147.0			
10/06/89	03:39		SWH-CO-06-03						1000 ML	43	147.9	322		146
10/06/89	03:44				TIME ZERO						147.9			
10/06/89	04:03	CO-27		163.5	49.5	114.0	116.3	91			148.3			
						7393	7515					6905	6905	3132
											Two Sig Figs			3100

000056

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	TANK NO	SAMPLE ID	TANK HEIGHT (ft)	ADJUSTED HEIGHT (ft)	TANK VOLUME (gal)	----CDE RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	CDE FLOW DURING COMPOSITE PERIOD (liters)
09/29/89	23:48				TIME ZERO				0				
09/30/89	01:17	#1		3.219	3.198	2947			1.5				
09/30/89	02:03		SWH-CDE-01-01						2.3	55			
09/30/89	03:31	#1		3.677	3.656	3516	4.25	2127	3.7				
09/30/89	03:42		SWH-CDE-01-01						3.9	54			
09/30/89	05:11	#1		4.063	4.042	4000	4.84	2421	5.4				
09/30/89	05:15		SWH-CDE-01-01						5.5	52	1767		6689
09/30/89	06:15	midpoint							6.5				
09/30/89	06:59	#1		4.510	4.490	4562	5.20	2601	7.2				
09/30/89	07:16		SWH-CDE-01-02						7.5	53			
09/30/89	09:35	#1		5.104	5.083	5292	4.68	2344	9.8				
09/30/89	09:58	#1		5.146	5.125	5343	2.19	1095	10.2				
09/30/89	10:39		SWH-CDE-01-02						10.9	70			
09/30/89	10:48	#1		5.281	5.260	5505	3.25	1626	11.0			2937	
09/30/89	10:48	#2		1.167	1.151	699			11.0				
09/30/89	11:58		SWH-CDE-01-02						12.2	77	1572		5949
09/30/89	12:25	#2		1.573	1.557	1081	3.94	1972	12.6				
09/30/89	12:30	system irreg. begins							12.7			402	
09/30/89	15:05	#2		2.188	2.172	1733	4.07	2038	15.3				
09/30/89	16:36	#2		2.500	2.484	2090	3.92	1961	16.8				
09/30/89	18:30	system irreg. ends							18.7				
09/30/89	18:51	#2		2.979	2.964	2660	4.22	2114	19.1				
09/30/89	20:00		SWH-CDE-01-04						20.2	75			
09/30/89	20:44	#2		3.281	3.266	3030	3.28	1639	20.9				
09/30/89	21:50		SWH-CDE-01-04						22.0	70			
09/30/89	23:59		SWH-CDE-01-04						24.2	64	1511		5718

000057

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	TANK NO	SAMPLE ID	TANK HEIGHT (ft)	ADJUSTED HEIGHT (ft)	TANK VOLUME (gal)	----CDE RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	CDE FLOW DURING COMPOSITE PERIOD (liters)
10/01/89	01:04	midpoint							25.3				
10/01/89	01:15	#2		4.156	4.141	4125	4.04	2021	25.5				
10/01/89	02:10		SWH-CDE-02-01						26.4	63			
10/01/89	02:37	#2		4.396	4.380	4425	3.66	1833	26.8				
10/01/89	03:57		SWH-CDE-02-01						28.2	61			
10/01/89	04:43	#2		4.833	4.818	4968	4.31	2158	28.9				
10/01/89	05:53		SWH-CDE-02-01						30.1	61	1424		5390
10/01/89	06:55	midpoint							31.1				
10/01/89	07:09	#2		5.323	5.307	5561	4.06	2032	31.4				
10/01/89	07:58		SWH-CDE-02-02						32.2	61			
10/01/89	08:22	#2		5.583	5.568	5866	4.18	2093	32.6				
10/01/89	09:43		SWH-CDE-02-02						33.9	70			
10/01/89	10:08	#2		5.927	5.911	6255	3.67	1835	34.3				
10/01/89	10:40		SWH-CDE-02-02						34.9	78	1290		4883
10/01/89	12:21	midpoint							36.6				
10/01/89	13:15	#2		6.667	6.651	7016	4.07	2036	37.5			4445	
10/01/89	13:15	#1		1.521	1.500	1025			37.5				
10/01/89	14:02		SWH-CDE-02-03						38.2	85			
10/01/89	15:17	#1		1.906	1.885	1420	3.24	1621	39.5				
10/01/89	15:41		SWH-CDE-02-03						39.9	90			
10/01/89	17:21	#1		2.333	2.312	1892	3.81	1904	41.6				
10/01/89	17:42		SWH-CDE-02-03						41.9	82	1446		5472
10/01/89	18:54	midpoint							43.1				
10/01/89	19:27	#1		2.750	2.729	2378	3.86	1931	43.7				
10/01/89	20:06		SWH-CDE-02-04						44.3	68			
10/01/89	22:00	#1		3.219	3.198	2947	3.72	1860	46.2				

000058

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	TANK NO	SAMPLE ID	TANK HEIGHT (ft)	ADJUSTED HEIGHT (ft)	TANK VOLUME (gal)	----CDE RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	CDE FLOW DURING COMPOSITE PERIOD (liters)
10/01/89	22:21		SWH-CDE-02-04						46.6	54			
10/01/89	23:32		SWH-CDE-02-04						47.7	50	1070		4048
10/01/89	23:40				SBR FEEDING PERIOD BEGINS				47.9			2296	
10/02/89	00:22	#1		3.646	3.625	3477	3.74	1870	48.6				
10/03/89	07:31	#2		2.490	2.474	2078			79.7				
10/03/89	08:00				RESUME HIGH SOIL TEST				80.2				
10/03/89	10:08		SWH-CDE-04-01						82.3	37			
10/03/89	10:25	#2		3.000	2.984	2685	3.49	1748	82.6				
10/03/89	11:51		SWH-CDE-04-01						84.1	55			
10/03/89	12:15	#2		3.302	3.286	3056	3.37	1686	84.5				
10/03/89	14:31		SWH-CDE-04-01						86.7	46	1554		5883
10/03/89	14:50	#2		3.760	3.745	3627	3.69	1845	87.0				
10/03/89	15:21	midpoint							87.6				
10/03/89	16:12		SWH-CDE-04-02						88.4	50			
10/03/89	17:39		SWH-CDE-04-02						89.9	48			
10/03/89	19:26	#2		4.500	4.484	4555	3.36	1682	91.6				
10/03/89	20:05		SWH-CDE-04-02						92.3	43	1161		4394
10/03/89	21:11	midpoint							93.4				
10/03/89	21:30	#2		4.823	4.807	4955	3.23	1616	93.7				
10/03/89	22:17		SWH-CDE-04-03						94.5	37			
10/03/89	22:52	#2		5.042	5.026	5223	3.26	1633	95.1				
10/03/89	23:07		SWH-CDE-04-03						95.3	39			
10/03/89	23:39	#2		5.167	5.151	5374	3.22	1609	95.9				
10/04/89	01:29	#2		5.458	5.443	5721	3.15	1577	97.7				
10/04/89	01:52		SWH-CDE-04-03						98.1	34	1123		4249
10/04/89	02:55	midpoint							99.1				

000059

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	TANK NO	SAMPLE ID	TANK HEIGHT (ft)	ADJUSTED HEIGHT (ft)	TANK VOLUME (gal)	----CDE RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	CDE FLOW DURING COMPOSITE PERIOD (liters)
10/04/89	03:34	#2		5.833	5.818	6151	3.44	1722	99.8				
10/04/89	03:58		SWH-CDE-04-04						100.2	28			
10/04/89	05:29	#2		6.188	6.172	6536	3.35	1678	101.7				
10/04/89	06:00		SWH-CDE-04-04						102.2	28			
10/04/89	07:30	#2		6.604	6.589	6957	3.47	1738	103.7				
10/04/89	07:45		SWH-CDE-04-04						104.0	30	1241		4696
10/04/89	08:56	midpoint							105.1			5078	
10/04/89	09:33	#1		1.563	1.542	1066			105.8				
10/04/89	10:08		SWH-CDE-05-01						106.3	46			
10/04/89	10:28	#1		1.698	1.677	1202	2.48	1241	106.7				
10/04/89	12:12		SWH-CDE-05-01						108.4	61			
10/04/89	12:24	#1		2.000	1.979	1521	2.75	1374	108.6				
10/04/89	13:40		SWH-CDE-05-01						109.9	59	1040		3937
10/04/89	14:04	#1		2.260	2.240	1809	2.88	1443	110.3				
10/04/89	15:51	midpoint							112.0				
10/04/89	17:36	#1		2.615	2.594	2218	1.93	964	113.8				
10/04/89	18:02		SWH-CDE-05-02						114.2	54			
10/04/89	19:38	#1		2.885	2.865	2540	2.64	1323	115.8				
10/04/89	19:47		SWH-CDE-05-02						116.0	52			
10/04/89	21:25	#1		3.156	3.135	2870	3.08	1541	117.6				
10/04/89	21:26		SWH-CDE-05-02						117.6	50	1067		4040
10/04/89	22:31	midpoint							118.7				
10/04/89	23:37		SWH-CDE-05-03						119.8	48			
10/04/89	23:50	#1		3.531	3.510	3334	3.20	1602	120.0				
10/05/89	01:25		SWH-CDE-05-03						121.6	46			
10/05/89	01:45	#1		3.813	3.792	3686	3.06	1532	122.0				

000060

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	TANK NO	SAMPLE ID	TANK HEIGHT (ft)	ADJUSTED HEIGHT (ft)	TANK VOLUME (gal)	----CDE RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	CDE FLOW DURING COMPOSITE PERIOD (liters)
10/05/89	03:32	#1		4.042	4.021	3974	2.69	1346	123.7				
10/05/89	03:45		SWH-CDE-05-03						124.0	48	1133		4289
10/05/89	04:59	midpoint							125.2				
10/05/89	05:35	#1		4.313	4.292	4314	2.76	1383	125.8				
10/05/89	06:14		SWH-CDE-05-04						126.4	46			
10/05/89	07:42	#1		4.531	4.510	4588	2.15	1078	127.9				
10/05/89	07:49		SWH-CDE-05-04						128.0	46			
10/05/89	10:12		SWH-CDE-05-04						130.4	52	825		3123
10/05/89	10:45	#1		4.844	4.823	4975	2.12	1059	131.0				
10/05/89	11:05	midpoint							131.3				
10/05/89	11:58		SWH-CDE-06-01						132.2	66			
10/05/89	14:25		SWH-CDE-06-01						134.6	64			
10/05/89	14:50	#1		5.521	5.500	5788	3.32	1661	135.0				
10/05/89	15:20	#1		5.573	5.552	5848	2.02	1009	135.5			4873	
10/05/89	15:20	#2		1.542	1.526	1050			135.5				
10/05/89	15:56		SWH-CDE-06-01						136.1	55	989		3743
10/05/89	16:51	midpoint							137.1				
10/05/89	17:28	#2		1.792	1.776	1305	1.99	994	137.7				
10/05/89	17:47		SWH-CDE-06-02						138.0	54			
10/05/89	19:22		SWH-CDE-06-02						139.6	50			
10/05/89	19:34	#2		2.083	2.068	1618	2.48	1243	139.8				
10/05/89	21:26	#2		2.313	2.297	1874	2.29	1146	141.6				
10/05/89	22:08		SWH-CDE-06-02						142.3	50	831		3145
10/05/89	22:52	midpoint							143.1				
10/05/89	23:27	#2		2.542	2.526	2138	2.18	1093	143.7				
10/05/89	23:37		SWH-CDE-06-03						143.8	48			

000061

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	TANK NO	SAMPLE ID	TANK HEIGHT (ft)	ADJUSTED HEIGHT (ft)	TANK VOLUME (gal)	----CDE RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	CDE FLOW DURING COMPOSITE PERIOD (liters)
10/06/89	01:29	#2		2.792	2.776	2434	2.42	1213	145.7				
10/06/89	01:45		SWH-CDE-06-03						146.0	46			
10/06/89	03:28	#2		3.031	3.016	2723	2.43	1217	147.7				
10/06/89	03:42		SWH-CDE-06-03						147.9	43	699		2647
10/06/89	03:44				END OF TEST				147.9			1712	
10/06/89	05:22	#2		3.229	3.214	2966	2.13	1065	149.6				
											21742	21742	82295
											Two Sig. Figs.		82000

290062

ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	TANK NO.	SAMPLE ID	TANK HEIGHT (ft)	ADJ HEIGHT (ft)	TANK VOLUME (gal)	----ATW RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	ATW FLOW DURING COMPOSITE PERIOD (liters)
09/29/89	23:48				TIME ZERO				0				
09/30/89	01:17	#4		4.406	4.401	4451			1.5				
09/30/89	02:08		SWH-ATW-01-01						2.3	55			
09/30/89	03:31	#4		4.000	3.995	3941	3.80	1903	3.7				
09/30/89	05:11	#4		3.698	3.693	3562	3.79	1898	5.4				
09/30/89	05:28		SWH-ATW-01-01						5.7	52			
09/30/89	05:45	#4		3.625	3.620	3471	2.69	1344	6.0			1319	
09/30/89	05:45	#3		7.583	7.344	7589			6.0				
09/30/89	06:59	#3		7.229	6.990	7317	3.67	1834	7.2				
09/30/89	09:35	#3		6.615	6.375	6746	3.66	1832	9.8				
09/30/89	09:58	#3		6.583	6.344	6715	1.38	691	10.2				
09/30/89	10:23		SWH-ATW-01-01						10.6	68	2698		10211
09/30/89	10:47	#3		6.427	6.187	6553	3.30	1652	11.0				
09/30/89	12:25	#3		6.125	5.885	6226	3.33	1668	12.6				
09/30/89	12:30	system irreg. begin							12.7			1379	
09/30/89	15:05	#3		5.656	5.417	5690	3.35	1677	15.3				
09/30/89	16:36	#3		5.417	5.177	5405	3.13	1566	16.8				
09/30/89	18:30	system irreg. end							18.7				
09/30/89	18:51	#3		5.052	4.812	4962	3.29	1644	19.1				
09/30/89	20:08		SWH-ATW-01-02						20.3	75			
09/30/89	20:44	#3		4.708	4.469	4536	3.77	1888	20.9				
09/30/89	22:13		SWH-ATW-01-02						22.4	70			
10/01/89	00:07		SWH-ATW-01-02						24.3	64	1475		5582
10/01/89	01:15	#3		3.948	3.708	3582	3.52	1761	25.5				
10/01/89	01:22	midpoint							25.6				
10/01/89	02:37	#3		3.708	3.469	3282	3.65	1827	26.8				
10/01/89	04:12		SWH-ATW-02-01						28.4	61			

000063

ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	TANK NO.	SAMPLE ID	TANK HEIGHT (ft)	ADJ HEIGHT (ft)	TANK VOLUME (gal)	ATW RATE (gpm)	ATW RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	ATW FLOW DURING COMPOSITE PERIOD (liters)
10/01/89	04:43	#3		3.323	3.083	2806	3.78	1891	28.9			2225	
10/01/89	07:09	#4		6.500	6.495	6866			31.4				
10/01/89	07:55		SWH-ATW-02-01						32.1	61			
10/01/89	08:22	#4		6.240	6.234	6602	3.61	1809	32.6				
10/01/89	10:08	#4		5.906	5.901	6244	3.38	1692	34.3				
10/01/89	11:47		SWH-ATW-02-01						36.0	79	2675		10124
10/01/89	13:15	#4		5.333	5.328	5586	3.52	1761	37.5				
10/01/89	13:49	midpoint							38.0				
10/01/89	15:17	#4		4.990	4.984	5172	3.39	1696	39.5				
10/01/89	15:52		SWH-ATW-02-02						40.1	90			
10/01/89	17:21	#4		4.667	4.661	4775	3.20	1602	41.6				
10/01/89	19:27	#4		4.333	4.328	4360	3.30	1650	43.7				
10/01/89	20:04		SWH-ATW-02-02						44.3	68			
10/01/89	22:00	#4		3.938	3.932	3863	3.25	1625	46.2			3834	
10/01/89	23:40				SBR FEEDING PERIOD BEGINS				47.9				
10/01/89	23:40		SWH-ATW-02-02						47.9	50	1910		7228
10/02/89	00:22	#4		3.594	3.589	3432	3.04	1519	48.6				
10/03/89	07:33	#4		5.354	5.349	5610			79.8				
10/03/89	08:00				RESUME HIGH SOIL TEST				80.2				
10/03/89	10:25	#4		4.927	4.922	5096	2.99	1496	82.6				
10/03/89	11:54		SWH-ATW-04-01						84.1	55			
10/03/89	12:15	#4		4.635	4.630	4737	3.27	1635	84.5				
10/03/89	14:50	#4		4.219	4.214	4216	3.36	1680	87.0				
10/03/89	16:11		SWH-ATW-04-01						88.4	50			
10/03/89	16:36	#4		3.979	3.974	3915	2.84	1421	88.8				
10/03/89	19:26	#4		3.531	3.526	3354	3.30	1653	91.6			2586	
10/03/89	20:13		SWH-ATW-04-01						92.4	43	2623		9928

000064

ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	TANK NO.	SAMPLE ID	TANK HEIGHT (ft)	ADJ HEIGHT (ft)	TANK VOLUME (gal)	----ATW RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	ATW FLOW DURING COMPOSITE PERIOD (liters)
10/03/89	21:30	#3		7.750	7.510	7697			93.7				
10/03/89	21:42	midpoint							93.9				
10/03/89	22:52	#3		7.396	7.156	7451	2.99	1496	95.1				
10/03/89	23:12		SWH-ATW-04-02						95.4	39			
10/03/89	23:39	#3		7.229	6.990	7317	2.85	1427	95.9				
10/04/89	01:30	#3		6.875	6.635	7001	2.85	1425	97.7				
10/04/89	03:35	#3		6.500	6.260	6629	2.98	1491	99.8				
10/04/89	03:48		SWH-ATW-04-02						100.0	28			
10/04/89	05:30	#3		6.167	5.927	6272	3.10	1552	101.7				
10/04/89	07:31	#3		5.844	5.604	5908	3.01	1505	103.7				
10/04/89	07:36		SWH-ATW-04-02						103.8	30	2175		8234
10/04/89	09:33	#3		5.510	5.271	5518	3.20	1603	105.8				
10/04/89	09:46	midpoint							106.0				
10/04/89	10:28	#3		5.396	5.156	5380	2.49	1248	106.7				
10/04/89	11:57		SWH-ATW-05-01						108.2	63			
10/04/89	12:24	#3		5.135	4.896	5064	2.73	1364	108.6				
10/04/89	14:04	#3		4.906	4.667	4782	2.82	1413	110.3				
10/04/89	17:36	#3		4.542	4.302	4327	2.14	1073	113.8				
10/04/89	17:57		SWH-ATW-05-01						114.2	54			
10/04/89	19:38	#3		4.292	4.052	4013	2.57	1287	115.8			3683	
10/04/89	21:25	#4		6.917	6.911	7251			117.6				
10/04/89	21:28		SWH-ATW-05-01						117.7	50	2071		7838
10/04/89	23:30	midpoint							119.7				
10/04/89	23:50	#4		6.510	6.505	6876	2.59	1295	120.0				
10/05/89	01:32		SWH-ATW-05-02						121.7	46			
10/05/89	01:48	#4		6.208	6.203	6569	2.60	1301	122.0				
10/05/89	03:35	#4		5.958	5.953	6301	2.51	1255	123.8				

000065

ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST

Field Measurements -- Final Data

DATE	TIME	TANK NO.	SAMPLE ID	TANK HEIGHT (ft)	ADJ HEIGHT (ft)	TANK VOLUME (gal)	----ATW RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (gal)	CHECK (gal)	ATW FLOW DURING COMPOSITE PERIOD (liters)
10/05/89	05:38	#4		5.719	5.714	6033	2.18	1088	125.8				
10/05/89	06:06		SWH-ATW-05-02						126.3	46			
10/05/89	07:39	#4		5.479	5.474	5757	2.28	1142	127.9				
10/05/89	10:05		SWH-ATW-05-02						130.3	52	1726		6534
10/05/89	10:45	#4		5.208	5.203	5437	1.72	863	131.0				
10/05/89	12:19	midpoint							132.5				
10/05/89	14:34		SWH-ATW-06-01						134.8	64			
10/05/89	14:50	#4		4.708	4.703	4827	2.49	1245	135.0				
10/05/89	15:20	#4		4.604	4.599	4698	4.30	2154	135.5			2830	
10/05/89	16:34	#3		7.323	7.083	7394			136.8				
10/05/89	17:28	#3		7.208	6.969	7300	1.74	872	137.7				
10/05/89	17:40		SWH-ATW-06-01						137.9	54			
10/05/89	19:34	#3		6.875	6.635	7001	2.37	1186	139.8				
10/05/89	21:26	#3		6.625	6.385	6757	2.18	1092	141.6				
10/05/89	21:48		SWH-ATW-06-01						142.0	50	1524		5769
10/05/89	23:27	#3		6.417	6.177	6542	1.78	889	143.7				
10/05/89	23:43	midpoint							143.9				
10/06/89	01:30	#3		6.146	5.906	6249	2.38	1190	145.7				
10/06/89	01:39		SWH-ATW-06-02						145.9	46			
10/06/89	03:29	#3		5.906	5.667	5980	2.26	1132	147.7				
10/06/89	03:34		SWH-ATW-06-02						147.8	43	557		2107
10/06/89	03:44				END OF TEST				147.9			1577	
10/06/89	05:22	#3		5.771	5.531	5824	1.38	691	149.6				
											19433	19433	73554
										Two Sig. Figs.			74000

000066

RAW FIELD MEASUREMENTS

FIELD MEASUREMENT LOG

WASHED SOIL (WS) -- LOW SOIL TEST

DATE	TIME	DRUM ID	DRUM + WS (lbs)	DRUM TARE (lbs)	WASHED SOIL (lbs)	RATE (lbs/hr)	HOURS FROM TIME ZERO
09/25/89	12:37	TIME ZERO					0
09/25/89	14:05						1.5
09/25/89	15:05	WS-1	593.5	49.0	544.5	544	2.5
09/25/89	16:26	WS-2	869.5	49.0	820.5	608	3.8
09/25/89	17:26	WS-3	790.5	49.5	741.0	741	4.8
09/25/89	18:35	WS-4	773.0	49.0	724.0	630	6.0
09/25/89	19:54	WS-1	760.0	53.0	707.0	537	7.3
09/25/89	21:00	WS-2	767.0	56.5	710.5	646	8.4
09/25/89	22:10	WS-3	797.0	53.5	743.5	637	9.6
09/25/89	23:30	WS-4	883.5	54.5	829.0	622	10.9
09/26/89	00:45	WS-1	775.0	53.5	721.5	577	12.1
09/26/89	01:47	WS-3	728.5	53.5	675.0	653	13.2
09/26/89	02:51	WS-1	739.0	54.5	684.5	642	14.2
09/26/89	03:58	WS-3	BROKEN SCALE -- INACCURATE DATA				15.3
09/26/89	05:08	WS-1	769.5	54.0	715.5	613	16.5
09/26/89	06:17	WS-3	791.5	56.5	735.0	639	17.7
09/26/89	07:33	WS-1	855.0	53.0	802.0	633	18.9
09/26/89	08:38	WS-3	754.0	50.0	704.0	650	20.0
09/26/89	09:44	WS-5	788.5	49.5	739.0	672	21.1
09/26/89	11:03	WS-3	884.0	68.0	816.0	620	22.4
09/26/89	12:16	WS-5	910.5	54.5	856.0	704	23.6
09/26/89	13:34	WS-6	899.5	49.5	850.0	654	24.9
09/26/89	14:45	WS-5	856.5	62.0	794.5	671	26.1
09/26/89	15:56	WS-6	872.5	58.0	814.5	688	27.3
09/26/89	17:11	WS-5	765.0	54.5	710.5	568	28.6
09/26/89	18:15	WS-6	789.5	62.0	727.5	682	29.6
09/26/89	19:32	WS-5	845.5	66.0	779.5	607	30.9
09/26/89	20:46	WS-7	826.5	49.5	777.0	630	32.2
09/26/89	22:00	WS-5	812.0	52.0	760.0	616	33.4

000068

FIELD MEASUREMENT LOG

WASHED SOIL (WS) -- LOW SOIL TEST

DATE	TIME	DRUM ID	DRUM + WS (lbs)	DRUM TARE (lbs)	WASHED SOIL (lbs)	RATE (lbs/hr)	HOURS FROM TIME ZERO
09/26/89	23:20	WS-7	810.0	52.0	758.0	568	34.7
09/27/89	00:37	WS-5	783.0	57.0	726.0	566	36.0
09/27/89	02:19	WS-8	840.0	49.5	790.5	465	37.7
09/27/89	03:58	WS-5	811.0	57.0	754.0	457	39.3
09/27/89	05:45	WS-8	785.0	57.0	728.0	408	41.1
09/27/89	07:30	WS-5	826.0	61.0	765.0	437	42.9
09/27/89	09:27	WS-8	834.5	54.0	780.5	400	44.8
09/27/89	11:51	WS-5	843.0	53.5	789.5	329	47.2
09/27/89	13:30	WS-9	766.0	49.5	716.5	434	48.9
09/27/89	15:07		END OF TEST				50.5
09/27/89	15:31	WS-10	815.0	49.0	766.0	380	50.9

000069

FIELD MEASUREMENT LOG

MUNICIPAL WATER (MW) -- LOW SOIL TEST

DATE	TIME	ROTOMETER READINGS (gpm) #1	#2	#3	#4	#5	#6	TOTAL	(lbs/hr)	HOURS FROM TIME ZERO	ESTIMATE OF WATER FED TO SYSTEM (lbs)
09/25/89	12:37				TIME ZERO					0	
09/25/89	15:28	1.20	1.00	1.00	2.70	0.70	0.00	6.60	3303	2.8	9413
09/25/89	17:01	1.20	1.15	0.40	2.20	0.75	0.00	5.70	2852	4.4	4421
09/25/89	19:24	1.20	1.01	0.80	2.20	0.75	0.00	5.96	2982	6.8	7108
09/25/89	21:25	1.20	1.05	0.75	2.50	0.75	0.00	6.25	3128	8.8	6307
09/25/89	23:05	1.25	1.15	0.00	2.60	0.75	0.00	5.75	2877	10.5	4795
09/26/89	01:14	1.25	1.08	0.00	2.25	0.78	0.00	5.36	2682	12.6	5767
09/26/89	02:01	1.25	1.10	0.00	2.25	0.80	0.00	5.40	2702	13.4	2117
09/26/89	03:10	1.28	1.10	0.00	2.17	0.80	0.00	5.35	2677	14.5	3079
09/26/89	04:00	1.29	1.10	0.00	2.10	0.80	0.00	5.29	2647	15.4	2206
09/26/89	05:13	1.28	1.10	0.00	2.22	0.78	0.00	5.38	2692	16.6	3275
09/26/89	06:04	1.25	1.09	0.00	2.22	0.78	0.00	5.34	2672	17.4	2271
09/26/89	07:06	1.27	1.08	0.00	2.00	0.78	0.00	5.13	2567	18.5	2653
09/26/89	08:00	1.21	1.08	0.00	2.00	0.79	0.00	5.08	2542	19.4	2288
09/26/89	10:05	1.20	1.05	0.00	2.00	0.75	0.00	5.00	2502	21.5	5212
09/26/89	11:12	1.20	1.10	0.00	1.90	0.78	0.00	4.98	2492	22.6	2783
09/26/89	13:51	1.20	1.00	0.00	1.80	0.74	0.00	4.74	2372	25.2	6286
09/26/89	15:53	1.10	1.00	0.72	1.60	0.70	0.00	5.12	2562	27.3	5209
09/26/89	17:04	1.20	1.05	0.60	1.60	0.72	0.00	5.17	2587	28.4	3061
09/26/89	18:43	1.20	1.05	0.60	1.60	0.75	0.00	5.20	2602	30.1	4293
09/26/89	20:48	1.35	1.10	0.75	0.00	0.75	0.00	3.95	1977	32.2	4118
09/26/89	23:18	1.15	1.05	0.85	2.00	0.70	0.00	5.75	2877	34.7	7193
09/27/89	00:27	1.20	1.08	0.00	1.20	0.78	0.00	4.26	2132	35.8	2451
09/27/89	02:31	1.20	1.08	0.55	1.60	0.75	0.00	5.18	2592	37.9	5357
09/27/89	04:20	1.20	1.05	0.55	1.30	0.79	0.00	4.89	2447	39.7	4445
09/27/89	07:01	1.25	1.08	0.00	2.00	0.57	0.00	4.90	2452	42.4	6579
09/27/89	11:29	1.20	1.16	0.66	0.00	0.58	0.00	3.60	1801	46.9	8046
09/27/89	12:30	1.20	1.15	0.58	0.00	0.58	0.00	3.51	1756	47.9	1786

000070

FIELD MEASUREMENT LOG

MUNICIPAL WATER (MW) -- LOW SOIL TEST

DATE	TIME	ROTOMETER READINGS (gpm) #1	#2	#3	#4	#5	#6	TOTAL	(lbs/hr)	HOURS FROM TIME ZERO	ESTIMATE OF WATER FED TO SYSTEM (lbs)
09/27/89	15:07				END OF TEST					50.5	
09/27/89	15:29	1.15	0.95	1.18	0.00	0.55	0.00	3.83	1917	50.9	5718

000071

FIELD MEASUREMENT LOG

FEED SOIL (FS) -- LOW SOIL TEST

DATE	TIME	SAMPLE ID	FS TOTAL (lbs)	RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)
09/25/89	12:37		TIME ZERO		0	
09/25/89	15:05	SWL-FS-01-01			2.5	70
09/25/89	15:28		535		2.8	
09/25/89	16:37	SWL-FS-01-01			4.0	60
09/25/89	17:00		1563	670	4.4	
09/25/89	18:31	SWL-FS-01-01			5.9	
09/25/89	19:22		2943	583	6.8	
09/25/89	21:04	SWL-FS-01-02			8.4	36
09/25/89	21:24		4128	583	8.8	
09/25/89	22:50	SWL-FS-01-02			10.2	36
09/25/89	23:03		5103	591	10.4	
09/26/89	00:37	SWL-FS-01-02			12.0	35
09/26/89	01:12		6269	542	12.6	
09/26/89	02:00		6808	674	13.4	
09/26/89	02:30	SWL-FS-01-03			13.9	34
09/26/89	03:10		7481	577	14.5	
09/26/89	04:00		7947	559	15.4	
09/26/89	04:34	SWL-FS-01-03			15.9	33
09/26/89	05:13		8682	604	16.6	
09/26/89	06:04		9166	569	17.4	
09/26/89	06:25	SWL-FS-01-03			17.8	33
09/26/89	07:06		9814	627	18.5	
09/26/89	08:00		10341	586	19.4	
09/26/89	09:00	SWL-FS-01-04			20.4	50
09/26/89	10:03		11560	595	21.4	
09/26/89	10:27	SWL-FS-01-04			21.8	50
09/26/89	11:12		12224	577	22.6	

000072

FIELD MEASUREMENT LOG

FEED SOIL (FS) -- LOW SOIL TEST

DATE	TIME	SAMPLE ID	FS TOTAL (lbs)	RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)
09/26/89	13:37	SWL-FS-01-04			25.0	62
09/26/89	13:50		13678	552	25.2	
09/26/89	15:14	SWL-FS-02-01			26.6	62
09/26/89	15:52		14878	590	27.2	
09/26/89	16:32	SWL-FS-02-01			27.9	64
09/26/89	17:03		15470	500	28.4	
09/26/89	18:15	SWL-FS-02-01			29.6	41
09/26/89	18:42		16315	512	30.1	
09/26/89	20:46		17459	554	32.2	
09/26/89	21:16	SWL-FS-02-02			32.6	50
09/26/89	22:44	SWL-FS-02-02			34.1	49
09/26/89	23:17		18687	488	34.7	
09/27/89	00:26		19174	423	35.8	
09/27/89	01:38	SWL-FS-02-02			37.0	46
09/27/89	02:30		19847	326	37.9	
09/27/89	02:45	SWL-FS-02-03			38.1	48
09/27/89	04:20		20399	301	39.7	
09/27/89	04:32	SWL-FS-02-03			39.9	46
09/27/89	06:43	SWL-FS-02-03			42.1	36
09/27/89	07:00		21209	304	42.4	
09/27/89	10:31		22171	274	45.9	
09/27/89	10:42	SWL-FS-02-04			46.1	52
09/27/89	11:23		22404	269	46.8	
09/27/89	12:03	SWL-FS-02-04			47.4	66
09/27/89	12:30		22700	265	47.9	
09/27/89	15:00	SWL-FS-02-04			50.4	74
09/27/89	15:07		END OF TEST		50.5	

000073

FIELD MEASUREMENT LOG

FEED SOIL (FS) -- LOW SOIL TEST

DATE	TIME	SAMPLE ID	FS TOTAL (lbs)	RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)
09/27/89	15:28		23422	243	50.8	

000074

FIELD MEASUREMENT LOG

FINE PARTICLE CAKE (FPC) -- LOW SOIL TEST

DATE	TIME	DRUM ID	DRUM + FPC (lbs)	DRUM TARE (lbs)	FINE PARTICLE CAKE (lbs)	RATE (lbs/hr)	HOURS FROM TIME ZERO
09/25/89	12:37		TIME ZERO			0	0
09/25/89	15:43	FPC-1	MISSING DATA				3.1
09/25/89	23:15	FPC-2 *	474.5	49.0	425.5	56	10.6
09/26/89	02:44	FPC-3	441.0	49.5	391.5	112	14.1
09/26/89	05:45	FPC-4	477.0	50.0	427.0	142	17.1
09/26/89	08:32	FPC-5	491.0	49.5	441.5	159	19.9
09/26/89	11:45	FPC-6	504.5	49.0	455.5	142	23.1
09/26/89	15:23	FPC-7	547.0	49.5	497.5	137	26.8
09/26/89	19:03	FPC-8	492.0	49.5	442.5	121	30.4
09/26/89	22:25	FPC-9	516.0	49.5	466.5	139	33.8
09/27/89	03:23	FPC-10	534.0	49.5	484.5	98	38.8
09/27/89	08:47	FPC-11	534.0	49.5	484.5	90	44.2
09/27/89	14:37	FPC-12	490.5	49.5	441.0	76	50.0
09/27/89	15:07						50.5

* Start-of-collection time is estimated

000075

FINE OVERSIZE (FO) -- LOW SOIL TEST

DATE	TIME	DRUM ID	DRUM + FO (lbs)	DRUM TARE (lbs)	FINE OVERSIZE (lbs)	RATE (lbs/hr)	HOURS FROM TIME ZERO
09/25/89	12:37						0
09/25/89	19:00	FO-X	MISSING DATA				6.4
09/26/89	10:25	FO-1	440.5	49.0	391.5	25	21.8
09/27/89	00:29	FO-2	452.0	49.5	402.5	29	35.9
09/27/89	?	FO-3	MISSING DATA				?
09/27/89	15:07						50.5

0000764

FIELD MEASUREMENT LOG

CATIONIC POLYMER (FLOC) -- LOW SOIL TEST

DATE	TIME	ROTAMETER #7 (gph)	FLOC DENSITY (lbs/gal)	TOTAL RATE (lbs/hr)	HOURS FROM TIME ZERO	ESTIMATED FLOC FLOW (lbs)	FLOC FLOW DURING TEST (lbs)	FLOC FLOW DURING TEST (gal)	FLOC FLOW DURING TEST (liters)
09/25/89	12:37		TIME ZERO		0				
09/25/89	15:28	38.00	8.34	317	2.8	903			
09/25/89	17:01	39.00	8.34	325	4.4	504			
09/25/89	19:24	44.00	8.34	367	6.8	875			
09/25/89	21:25	44.00	8.34	367	8.8	740			
09/25/89	23:05	44.00	8.34	367	10.5	612			
09/26/89	01:14	42.00	8.34	350	12.6	753			
09/26/89	02:01	44.00	8.34	367	13.4	287			
09/26/89	03:10	42.00	8.34	350	14.5	403			
09/26/89	04:00	42.00	8.34	350	15.4	292			
09/26/89	05:13	42.00	8.34	350	16.6	426			
09/26/89	06:04	40.00	8.34	334	17.4	284			
09/26/89	07:06	42.00	8.34	350	18.5	362			
09/26/89	08:00	42.00	8.34	350	19.4	315			
09/26/89	10:05	44.00	8.34	367	21.5	764			
09/26/89	11:12	44.00	8.34	367	22.6	410			
09/26/89	13:51	45.00	8.34	375	25.2	995			
09/26/89	15:53	40.00	8.34	334	27.3	678			
09/26/89	17:04	45.00	8.34	375	28.4	444			
09/26/89	18:43	37.00	8.34	309	30.1	509			
09/26/89	20:48	36.00	8.34	300	32.2	625			
09/26/89	23:18	44.00	8.34	367	34.7	917			
09/27/89	00:27	48.00	8.34	400	35.8	460			
09/27/89	02:31	46.00	8.34	384	37.9	793			
09/27/89	04:20	45.00	8.34	375	39.7	682			
09/27/89	07:01	44.00	8.34	367	42.4	985			
09/27/89	11:29	40.00	8.34	334	46.9	1490			

0000768

FIELD MEASUREMENT LOG

CATIONIC POLYMER (FLOC) -- LOW SOIL TEST

DATE	TIME	ROTAMETER #7 (gph)	FLOC DENSITY (lbs/gal)	TOTAL RATE (lbs/hr)	HOURS FROM TIME ZERO	ESTIMATED FLOC FLOW (lbs)	FLOC FLOW DURING TEST (lbs)	FLOC FLOW DURING TEST (gal)	FLOC FLOW DURING TEST (liters)
09/27/89	12:30	45.00	8.34	375	47.9	382			
09/27/89	15:07		END OF TEST		50.5				
09/27/89	15:29	45.00	8.34	375	50.9	1120			

000077

COARSE OVERSIZE (CO) -- LOW SOIL TEST

DATE	TIME	DRUM ID	DRUM + CO (lbs)	DRUM TARE (lbs)	COARSE OVERSIZE (lbs)	RATE (lbs/hr)	HOURS FROM TIME ZERO
09/25/89	12:37			TIME ZERO			0
09/25/89	12:40						0.0
09/25/89	18:15	CO-1	554.0	49.0	505.0	90	5.6
09/26/89	00:12	CO-1	462.0	49.0	413.0	69	11.6
09/26/89	06:46	CO-2	528.0	49.0	479.0	73	18.1
09/26/89	13:03	CO-3	546.5	49.5	497.0	79	24.4
09/26/89	19:40	CO-4	548.0	49.5	498.5	75	31.0
09/27/89	05:16	CO-5	597.0	49.5	547.5	57	40.6
09/27/89	15:07			END OF TEST			50.5
09/27/89	15:55	CO-6	607.5	49.5	558.0	52	51.3

000078

FIELD MEASUREMENT LOG

COMBINED DEWATERING EFFLUENT (CDE) -- LOW SOIL TEST

DATE	TIME	TANK NO.	TANK HEIGHT (ft)	ADJUSTED HEIGHT (ft)	CDE TANK VOLUME (gal)	----CDE RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	STEP-WISE CALCULATED CDE MASS (lbs)	BOUNDARY CALCULATED CDE MASS (lbs)	
								0			
09/25/89	12:37			TIME ZERO				2.8			
09/25/89	15:25	#2	1.823	1.807	1337			4.5	5072		
09/25/89	17:08	#2	2.375	2.359	1945	5.90	2955	6.6	6488		
09/25/89	19:10	#2	3.031	3.016	2723	6.38	3191	8.9	5256		
09/25/89	21:30	#2	3.542	3.526	3354	4.50	2253	10.4	4792		
09/25/89	23:03	#2	4.000	3.984	3928	6.18	3092	12.6	5445		
09/26/89	01:10	#2	4.521	4.505	4581	5.14	2572	13.5	2372		
09/26/89	02:05	#2	4.750	4.734	4865	5.17	2588	14.6	2981		
09/26/89	03:14	#2	5.042	5.026	5223	5.18	2592	15.5	1990		
09/26/89	04:04	#2	5.240	5.224	5462	4.77	2388	16.7	3274		
09/26/89	05:17	#2	5.573	5.557	5854	5.38	2691	17.5	2084		
09/26/89	06:07	#2	5.792	5.776	6104	5.00	2501	19.4	4870		
09/26/89	08:02	#2	6.333	6.318	6688	5.08	2541	21.9	5213	49837	49838
09/26/89	10:30	#2	7.000	6.984	7313	4.22	2113	22.5			
09/26/89	11:07	#1	0.500	0.479	193			25.2	6431		
09/26/89	13:49	#1	1.458	1.437	964	4.76	2382	27.2	5023		
09/26/89	15:52	#1	2.042	2.021	1566	4.90	2450	28.5	3113		
09/26/89	17:05	#1	2.375	2.354	1939	5.11	2559	30.1	3969		
09/26/89	18:42	#1	2.781	2.760	2415	4.91	2455	32.2	5181		
09/26/89	20:51	#1	3.292	3.271	3037	4.82	2410	34.7	5853		
09/26/89	23:21	#1	3.854	3.833	3738	4.68	2341	36.0	2729		
09/27/89	00:35	#1	4.115	4.094	4066	4.42	2213	38.0	4461		
09/27/89	02:34	#1	4.542	4.521	4600	4.49	2249	39.8	4610		
09/27/89	04:25	#1	4.990	4.969	5153	4.98	2492	42.5	5997		
09/27/89	07:04	#1	5.594	5.573	5872	4.52	2263	45.9	8328		
09/27/89	10:30	#1	6.521	6.500	6871	4.85	2426	46.7	2055		
09/27/89	11:22	#1	6.781	6.760	7117	4.74	2371				

000079

FIELD MEASUREMENT LOG

COMBINED DEWATERING EFFLUENT (CDE) -- LOW SOIL TEST

DATE	TIME	TANK NO.	TANK HEIGHT (ft)	ADJUSTED HEIGHT (ft)	CDE TANK VOLUME (gal)	----CDE RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	STEP-WISE CALCULATED CDE MASS (lbs)	BOUNDARY CALCULATED CDE MASS (lbs)
09/27/89	12:29	#1	7.146	7.125	7427	4.62	2314	47.9	2584	
09/27/89	12:52	#1	7.281	7.260	7530	4.46	2229	48.2	855 61188	61188
09/27/89	12:52	#2	3.573	3.557	3393			48.2		
09/27/89	15:07			END OF TEST				50.5		
09/27/89	15:27	#2	4.083	4.068	4033	4.13	2067	50.8	5340	5340

080000

FIELD MEASUREMENT LOG

ATS TREATED WATER (ATW) -- HIGH SOIL TEST

DATE	TIME	TANK NO	TANK HEIGHT (ft)	ADJUSTED HEIGHT (ft)	CDE TANK VOLUME (gal)	-----CDE RATE----- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	STEP-WISE CALCULATED CDE MASS (lbs)		BOUNDARY CALCULATED CDE MASS (lbs)
09/29/89	23:48			TIME ZERO				0			
09/30/89	01:17	#4	4.406	4.401	4451			1.5			
09/30/89	03:31	#4	4.000	3.995	3941	3.80	1903	3.7	4251		
09/30/89	05:11	#4	3.698	3.693	3562	3.79	1898	5.4	3163		
09/30/89	05:45	#4	3.625	3.620	3471	2.69	1344	6.0	761	8175	8175
09/30/89	05:45	#3	7.583	7.344	7589			6.0			
09/30/89	06:59	#3	7.229	6.990	7317	3.67	1834	7.2	2262		
09/30/89	09:35	#3	6.615	6.375	6746	3.66	1832	9.8	4763		
09/30/89	09:58	#3	6.583	6.344	6715	1.38	691	10.2	265		
09/30/89	10:47	#3	6.427	6.187	6553	3.30	1652	11.0	1349		
09/30/89	12:25	#3	6.125	5.885	6226	3.33	1668	12.6	2724		
09/30/89	15:05	#3	5.656	5.417	5690	3.35	1677	15.3	4471		
09/30/89	16:36	#3	5.417	5.177	5405	3.13	1566	16.8	2375		
09/30/89	18:51	#3	5.052	4.812	4962	3.29	1644	19.1	3700		
09/30/89	20:44	#3	4.708	4.469	4536	3.77	1888	20.9	3555		
10/01/89	01:15	#3	3.948	3.708	3582	3.52	1761	25.5	7956		
10/01/89	02:37	#3	3.708	3.469	3282	3.65	1827	26.8	2497		
10/01/89	04:43	#3	3.323	3.083	2806	3.78	1891	28.9	3971	39887	39887
10/01/89	07:09	#4	6.500	6.495	6866			31.4			
10/01/89	08:22	#4	6.240	6.234	6602	3.61	1809	32.6	2200		
10/01/89	10:08	#4	5.906	5.901	6244	3.38	1692	34.3	2989		
10/01/89	13:15	#4	5.333	5.328	5586	3.52	1761	37.5	5487		
10/01/89	15:17	#4	4.990	4.984	5172	3.39	1696	39.5	3448		
10/01/89	17:21	#4	4.667	4.661	4775	3.20	1602	41.6	3311		
10/01/89	19:27	#4	4.333	4.328	4360	3.30	1650	43.7	3466		
10/01/89	22:00	#4	3.938	3.932	3863	3.25	1625	46.2	4145		
10/01/89	23:40			SBR FEEDING PERIOD BEGINS				47.9			

000081

FIELD MEASUREMENT LOG

ATS TREATED WATER (ATW) -- HIGH SOIL TEST

DATE	TIME	TANK NO	TANK HEIGHT (ft)	ADJUSTED HEIGHT (ft)	CDE TANK VOLUME (gal)	-----CDE RATE----- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	STEP-WISE CALCULATED CDE MASS (lbs)		BOUNDARY CALCULATED CDE MASS (lbs)
10/02/89	00:22	#4	3.594	3.589	3432	3.04	1519	48.6	3595	28641	28641
10/03/89	07:33	#4	5.354	5.349	5610			79.8			
10/03/89	08:00			RESUME HIGH SOIL TEST				80.2			
10/03/89	10:25	#4	4.927	4.922	5096	2.99	1496	82.6	4290		
10/03/89	12:15	#4	4.635	4.630	4737	3.27	1635	84.5	2998		
10/03/89	14:50	#4	4.219	4.214	4216	3.36	1680	87.0	4341		
10/03/89	16:36	#4	3.979	3.974	3915	2.84	1421	88.8	2510		
10/03/89	19:26	#4	3.531	3.526	3354	3.30	1653	91.6	4683	18821	18821
10/03/89	21:30	#3	7.750	7.510	7697			93.7			
10/03/89	22:52	#3	7.396	7.156	7451	2.99	1496	95.1	2044		
10/03/89	23:39	#3	7.229	6.990	7317	2.85	1427	95.9	1118		
10/04/89	01:30	#3	6.875	6.635	7001	2.85	1425	97.7	2636		
10/04/89	03:35	#3	6.500	6.260	6629	2.98	1491	99.8	3105		
10/04/89	05:30	#3	6.167	5.927	6272	3.10	1552	101.7	2975		
10/04/89	07:31	#3	5.844	5.604	5908	3.01	1505	103.7	3036		
10/04/89	09:33	#3	5.510	5.271	5518	3.20	1603	105.8	3259		
10/04/89	10:28	#3	5.396	5.156	5380	2.49	1248	106.7	1144		
10/04/89	12:24	#3	5.135	4.896	5064	2.73	1364	108.6	2637		
10/04/89	14:04	#3	4.906	4.667	4782	2.82	1413	110.3	2355		
10/04/89	17:36	#3	4.542	4.302	4327	2.14	1073	113.8	3792		
10/04/89	19:38	#3	4.292	4.052	4013	2.57	1287	115.8	2617	30719	30719
10/04/89	21:25	#4	6.917	6.911	7251			117.6			
10/04/89	23:50	#4	6.510	6.505	6876	2.59	1295	120.0	3129		
10/05/89	01:48	#4	6.208	6.203	6569	2.60	1301	122.0	2558		
10/05/89	03:35	#4	5.958	5.953	6301	2.51	1255	123.8	2238		
10/05/89	05:38	#4	5.719	5.714	6033	2.18	1088	125.8	2231		
10/05/89	07:39	#4	5.479	5.474	5757	2.28	1142	127.9	2303		

000082

FIELD MEASUREMENT LOG

ATS TREATED WATER (ATW) -- HIGH SOIL TEST

DATE	TIME	TANK NO	TANK HEIGHT (ft)	ADJUSTED HEIGHT (ft)	CDE TANK VOLUME (gal)	CDE RATE (gpm)	CDE RATE (lbs/hr)	HOURS FROM TIME ZERO	STEP-WISE CALCULATED CDE MASS (lbs)		BOUNDARY CALCULATED CDE MASS (lbs)
10/05/89	10:45	#4	5.208	5.203	5437	1.72	863	131.0	2674		
10/05/89	14:50	#4	4.708	4.703	4827	2.49	1245	135.0	5086		
10/05/89	15:20	#4	4.604	4.599	4698	4.30	2154	135.5	1077	21296	21296
10/05/89	16:34	#3	7.323	7.083	7394			136.8			
10/05/89	17:28	#3	7.208	6.969	7300	1.74	872	137.7	785		
10/05/89	19:34	#3	6.875	6.635	7001	2.37	1186	139.8	2490		
10/05/89	21:26	#3	6.625	6.385	6757	2.18	1092	141.6	2039		
10/05/89	23:27	#3	6.417	6.177	6542	1.78	889	143.7	1793		
10/06/89	01:30	#3	6.146	5.906	6249	2.38	1190	145.7	2440		
10/06/89	03:29	#3	5.906	5.667	5980	2.26	1132	147.7	2246		
10/06/89	03:44			END OF TEST				147.9			
10/06/89	05:22	#3	5.771	5.531	5824	1.38	691	149.6	1301	13094	13094

000083

FIELD MEASUREMENT LOG

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

DATE	TIME	TANK NO.	TANK HEIGHT (ft)	ADJUSTED HEIGHT (ft)	CDE TANK VOLUME (gal)	-----CDE RATE----- (gal)	(lbs/hr)	HOURS FROM TIME ZERO	STEP-WISE CALCULATED CDE MASS (lbs)	BOUNDARY CALCULATED CDE MASS (lbs)
09/29/89	23:48			TIME ZERO				0		
09/30/89	01:17	#1	3.219	3.198	2947			1.5		
09/30/89	03:31	#1	3.677	3.656	3516	4.25	2127	3.7	4751	
09/30/89	05:11	#1	4.063	4.042	4000	4.84	2421	5.4	4035	
09/30/89	06:59	#1	4.510	4.490	4562	5.20	2601	7.2	4682	
09/30/89	09:35	#1	5.104	5.083	5292	4.68	2344	9.8	6095	
09/30/89	09:58	#1	5.146	5.125	5343	2.19	1095	10.2	420	
09/30/89	10:48	#1	5.281	5.260	5505	3.31	1659	11.0	1355	21338
09/30/89	10:48	#2	1.167	1.151	699			11.0		
09/30/89	12:25	#2	1.573	1.557	1081	3.90	1952	12.6	3189	
09/30/89	15:05	#2	2.188	2.172	1733	4.07	2038	15.3	5436	
09/30/89	16:36	#2	2.500	2.484	2090	3.92	1961	16.8	2974	
09/30/89	18:51	#2	2.979	2.964	2660	4.22	2114	19.1	4756	
09/30/89	20:44	#2	3.281	3.266	3030	3.28	1639	20.9	3087	
10/01/89	01:15	#2	4.156	4.141	4125	4.04	2021	25.5	9127	
10/01/89	02:37	#2	4.396	4.380	4425	3.66	1833	26.8	2505	
10/01/89	04:43	#2	4.833	4.818	4968	4.31	2158	28.9	4531	
10/01/89	07:09	#2	5.323	5.307	5561	4.06	2032	31.4	4943	
10/01/89	08:22	#2	5.583	5.568	5866	4.18	2093	32.6	2546	
10/01/89	10:08	#2	5.927	5.911	6255	3.67	1835	34.3	3243	
10/01/89	13:15	#2	6.667	6.651	7016	4.07	2036	37.5	6347	52684
10/01/89	13:15	#1	1.521	1.500	1025			37.5		
10/01/89	15:17	#1	1.906	1.885	1420	3.24	1621	39.5	3297	
10/01/89	17:21	#1	2.333	2.312	1892	3.81	1904	41.6	3935	
10/01/89	19:27	#1	2.750	2.729	2378	3.86	1931	43.7	4055	
10/01/89	22:00	#1	3.219	3.198	2947	3.72	1860	46.2	4742	
10/01/89	23:40			SBR FEEDING PERIOD BEGINS				47.9		

000084

FIELD MEASUREMENT LOG

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

DATE	TIME	TANK NO.	TANK HEIGHT (ft)	ADJUSTED HEIGHT (ft)	CDE TANK VOLUME (gal)	-----CDE RATE----- (gal)	(lbs/hr)	HOURS FROM TIME ZERO	STEP-WISE CALCULATED CDE MASS (lbs)	BOUNDARY CALCULATED CDE MASS (lbs)
10/02/89	00:22	#1	3.646	3.625	3477	3.74	1870	48.6	4425	20454
10/03/89	07:31	#2	2.490	2.474	2078			79.7		
10/03/89	08:00			RESUME HIGH SOIL TEST				80.2		
10/03/89	10:25	#2	3.000	2.984	2685	3.49	1748	82.6	5068	
10/03/89	12:15	#2	3.302	3.286	3056	3.37	1686	84.5	3090	
10/03/89	14:50	#2	3.760	3.745	3627	3.69	1845	87.0	4766	
10/03/89	19:26	#2	4.500	4.484	4555	3.36	1682	91.6	7737	
10/03/89	21:30	#2	4.823	4.807	4955	3.23	1616	93.7	3339	
10/03/89	22:52	#2	5.042	5.026	5223	3.26	1633	95.1	2231	
10/03/89	23:39	#2	5.167	5.151	5374	3.22	1609	95.9	1261	
10/04/89	01:29	#2	5.458	5.443	5721	3.15	1577	97.7	2891	
10/04/89	03:34	#2	5.833	5.818	6151	3.44	1722	99.8	3587	
10/04/89	05:29	#2	6.188	6.172	6536	3.35	1678	101.7	3215	
10/04/89	07:30	#2	6.604	6.589	6957	3.47	1738	103.7	3506	40691
10/04/89	09:33	#1	1.563	1.542	1066			105.8		
10/04/89	10:28	#1	1.698	1.677	1202	2.48	1241	106.7	1138	
10/04/89	12:24	#1	2.000	1.979	1521	2.75	1374	108.6	2657	
10/04/89	14:04	#1	2.260	2.240	1809	2.88	1443	110.3	2405	
10/04/89	17:36	#1	2.615	2.594	2218	1.93	964	113.8	3407	
10/04/89	19:38	#1	2.885	2.865	2540	2.64	1323	115.8	2691	
10/04/89	21:25	#1	3.156	3.135	2870	3.08	1541	117.6	2748	
10/04/89	23:50	#1	3.531	3.510	3334	3.20	1602	120.0	3872	
10/05/89	01:45	#1	3.813	3.792	3686	3.06	1532	122.0	2936	
10/05/89	03:32	#1	4.042	4.021	3974	2.69	1346	123.7	2401	
10/05/89	05:35	#1	4.313	4.292	4314	2.76	1383	125.8	2836	
10/05/89	07:42	#1	4.531	4.510	4588	2.15	1078	127.9	2281	
10/05/89	10:45	#1	4.844	4.823	4975	2.12	1059	131.0	3229	

000085

FIELD MEASUREMENT LOG

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

DATE	TIME	TANK NO.	TANK HEIGHT (ft)	ADJUSTED HEIGHT (ft)	CDE TANK VOLUME (gal)	-----CDE RATE----- (gal)	(lbs/hr)	HOURS FROM TIME ZERO	STEP-WISE CALCULATED CDE MASS (lbs)	BOUNDARY CALCULATED CDE MASS (lbs)
10/05/89	14:50	#1	5.521	5.500	5788	3.32	1661	135.0	6781	
10/05/89	15:20	#1	5.573	5.552	5848	2.02	1009	135.5	505	39885
10/05/89	15:20	#2	1.542	1.526	1050			135.5		
10/05/89	17:28	#2	1.792	1.776	1305	1.99	994	137.7	2120	
10/05/89	19:34	#2	2.083	2.068	1618	2.48	1243	139.8	2611	
10/05/89	21:26	#2	2.313	2.297	1874	2.29	1146	141.6	2139	
10/05/89	23:27	#2	2.542	2.526	2138	2.18	1093	143.7	2204	
10/06/89	01:29	#2	2.792	2.776	2434	2.42	1213	145.7	2466	
10/06/89	03:28	#2	3.031	3.016	2723	2.43	1217	147.7	2413	
10/06/89	03:44			END OF TEST				147.9		
10/06/89	05:22	#2	3.229	3.214	2966	2.13	1065	149.6	2023	15975

980086

FIELD MEASUREMENT LOG

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

DATE	TIME	DRUM ID	DRUM + CO (lbs)	DRUM TARE (lbs)	COARSE OVERSIZE (lbs)	RATE (lbs/hr)	HOURS FROM TIME ZERO
09/29/89	23:48		TIME ZERO				0
09/29/89	23:51						0.1
09/30/89	10:00	CO-8	477.0	49.5	427.5	42	10.2
09/30/89	19:15	CO-9	351.0	49.5	301.5	33	19.5
10/01/89	03:35	CO-10	466.0	49.0	417.0	50	27.8
10/01/89	12:53	CO-11	479.5	49.5	430.0	46	37.1
10/01/89	23:40		SBR FEEDING BEGINS				47.9
10/02/89	00:45	CO-12	482.5	49.0	433.5	37	49.0
10/03/89	03:47						76.0
10/03/89	05:35	CO-14	220.5	49.5	171.0	95	77.8
10/03/89	08:00		HIGH SOIL TEST RESUMES				80.2
10/03/89	11:16	CO-15	454.0	49.0	405.0	71	83.5
10/03/89	16:15	CO-16	429.0	49.5	379.5	76	88.5
10/03/89	21:10	CO-17	447.5	49.5	398.0	81	93.4
10/04/89	01:54	CO-18	452.0	49.5	402.5	85	98.1
10/04/89	07:45	CO-19	502.5	49.5	453.0	77	104.0
10/04/89	12:35	CO-20	460.0	49.5	410.5	85	108.8
10/04/89	18:20	CO-21	473.0	49.5	423.5	74	114.5
10/04/89	23:05	CO-22	374.5	49.5	325.0	68	119.3
10/05/89	07:31	CO-23	602.0	49.5	552.5	66	127.7
10/05/89	14:22	CO-24	471.0	49.5	421.5	62	134.6
10/05/89	17:48	CO-25	466.0	49.5	416.5	121	138.0
10/06/89	02:46	CO-26	560.0	49.5	510.5	57	147.0
10/06/89	03:44		TIME ZERO				147.9
10/06/89	04:03	CO-27	163.5	49.5	114.0	89	148.3

CO-8 DRUM TARE EST IS 49.5

000087

FIELD MEASUREMENT LOG

CATIONIC POLYMER (FLOC) -- HIGH SOIL TEST

DATE	TIME	ROTAMETER #7 (gph)	SOL'N DENSITY (lbs/gal)	TOTAL RATE (lbs/hr)	HOURS FROM TIME ZERO	ESTIMATED FLOC FLOW (lbs)	FLOC FLOW DURING TEST (lbs)	FLOC FLOW DURING TEST (gal)	FLOC FLOW DURING TEST (liters)
09/29/89	23:48	TIME ZERO			0				
09/30/89	01:16	40.00	8.34	334	1.5	489			
09/30/89	03:28	39.00	8.34	325	3.7	716			
09/30/89	05:06	32.00	8.34	267	5.3	436			
09/30/89	06:56	36.00	8.34	300	7.1	550			
09/30/89	11:08	40.00	8.34	334	11.3	1401			
09/30/89	12:23	40.00	8.34	334	12.6	417	4047		
09/30/89	12:30	irreg. perf. begins			12.7				
09/30/89	13:27	39.00	8.34	325	13.7	347			
09/30/89	15:10	42.00	8.34	350	15.4	601			
09/30/89	18:30	irreg. perf. ends			18.7				
09/30/89	20:40	37.00	8.34	309	20.9	1697			
09/30/89	22:44	36.00	8.34	300	22.9	620			
10/01/89	01:11	24.00	8.34	200	25.4	490			
10/01/89	02:38	36.00	8.34	300	26.8	435			
10/01/89	04:42	26.00	8.34	217	28.9	448			
10/01/89	07:08	36.00	8.34	300	31.3	731			
10/01/89	08:25	30.00	8.34	250	32.6	321			
10/01/89	10:05	32.00	8.34	267	34.3	445			
10/01/89	14:39	34.00	8.34	284	38.9	1295			
10/01/89	15:20	32.00	8.34	267	39.5	182			
10/01/89	16:29	31.00	8.34	259	40.7	297			
10/01/89	20:26	30.00	8.34	250	44.6	988			
10/01/89	22:28	29.00	8.34	242	46.7	492	7684		
10/01/89	23:40	SBR FEEDING BEGINS			47.9				
10/02/89	00:24	27.00	8.34	225	48.6	435			

880000

FIELD MEASUREMENT LOG

CATIONIC POLYMER (FLOC) -- HIGH SOIL TEST

DATE	TIME	ROTAMETER #7 (gph)	SOL'N DENSITY (lbs/gal)	TOTAL RATE (lbs/hr)	HOURS FROM TIME ZERO	ESTIMATED FLOC FLOW (lbs)	FLOC FLOW DURING TEST (lbs)	FLOC FLOW DURING TEST (gal)	FLOC FLOW DURING TEST (liters)
10/03/89	08:00	HIGH SOIL TEST BEGINS			80.2				
10/03/89	08:32	25.00	8.34	209	80.7	111			
10/03/89	10:31	28.00	8.34	234	82.7	463			
10/03/89	12:13	26.00	8.34	217	84.4	369			
10/03/89	14:49	25.00	8.34	209	87.0	542			
10/03/89	16:32	25.00	8.34	209	88.7	358			
10/03/89	18:08	26.00	8.34	217	90.3	347			
10/03/89	20:20	28.00	8.34	234	92.5	514			
10/03/89	21:55	28.00	8.34	234	94.1	370			
10/03/89	23:48	16.00	8.34	133	96.0	251			
10/04/89	01:28	24.00	8.34	200	97.7	334			
10/04/89	03:36	26.00	8.34	217	99.8	463			
10/04/89	05:34	26.00	8.34	217	101.8	426			
10/04/89	07:29	22.00	8.34	183	103.7	352			
10/04/89	10:24	34.00	8.34	284	106.6	827			
10/04/89	12:20	34.00	8.34	284	108.5	548			
10/04/89	13:57	30.00	8.34	250	110.2	404			
10/04/89	17:35	29.00	8.34	242	113.8	879			
10/04/89	19:57	28.00	8.34	234	116.2	553			
10/04/89	21:40	27.00	8.34	225	117.9	387			
10/04/89	23:45	28.00	8.34	234	120.0	487			
10/05/89	02:15	28.00	8.34	234	122.5	584			
10/05/89	04:30	27.00	8.34	225	124.7	507			
10/05/89	05:55	27.00	8.34	225	126.1	319			
10/05/89	10:39	38.00	8.34	317	130.9	1500			
10/05/89	11:36	30.00	8.34	250	131.8	238			

000089

FIELD MEASUREMENT LOG

CATIONIC POLYMER (FLOC) -- HIGH SOIL TEST

DATE	TIME	ROTAMETER #7 (gph)	SOL'N DENSITY (lbs/gal)	TOTAL RATE (lbs/hr)	HOURS FROM TIME ZERO	ESTIMATED FLOC FLOW (lbs)	FLOC FLOW DURING TEST (lbs)	FLOC FLOW DURING TEST (gal)	FLOC FLOW DURING TEST (liters)
10/05/89	14:46	28.00	8.34	234	135.0	739			
10/05/89	16:33	29.00	8.34	242	136.8	431			
10/05/89	18:28	29.00	8.34	242	138.7	464			
10/05/89	19:45	26.00	8.34	217	140.0	278			
10/05/89	23:12	27.00	8.34	225	143.4	777			
10/06/89	00:02	27.00	8.34	225	144.2	188			
10/06/89	01:28	26.00	8.34	217	145.7	311			
10/06/89	03:23	27.00	8.34	225	147.6	432			
10/06/89	03:44	END OF TEST			147.9		15829		

000090

FIELD MEASUREMENT LOG

FINE OVERSIZE (FO) -- HIGH SOIL TEST

DATE	TIME	DRUM ID	DRUM + FO (lbs)	DRUM TARE (lbs)	FINE OVERSIZE (lbs)	RATE (lbs/hr)	HOURS FROM TIME ZERO
09/29/89	23:43		COLLECTION OF FO-4 BEGINS				-0.1
09/29/89	23:48		TIME ZERO				0
09/30/89	19:10	FO-4	327.0	49.5	277.5	14	19.4
10/01/89	23:40		SBR FEEDING BEGINS				47.9
10/02/89	00:45	FO-5	446.0	49.5	396.5	13	49.0
10/03/89	05:25		COLLECTION OF FO-7 BEGINS				77.6
10/03/89	08:00		HIGH SOIL TEST RESUMES				80.2
10/04/89	04:13	FO-7	492.0	50.0	442.0	19	100.4
10/04/89	16:30	FO-8	523.0	49.0	474.0	39	112.7
10/05/89	11:12	FO-9	393.5	49.5	344.0	18	131.4
10/06/89	03:44		END OF TEST				147.9
10/06/89	03:58	FO-10	391.0	49.5	341.5	20	148.2

FO-6 contained material collected during prolonged periods of downtime. It was excluded from this table because it would provide no information useful in evaluating system performance.

000091

FIELD MEASUREMENT LOG

FINE PARTICLE CAKE (FPC) -- HIGH SOIL TEST

DATE	TIME	DRUM ID	DRUM + FPC (lbs)	DRUM (lbs)	FPC (lbs)	RATE (lbs/hr)	HOURS FROM TIME ZERO
09/29/89	23:48		TIME ZERO				
09/30/89	06:12	FPC-15	483.5	49.5	434.0	68	0.0
09/30/89	11:04	FPC-16	539.0	49.5	489.5	101	6.4
09/30/89	16:25	FPC-17	527.0	49.5	477.5	89	11.3
09/30/89	19:05	FPC-18	110.0	49.5	60.5	23	16.6
10/01/89	00:33	FPC-19	511.0	49.0	462.0	85	19.3
10/01/89	06:11	FPC-20	517.0	49.5	467.5	83	24.8
10/01/89	12:37	FPC-21	546.5	49.0	497.5	77	30.4
10/01/89	20:00	FPC-22	533.0	49.5	483.5	65	36.8
10/01/89	23:40		SBR FEEDING BEGINS				44.2
10/02/89	00:45	FPC-23	310.0	49.0	261.0	55	47.9
10/03/89	07:40						49.0
10/03/89	08:00		HIGH SOIL TEST RESUMES				79.9
10/03/89	14:57	FPC-24	603.0	49.5	553.5	76	87.2
10/03/89	19:42	FPC-25	595.0	49.5	545.5	115	91.9
10/03/89	23:25	FPC-26	521.0	49.5	471.5	127	95.6
10/04/89	04:42	FPC-27	539.5	49.5	490.0	93	100.9
10/04/89	09:37	FPC-28	549.5	49.5	500.0	102	105.8
10/04/89	15:45	FPC-29	552.0	49.5	502.5	82	112.0
10/04/89	21:52	FPC-30	433.0	49.5	383.5	63	118.1
10/05/89	05:53	FPC-31	563.5	49.5	514.0	64	126.1
10/05/89	15:20	FPC-32	579.0	49.5	529.5	56	135.5
10/05/89	21:40	FPC-33	508.5	49.5	459.0	72	141.9
10/06/89	03:44		END OF TEST				147.9
10/06/89	04:01	FPC-34	496.0	49.0	447.0	70	148.2

000092

FIELD MEASUREMENT LOG

FEED SOIL (FS) -- HIGH SOIL TEST

DATE	TIME	FEED TOTAL (lbs)	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO
09/29/89	23:48	TIME ZERO		0
09/30/89	01:15	2972		1.5
09/30/89	03:26	3661	316	3.6
09/30/89	05:05	4222	340	5.3
09/30/89	06:55	4788	309	7.1
09/30/89	10:04	5621	264	10.3
09/30/89	11:06	5951	319	11.3
09/30/89	12:19	6351	329	12.5
09/30/89	13:27	6713	319	13.7
09/30/89	15:05	7234	319	15.3
09/30/89	18:00	7486	86	18.2
09/30/89	18:53	7761	311	19.1
09/30/89	20:38	8326	323	20.8
09/30/89	22:43	9049	347	22.9
10/01/89	01:10	9810	311	25.4
10/01/89	02:34	10328	370	26.8
10/01/89	04:40	11007	323	28.9
10/01/89	07:07	11743	300	31.3
10/01/89	08:24	12151	318	32.6
10/01/89	10:04	12693	325	34.3
10/01/89	14:38	14090	306	38.8
10/01/89	15:20	14297	296	39.5
10/01/89	16:29	14525	198	40.7
10/01/89	20:25	15490	245	44.6
10/01/89	22:28	15790	146	46.7
10/01/89	23:40	SBR FEEDING BEGINS		47.9
10/02/89	00:23	16275	253	48.6
10/03/89	08:00	HIGH SOIL TEST RESUMES		80.2
10/03/89	08:31	20071		80.7

FIELD MEASUREMENT LOG

FEED SOIL (FS) -- HIGH SOIL TEST

DATE	TIME	FEED TOTAL (lbs)	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO
10/03/89	10:27	20722	337	82.7
10/03/89	12:13	21487	433	84.4
10/03/89	14:47	22588	429	87.0
10/03/89	16:32	23362	442	88.7
10/03/89	18:08	24069	442	90.3
10/03/89	20:20	25064	452	92.5
10/03/89	21:55	25776	450	94.1
10/03/89	23:48	26596	435	96.0
10/04/89	01:27	27379	475	97.7
10/04/89	03:35	28358	459	99.8
10/04/89	05:33	29174	415	101.8
10/04/89	07:29	30039	447	103.7
10/04/89	10:24	31403	468	106.6
10/04/89	12:20	32296	462	108.5
10/04/89	13:57	33193	555	110.2
10/04/89	15:40	33886	404	111.9
10/04/89	17:35	34434	342	113.8
10/04/89	19:57	35317	373	116.2
10/04/89	21:40	35909	345	117.9
10/04/89	23:45	36531	299	120.0
10/05/89	02:15	37398	347	122.5
10/05/89	04:30	38140	330	124.7
10/05/89	05:55	38624	342	126.1
10/05/89	10:39	40202	333	130.9
10/05/89	11:36	40407	216	131.8
10/05/89	14:46	41610	380	135.0
10/05/89	18:28	42921	354	138.7
10/05/89	19:45	43407	379	140.0
10/05/89	23:12	44584	341	143.4

FIELD MEASUREMENT LOG

FEED SOIL (FS) -- HIGH SOIL TEST

DATE	TIME	FEED TOTAL (lbs)	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO
10/06/89	00:02	44828	293	144.2
10/06/89	01:28	45398	398	145.7
10/06/89	03:22	46177	410	147.6
10/06/89	03:44	END OF TEST		147.9

FIELD MEASUREMENT LOG

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

DATE	TIME	----ROTOMETERS (gph)---- #5	#6	TOTAL	(lbs/hr)	HOURS FROM TIME ZERO	ESTIMATE OF WATER FED TO SYSTEM (lbs)
09/29/89	23:48	TIME ZERO				0	
09/30/89	01:16	0.45	0.00	0.45	225	1.5	330
09/30/89	03:28	0.56	0.00	0.56	280	3.7	616
09/30/89	05:06	0.50	0.00	0.50	250	5.3	409
09/30/89	06:56	0.52	0.00	0.52	260	7.1	477
09/30/89	11:08	0.35	0.00	0.35	175	11.3	736
09/30/89	12:23	0.30	0.50	0.80	400	12.6	500
09/30/89	13:28	0.30	0.30	0.60	300	13.7	325
09/30/89	15:10	0.30	0.00	0.30	150	15.4	255
09/30/89	20:40	0.50	0.00	0.50	250	20.9	1376
09/30/89	22:44	0.50	0.00	0.50	250	22.9	517
10/01/89	01:11	0.45	0.40	0.85	425	25.4	1042
10/01/89	02:39	0.55	0.32	0.87	435	26.9	639
10/01/89	04:42	0.50	0.00	0.50	250	28.9	513
10/01/89	07:08	0.51	0.00	0.51	255	31.3	621
10/01/89	08:25	0.45	0.00	0.45	225	32.6	289
10/01/89	10:06	0.43	0.35	0.78	390	34.3	657
10/01/89	14:39	0.30	0.35	0.65	325	38.9	1480
10/01/89	15:21	0.30	0.35	0.65	325	39.6	228
10/01/89	16:30	0.30	0.55	0.85	425	40.7	489
10/01/89	20:26	0.00	0.00	0.00	0	44.6	0
10/01/89	22:28	0.00	0.00	0.00	0	46.7	0
10/01/89	23:40	SBR FEEDING BEGINS				47.9	
10/02/89	00:24	0.00	0.60	0.60	300	48.6	220
10/03/89	08:00	HIGH SOIL TEST RESUMES				80.2	0
10/03/89	08:33	0.45	0.30	0.75	375	80.8	206
10/03/89	10:29	0.40	0.30	0.70	350	82.7	677
10/03/89	12:14	0.40	0.00	0.40	200	84.4	350

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FIELD MEASUREMENT LOG

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

DATE	TIME	----ROTOMETERS (gph)---- #5	#6	TOTAL	(lbs/hr)	HOURS FROM TIME ZERO	ESTIMATE OF WATER FED TO SYSTEM (lbs)
10/03/89	14:48	0.30	0.42	0.72	360	87.0	925
10/03/89	16:33	0.00	0.45	0.45	225	88.8	394
10/03/89	18:08	0.30	0.45	0.75	375	90.3	594
10/03/89	20:21	0.00	0.00	0.00	0	92.6	0
10/03/89	21:55	0.00	0.00	0.00	0	94.1	0
10/03/89	23:49	0.00	0.00	0.00	0	96.0	0
10/04/89	01:29	0.00	0.00	0.00	0	97.7	0
10/04/89	03:37	0.00	0.00	0.00	0	99.8	0
10/04/89	05:34	0.00	0.00	0.00	0	101.8	0
10/04/89	07:30	0.00	0.33	0.33	165	103.7	319
10/04/89	10:25	0.00	0.00	0.00	0	106.6	0
10/04/89	12:21	0.30	0.30	0.60	300	108.6	580
10/04/89	13:59	0.30	0.00	0.30	150	110.2	245
10/04/89	17:35	0.00	0.00	0.00	0	113.8	0
10/04/89	19:57	0.00	0.00	0.00	0	116.2	0
10/04/89	21:40	0.00	0.00	0.00	0	117.9	0
10/04/89	23:45	0.00	0.00	0.00	0	120.0	0
10/05/89	02:15	0.00	0.00	0.00	0	122.5	0
10/05/89	04:30	0.00	0.00	0.00	0	124.7	0
10/05/89	05:55	0.00	0.00	0.00	0	126.1	0
10/05/89	10:39	0.00	0.30	0.30	150	130.9	711
10/05/89	11:36	0.30	0.30	0.60	300	131.8	285
10/05/89	14:48	0.00	0.30	0.30	150	135.0	480
10/05/89	16:34	0.00	0.30	0.30	150	136.8	265
10/05/89	18:28	0.00	0.00	0.00	0	138.7	0
10/05/89	19:45	0.00	0.00	0.00	0	140.0	0
10/05/89	23:12	0.00	0.00	0.00	0	143.4	0
10/06/89	00:02	0.00	0.00	0.00	0	144.2	0

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FIELD MEASUREMENT LOG

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

DATE	TIME	----ROTOMETERS (gph)---- #5	#6	TOTAL	(lbs/hr)	HOURS FROM TIME ZERO	ESTIMATE OF WATER FED TO SYSTEM (lbs)
10/06/89	01:28	0.00	0.00	0.00	0	145.7	0
10/06/89	03:23	0.00	0.00	0.00	0	147.6	0
10/06/89	03:44	END OF TEST				147.9	0

860000

FIELD MEASUREMENT LOG

WASHED SOIL (WS) -- HIGH SOIL TEST

DATE	TIME	DRUM ID	DRUM + WS (lbs)	DRUM (lbs)	WS (lbs)	RATE (lbs/hr)	HOURS FROM TIME ZERO
09/29/89	23:28		BEGAN FILLING WS-X				-0.2
09/29/89	23:48		TIME ZERO				0
09/30/89	00:49	WS-X	797.0	62.0	735.0	621	1.0
09/30/89	02:26	WS-12	779.0	49.5	729.5	451	2.6
09/30/89	04:05	WS-X	803.0	57.5	745.5	452	4.3
09/30/89	05:41	WS-12	803.5	53.5	750.0	469	5.9
09/30/89	07:28	WS-X	854.5	55.5	799.0	448	7.7
09/30/89	09:20	WS-12	827.5	59.0	768.5	412	9.5
09/30/89	11:31	WS-X	864.0	54.0	810.0	371	11.7
09/30/89	13:21	WS-12	874.0	61.0	813.0	443	13.6
09/30/89	15:00	WS-X	877.5	70.5	807.0	489	15.2
09/30/89	18:50	WS-13	803.5	49.5	754.0	197	19.0
09/30/89	19:12	WS-14	224.0	49.5	174.5	476	19.4
09/30/89	20:45	WS-13	783.5	55.5	728.0	470	21.0
09/30/89	22:25	WS-15	783.5	49.5	734.0	440	22.6
09/30/89	23:52	WS-16	810.0	52.0	758.0	523	24.1
10/01/89	01:30	WS-15	829	60	769.0	471	25.7
10/01/89	03:11	WS-16	827.5	57	770.5	458	27.4
10/01/89	04:52	WS-15	838	54.5	783.5	465	29.1
10/01/89	06:42	WS-16	808	55	753.0	411	30.9
10/01/89	08:39	WS-15	865.5	53.5	812.0	416	32.9
10/01/89	10:21	WS-16	850.5	55	795.5	468	34.6
10/01/89	12:15	WS-15	881	53.5	827.5	436	36.5
10/01/89	14:10	WS-16	904.5	55.5	849.0	443	38.4
10/01/89	15:58	WS-15	836	57.5	778.5	433	40.2
10/01/89	18:50	WS-16	819.5	54	765.5	267	43.0
10/01/89	21:45	WS-15	767.5	60.5	707.0	242	46.0

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FIELD MEASUREMENT LOG

WASHED SOIL (WS) -- HIGH SOIL TEST

DATE	TIME	DRUM ID	DRUM + WS (lbs)	DRUM (lbs)	WS (lbs)	RATE (lbs/hr)	HOURS FROM TIME ZERO
10/01/89	23:40		SBR FEEDING BEGINS				47.9
10/01/89	23:45	WS-16	816	57.5	758.5	379	48.0
10/03/89	08:00		HIGH SOIL TEST RESUMES				80.2
10/03/89	08:39						80.9
10/03/89	10:20	WS-18	889.0	49.5	839.5	499	82.5
10/03/89	12:00	WS-14	890.5	53.5	837.0	502	84.2
10/03/89	13:42	WS-18	877.5	52.5	825.0	485	85.9
10/03/89	15:12	WS-14	891.0	78.5	812.5	542	87.4
10/03/89	16:44	WS-18	795.0	56.5	738.5	482	88.9
10/03/89	18:16	WS-19	860.0	49.0	811.0	529	90.5
10/03/89	19:53	WS-18	858.5	55.5	803.0	497	92.1
10/03/89	21:05	WS-19	756.0	53.5	702.5	585	93.3
10/03/89	22:30	WS-18	777.5	54.0	723.5	511	94.7
10/04/89	00:00	WS-19	821.0	54.0	767.0	511	96.2
10/04/89	01:20	WS-18	822.0	55.0	767.0	575	97.5
10/04/89	02:50	WS-20	819.5	49.5	770.0	513	99.0
10/04/89	04:25	WS-18	866.0	54.0	812.0	513	100.6
10/04/89	06:05	WS-20	857.0	55.0	802.0	481	102.3
10/04/89	07:32	WS-18	788	55	733.0	506	103.7
10/04/89	09:15	WS-20	940.5	56.0	884.5	515	105.5
10/04/89	10:42	WS-18	875	55	820.0	566	106.9
10/04/89	12:12	WS-20	908.5	54	854.5	570	108.4
10/04/89	13:35	WS-18	867	55.5	811.5	587	109.8
10/04/89	14:52	WS-20	888.5	57.5	831.0	648	111.1
10/04/89	16:48	WS-21	641	49.5	591.5	306	113.0
10/04/89	18:28	WS-20	834	55.5	778.5	467	114.7
10/04/89	20:05	WS-18	873.5	60	813.5	503	116.3

000100

FIELD MEASUREMENT LOG

WASHED SOIL (WS) -- HIGH SOIL TEST

DATE	TIME	DRUM ID	DRUM + WS (lbs)	DRUM (lbs)	WS (lbs)	RATE (lbs/hr)	HOURS FROM TIME ZERO
10/04/89	21:48	WS-20	833.5	54	779.5	454	118.0
10/04/89	23:55	WS-18	860	58	802.0	379	120.1
10/05/89	01:52	WS-20	859	57	802.0	411	122.1
10/05/89	03:37	WS-21	827	55.5	771.5	441	123.8
10/05/89	05:23	WS-20	842.5	58.5	784.0	444	125.6
10/05/89	07:02	WS-21	820	57.5	762.5	462	127.2
10/05/89	08:58	WS-22	910.5	50.5	860.0	445	129.2
10/05/89	10:47	WS-21	862	62.5	799.5	440	131.0
10/05/89	12:48	WS-22	850	53.5	796.5	395	133.0
10/05/89	14:37	WS-23	912.5	49.5	863.0	475	134.8
10/05/89	16:17	WS-22	893.5	61.5	832.0	499	136.5
10/05/89	17:55	WS-23	845	77	768.0	470	138.1
10/05/89	19:35	WS-22	846.5	53.5	793.0	476	139.8
10/05/89	21:22	WS-24	851.5	49.5	802.0	450	141.6
10/05/89	23:02	WS-22	824.5	55.5	769.0	461	143.2
10/06/89	00:48	WS-25	832	49.5	782.5	443	145.0
10/06/89	02:25	WS-22	862	55.5	806.5	499	146.6
10/06/89	03:44		END OF TEST				147.9
10/06/89	03:56	WS-25	842	65	777.0	512	148.1

Sample Collection Log
Combined Dewatering Effluent
Low Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
SWL-CDE-01-01	15:18	09/25/89	3000 ML	70
	16:45	09/25/89	3000 ML	60
	18:55	09/25/89	3000 ML	40
SWL-CDE-01-02	21:13	09/25/89	3000 ML	36
	22:53	09/25/89	3000 ML	36
	00:55	09/26/89	3000 ML	35
SWL-CDE-01-03	02:55	09/26/89	1000 ML	34
	04:51	09/26/89	1000 ML	33
	06:36	09/26/89	1000 ML	33
SWL-CDE-01-04	08:43	09/26/89	3000 ML	
	10:33	09/26/89	3000 ML	55
	13:23	09/26/89	3000 ML	61
SWL-CDE-02-01	15:32	09/26/89	3000 ML	62
	16:52	09/26/89	3000 ML	64
	18:10	09/26/89	3000 ML	40
SWL-CDE-02-02	21:31	09/26/89	3000 ML	50
	22:46	09/27/89	3000 ML	49
	01:35	09/27/89	3000 ML	46
SWL-CDE-02-03	03:05	09/27/89	3000 ML	48
	04:47	09/27/89	3000 ML	46
	06:35	09/27/89	3000 ML	36
SWL-CDE-02-04	11:03	09/27/89	3000 ML	52
	12:10	09/27/89	3000 ML	66
	14:51	09/27/89	3000 ML	74

Sample Collection Log
Coarse Oversize
Low Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
SWL-CO-01-01	15:12	9-25-89	1000 ML	70
	16:49	9-25-89	1000 ML	60
	19:00	9-25-89	1000 ML	57
SWL-CO-01-02	20:55	9-25-89	1000 ML	46
	22:55	9-25-89	1000 ML	45
	00:53	9-26-89	1000 ML	41
SWL-CO-01-03	02:50	9-26-89	1000 ML	37
	04:54	9-26-89	1000 ML	36
	06:40	9-26-89	1000 ML	34
SWL-CO-01-04	09:07	9-26-89	1000 ML	55
	10:20	9-26-89	1000 ML	55
	13:42	9-26-89	1000 ML	60
SWL-CO-02-01	15:10	9-26-89	1000 ML	62
	16:57	9-26-89	1000 ML	64
	18:26	9-26-89	1000 ML	57
SWL-CO-02-02	21:34	9-26-89	1000 ML	50
	22:50	9-26-89	1000 ML	49
	01:32	9-27-89	1000 ML	45
SWL-CO-02-03	02:58	9-27-89	1000 ML	48
	04:49	9-27-89	1000 ML	46
	06:39	9-27-89	1000 ML	45
SWL-CO-02-04	10:45	9-27-89	1000 ML	52
	12:07	9-27-89	1000 ML	66
	14:44	9-27-89	1000 ML	74

Sample Collection Log
Fine Oversize
Low Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
SWL-FO-01-01	14:44	9-25-89	1000 ML	70
	16:45	9-25-89	1000 ML	60
	18:44	9-25-89	1000 ML	40
SWL-FO-01-02	21:07	9-25-89	1000 ML	36
	22:45	9-25-89	1000 ML	36
	00:39	9-26-89	1000 ML	35
SWL-FO-01-03	02:35	9-26-89	1000 ML	34
	04:40	9-26-89	1000 ML	33
	06:28	9-26-89	1000 ML	33
SWL-FO-01-04	08:45	9-26-89	1000 ML	55
	10:37	9-26-89	1000 ML	55
	13:15	9-26-89	1000 ML	60
SWL-FO-02-01	15:28	9-26-89	1000 ML	62
	16:43	9-26-89	1000 ML	64
	18:01	9-26-89	1000 ML	40
SWL-FO-02-02	21:20	9-26-89	1000 ML	50
	22:37	9-26-89	1000 ML	49
	01:20	9-27-89	1000 ML	48
SWL-FO-02-03	02:49	9-27-89	1000 ML	48
	04:36	9-27-89	1000 ML	46
	06:24	9-27-89	1000 ML	36
SWL-FO-02-04	11:19	9-27-89	1000 ML	52
	12:25	9-27-89	1000 ML	66
	15:07	9-27-89	1000 ML	74

Sample Collection Log
Fine Particle Cake
Low Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
SWL-FPC-01-01	14:51	9-25-89	1000 ML	70
	16:50	9-25-89	1000 ML	60
	18:49	9-25-89	1000 ML	40
SWL-FPC-01-02	21:15	9-25-89	1000 ML	36
	22:40	9-25-89	1000 ML	36
	00:49	9-26-89	1000 ML	35
SWL-FPC-01-03	02:46	9-26-89	1000 ML	34
	04:49	9-26-89	1000 ML	33
	06:38	9-26-89	1000 ML	33
SWL-FPC-01-04	08:40	9-26-89	1000 ML	55
	10:30	9-26-89	1000 ML	55
	13:23	9-26-89	1000 ML	60
SWL-FPC-02-01	15:19	9-26-89	1000 ML	62
	16:48	9-26-89	1000 ML	64
	18:18	9-26-89	1000 ML	40
SWL-FPC-02-02	21:27	9-26-89	1000 ML	50
	22:48	9-26-89	1000 ML	49
	01:25	9-27-89	1000 ML	48
SWL-FPC-02-03	02:51	9-27-89	1000 ML	48
	04:45	9-27-89	1000 ML	46
	06:37	9-27-89	1000 ML	36
SWL-FPC-02-04	10:53	9-27-89	1000 ML	52
	12:16	9-27-89	1000 ML	66
	14:56	9-27-89	1000 ML	74

Sample Collection Log
Feed Soil
Low Soil Test

SAMPLE ID	TIME	DATE	COMMENTS		TEMP -F-
SWL-FS-01-01	15:05	9-25-89	1000	ML	70
	16:37	9-25-89	1000	ML	60
	18:31	9-25-89	1000	ML	
SWL-FS-01-02	21:04	9-25-89	1000	ML	36
	22:50	9-25-89	1000	ML	36
	00:37	9-26-89	1000	ML	35
SWL-FS-01-03	02:30	9-26-89	1000	ML	34
	04:34	9-26-89	1000	ML	33
	06:25	9-26-89	1000	ML	33
SWL-FS-01-04	09:00	9-26-89	1000	ML	50
	10:27	9-26-89	1000	ML	50
	13:37	9-26-89	1000	ML	62
SWL-FS-02-01	15:14	9-26-89	1000	ML	62
	16:32	9-26-89	1000	ML	64
	18:15	9-26-89	1000	ML	41
SWL-FS-02-02	21:16	9-26-89	1000	ML	50
	22:44	9-26-89	1000	ML	49
	01:38	9-26-89	1000	ML	46
SWL-FS-02-03	02:45	9-26-89	1000	ML	48
	04:32	9-26-89	1000	ML	46
	06:43	9-26-89	1000	ML	36
SWL-FS-02-04	10:42	9-26-89	1000	ML	52
	12:03	9-26-89	1000	ML	66
	15:00	9-26-89	1000	ML	74

Sample Collection Log
Municipal Water
Low Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
SWL-MW-01-01	15:24	09/25/89	3000 ML	70
	19:05	09/25/89	3000 ML	40
	23:00	09/25/89	3000 ML	36
SWL-MW-01-02	02:52	09/26/89	3000 ML	34
	06:43	09/26/89	3000 ML	33
	10:47	09/26/89	3000 ML	
SWL-MNW-02-01	15:05	09/26/89	3000 ML	60
	18:30	09/26/89	3000 ML	40
	22:49	09/26/89	3000 ML	49
SWL-MW-02-02	02:58	09/27/89	3000 ML	48
	06:40	09/27/89	3000 ML	36
	11:05	09/27/89	3000 ML	40

Sample Collection Log
Washed Soil
Low Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
SWL-WS-01-01	14:37	9-25-89	1000 ML	70
	16:40	9-25-89	1000 ML	60
	18:37	9-25-89	1000 ML	
SWL-WS-01-02	21:04	9-25-89	1000 ML	45
	22:50	9-25-89	1000 ML	44
	00:37	9-26-89	1000 ML	40
SWL-WS-01-03	02:33	9-26-89	1000 ML	36
	04:37	9-26-89	1000 ML	35
	06:27	9-26-89	1000 ML	33
SWL-WS-01-04	08:53	9-26-89	1000 ML	55
	10:43	9-26-89	1000 ML	55
	13:08	9-26-89	1000 ML	60
SWL-WS-02-01	15:36	9-26-89	1000 ML	63
	16:36	9-26-89	1000 ML	64
	17:59	9-26-89	1000 ML	56
SWL-WS-02-02	21:25	9-26-89	1000 ML	50
	22:34	9-26-89	1000 ML	49
	01:10	9-27-89	1000 ML	48
SWL-WS-02-03	02:46	9-27-89	1000 ML	48
	02:35	9-27-89	1000 ML	46
	06:33	9-27-89	1000 ML	44
SWL-WS-02-04	10:49	9-27-89	1000 ML	52
	12:12	9-27-89	1000 ML	66
	14:47	9-27-89	1000 ML	74

Sample Collection Log
ATS Treated Water
High Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
SWH-ATW-01-01	02:08	09/30/89	3000 ML	55
	05:28	09/30/89	3000 ML	52
	10:23	09/30/89	3000 ML	68
SWH-ATW-01-02	20:08	09/30/89	3000 ML	75
	22:13	09/30/89	3000 ML	70
	00:07	10/01/89	3000 ML	64
SWH-ATW-02-01	04:12	10/01/89	3000 ML	61
	07:55	10/01/89	3000 ML	61
	11:47	10/01/89	3000 ML	79
SWH-ATW-02-02	15:52	10/01/89	3000 ML	90
	20:04	10/01/89	3000 ML	68
	23:40	10/01/89	3000 ML	50
SWH-ATW-04-01	11:54	10/03/89	3000 ML	55
	16:11	10/03/89	3000 ML	50
	20:13	10/03/89	3000 ML	43
SWH-ATW-04-02	23:12	10/03/89	3000 ML	39
	03:48	10/04/89	3000 ML	28
	07:36	10/04/89	3000 ML	30
SWH-ATW-05-01	11:57	10/04/89	3000 ML	63
	17:57	10/04/89	3000 ML	54
	21:28	10/04/89	3000 ML	50
SWH-ATW-05-02	01:32	10/05/89	3000 ML	46
	06:06	10/05/89	3000 ML	46
	10:05	10/05/89	3000 ML	52
SWH-ATW-06-01	14:34	10/05/89	3000 ML	64
	17:40	10/05/89	3000 ML	54
	21:48	10/05/89	3000 ML	50
SWH-ATW-06-02	01:39	10/06/89	4500 ML	46
	03:34	10/06/89	4500 ML	43

Sample Collection Log
Combined Dewatering Effluent
High Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
SWH-CDE-01-01	02:03	09/30/89	3000 ML	55
	03:42	09/30/89	3000 ML	54
	05:15	09/30/89	3000 ML	52
SWH-CDE-01-02	07:16	09/30/89	3000 ML	53
	10:39	09/30/89	3000 ML	70
	11:58	09/30/89	3000 ML	77
SWH-CDE-01-04	20:00	09/30/89	3000 ML	75
	21:50	09/30/89	3000 ML	70
	23:59	10/01/89	3000 ML	64
SWH-CDE-02-01	02:10	10/01/89	3000 ML	63
	03:57	10/01/89	3000 ML	61
	05:53	10/01/89	3000 ML	61
SWH-CDE-02-02	07:58	10/01/89	3000 ML	61
	09:43	10/01/89	3000 ML	70
	10:40	10/01/89	4500 ML	78
SWH-CDE-02-03	14:02	10/01/89	3000 ML	85
	15:41	10/01/89	3000 ML	90
	17:42	10/01/89	3000 ML	82
SWH-CDE-02-04	20:06	10/01/89	3000 ML	68
	22:21	10/01/89	3000 ML	54
	23:32	10/01/89	3000 ML	50
SWH-CDE-04-01	10:08	10/03/89	3000 ML	37
	11:51	10/03/89	3000 ML	55
	14:31	10/03/89	3000 ML	46
SWH-CDE-04-02	16:12	10/03/89	3000 ML	50
	17:39	10/03/89	3000 ML	48
	20:05	10/03/89	3000 ML	43
SWH-CDE-04-03	22:17	10/03/89	3000 ML	37
	23:07	10/03/89	3000 ML	39
	01:52	10/04/89	3000 ML	34
SWH-CDE-04-04	03:58	10/04/89	3000 ML	28
	06:00	10/04/89	3000 ML	28
	07:45	10/04/89	3000 ML	30
SWH-CDE-05-01	10:08	10/04/89	3000 ML	46
	12:12	10/04/89	3000 ML	61
	13:40	10/04/89	3000 ML	59
SWH-CDE-05-02	18:02	10/04/89	3000 ML	54
	19:47	10/04/89	3000 ML	52
	21:26	10/04/89	3000 ML	50
SWH-CDE-05-03	23:37	10/04/89	3000 ML	48
	01:25	10/05/89	3000 ML	46
	03:45	10/05/89	3000 ML	48
SWH-CDE-05-04	06:14	10/05/89	1000 ML	46

Sample Collection Log
Combined Dewatering Effluent
High Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
	07:49	10/05/89	1000 ML	46
	10:12	10/05/89	1000 ML	52
SWH-CDE-06-01	11:58	10/05/89	3000 ML	66
	14:25	10/05/89	3000 ML	64
	15:56	10/05/89	3000 ML	55
SWH-CDE-06-02	17:47	10/05/89	3000 ML	54
	19:22	10/05/89	3000 ML	50
	22:08	10/05/89	3000 ML	50
SWH-CDE-06-03	23:37	10/05/89	3000 ML	48
	01:45	10/06/89	3000 ML	46
	03:42	10/06/89	3000 ML	43

Sample Collection Log
Coarse Oversize
High Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
SWH-CO-01-01	02:10	9-30-89	1000 ML	55
	03:44	9-30-89	1000 ML	54
	05:32	9-30-89	1000 ML	52
SWH-CO-01-02	07:20	9-30-89	1000 ML	53
	10:25	9-30-89	1000 ML	70
	11:55	9-30-89	1000 ML	78
SWH-CO-01-04	20:06	9-30-89	1000 ML	75
	22:08	9-30-89	1000 ML	70
	00:32	10-01-89	1000 ML	64
SWH-CO-02-01	02:15	10-01-89	1000 ML	63
	04:05	10-01-89	1000 ML	61
	05:49	10-01-89	1000 ML	61
SWH-CO-02-02	07:50	10-01-89	1000 ML	61
	09:48	10-01-89	1000 ML	70
	11:48	10-01-89	1000 ML	78
SWH-CO-02-03	13:56	10-01-89	1000 ML	85
	16:00	10-01-89	1000 ML	90
	17:49	10-01-89	1000 ML	82
SWH-CO-02-04	20:00	10-01-89	1000 ML	68
	22:14	10-01-89	1000 ML	54
	23:38	10-01-89	1000 ML	50
SWH-CO-04-01	10:01	10-03-89	1000 ML	37
	11:57	10-03-89	1000 ML	55
	14:35	10-03-89	1000 ML	46
SWH-CO-04-02	16:19	10-03-89	1000 ML	50
	17:43	10-03-89	1000 ML	48
	20:04	10-03-89	1000 ML	43
SWH-CO-04-03	22:15	10-03-89	1000 ML	37
	23:08	10-03-89	1000 ML	39
	01:56	10-04-89	1000 ML	34
SWH-CO-04-04	03:46	10-04-89	1000 ML	28
	06:02	10-04-89	1000 ML	28
	07:36	10-04-89	1000 ML	30
SWH-CO-05-01	10:04	10-04-89	1000 ML	46
	11:59	10-04-89	1000 ML	63
	13:35	10-04-89	1000 ML	59
SWH-CO-05-02	17:53	10-04-89	1000 ML	54
	19:53	10-04-89	1000 ML	52
	21:30	10-04-89	1000 ML	50
SWH-CO-05-03	23:41	10-04-89	1000 ML	48
	01:26	10-05-89	1000 ML	46
	03:40	10-05-89	1000 ML	48
SWH-CO-05-04	06:02	10-05-89	1000 ML	46

Sample Collection Log
Coarse Oversize
High Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
	07:26	10-05-89	1000 ML	46
	10:12	10-05-89	1000 ML	52
SWH-CO-06-01	11:55	10-05-89	1000 ML	66
	14:30	10-05-89	1000 ML	66
	15:51	10-05-89	1000 ML	55
SWH-CO-06-02	17:47	10-05-89	1000 ML	54
	19:26	10-05-89	1000 ML	52
	21:48	10-05-89	1000 ML	50
SWH-CO-06-03	23:39	10-05-89	1000 ML	48
	01:42	10-06-89	1000 ML	46
	03:39	10-06-89	1000 ML	43

Sample Collection Log
Fine Oversize
High Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
SWH-FO-01-01	01:52	9-30-89	1000 ML	55
	03:38	9-30-89	1000 ML	54
	05:14	9-30-89	1000 ML	52
SWH-FO-01-02	07:06	9-30-89	1000 ML	53
	11:00	9-30-89	1000 ML	74
	12:09	9-30-89	1000 ML	78
SWH-FO-01-04	19:50	9-30-89	1000 ML	75
	21:55	9-30-89	1000 ML	70
	00:12	10-01-89	1000 ML	64
SWH-FO-02-01	01:52	10-01-89	1000 ML	63
	03:40	10-01-89	1000 ML	61
	05:55	10-01-89	1000 ML	61
SWH-FO-02-02	08:02	10-01-89	1000 ML	61
	09:58	10-01-89	700 ML	70
	12:07	10-01-89	700 ML	79
SWH-FO-02-03	14:17	10-01-89	750 ML	85
	16:22	10-01-89	700 ML	90
	17:30	10-01-89	700 ML	82
SWH-FO-02-04	19:50	10-01-89	700 ML	79
	22:27	10-01-89	700 ML	54
	23:28	10-01-89	700 ML	50
SWH-FO-04-01	10:18	10-03-89	1000 ML	41
	12:08	10-03-89	850 ML	59
	14:42	10-03-89	700 ML	46
SWH-FO-04-02	16:27	10-03-89	650 ML	50
	17:37	10-03-89	700 ML	48
	20:11	10-03-89	700 ML	43
SWH-FO-04-03	22:10	10-03-89	700 ML	37
	23:01	10-03-89	700 ML	39
	01:43	10-04-89	700 ML	34
SWH-FO-04-04	03:47	10-04-89	1000 ML	28
	06:00	10-04-89	1000 ML	28
	07:36	10-04-89	1000 ML	30
SWH-FO-05-01	10:12	10-04-89	700 ML	46
	12:07	10-04-89	700 ML	63
SWH-FO-05-02	17:59	10-04-89	700 ML	54
	19:44	10-04-89	700 ML	52
	21:20	10-04-89	700 ML	50
SWH-FO-05-03	23:34	10-04-89	700 ML	48
	01:25	10-05-89	850 ML	46
	03:40	10-05-89	1000 ML	48
SWH-FO-05-04	06:00	10-05-89	900 ML	46
	07:28	10-05-89	850 ML	46

Sample Collection Log
Fine Oversize
High Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
	10:27	10-05-89	700 ML	52
SWH-FO-06-01	12:12	10-05-89	1000 ML	66
	14:38	10-05-89	650 ML	64
	16:07	10-05-89	1000 ML	55
SWH-FO-06-02	17:40	10-05-89	700 ML	54
	19:21	10-05-89	700 ML	52
	21:53	10-05-89	700 ML	50
SWH-FO-06-03	23:33	10-05-89	1000 ML	48
	01:39	10-06-89	1000 ML	46
	03:31	10-06-89	1000 ML	43

Sample Collection Log
Fine Particle Cake
High Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
SWH-FPC-01-01	02:05	9-30-89	1000 ML	39
	03:45	9-30-89	1000 ML	39
	05:16	9-30-89	1000 ML	38
SWH-FPC-01-02	07:17	9-30-89	1000 ML	38
	10:34	9-30-89	1000 ML	70
	12:04	9-30-89	1000 ML	46
SWH-FPC-01-04	19:40	9-30-89	1000 ML	45
	22:05	9-30-89	1000 ML	44
	00:27	10-01-89	1000 ML	42
SWH-FPC-02-01	02:03	10-01-89	1000 ML	41
	04:00	10-01-89	1000 ML	41
	06:07	10-01-89	1000 ML	41
SWH-FPC-02-02	08:13	10-01-89	1000 ML	41
	09:58	10-01-89	1000 ML	70
	11:50	10-01-89	1000 ML	78
SWH-FPC-02-03	14:20	10-01-89	1000 ML	85
	16:07	10-01-89	1000 ML	90
	17:47	10-01-89	1000 ML	82
SWH-FPC-02-04	19:55	10-01-89	1000 ML	43
	22:24	10-01-89	1000 ML	39
	23:35	10-01-89	1000 ML	50
SWH-FPC-04-01	10:04	10-03-89	1000 ML	34
	11:58	10-03-89	1000 ML	39
	14:28	10-03-89	1000 ML	36
SWH-FPC-04-02	16:15	10-03-89	1000 ML	38
	17:38	10-03-89	1000 ML	37
	20:09	10-03-89	1000 ML	35
SWH-FPC-04-03	22:12	10-03-89	1000 ML	34
	23:02	10-03-89	1000 ML	34
	01:53	10-04-89	1000 ML	33
SWH-FPC-04-04	03:55	10-04-89	1000 ML	31
	06:08	10-04-89	1000 ML	31
	07:46	10-04-89	1000 ML	31
SWH-FPC-05-01	10:10	10-04-89	1000 ML	36
	12:14	10-04-89	1000 ML	40
	13:42	10-04-89	1000 ML	40
SWH-FPC-05-02	18:00	10-04-89	1000 ML	39
	19:50	10-04-89	1000 ML	38
	21:31	10-04-89	1000 ML	38
SWH-FPC-05-03	23:39	10-04-89	1000 ML	37
	01:38	10-05-89	1000 ML	36
	03:47	10-05-89	1000 ML	37
SWH-FPC-05-04	06:09	10-05-89	1000 ML	36

Sample Collection Log
Fine Particle Cake
High Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
	07:33	10-05-89	1000 ML	36
	10:17	10-05-89	1000 ML	38
SWH-FPC-06-01	12:02	10-05-89	1000 ML	43
	14:33	10-05-89	1000 ML	42
	15:53	10-05-89	1000 ML	41
SWH-FPC-06-02	17:43	10-05-89	1000 ML	39
	19:23	10-05-89	1000 ML	38
	22:05	10-05-89	1000 ML	38
SWH-FPC-06-03	23:42	10-05-89	1000 ML	37
	01:47	10-06-89	1000 ML	36
	03:37	10-06-89	1000 ML	35

Sample Collection Log
Feed Soil
High Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
SWH-FS-01-01	01:48	9-30-89	1000 ML	55
	03:37	9-30-89	1000 ML	54
	05:09	9-30-89	1000 ML	52
SWH-FS-01-02	07:02	9-30-89	1000 ML	53
	10:18	9-30-89	1000 ML	
	11:50	9-30-89	1000 ML	
SWH-FS-01-04	19:36	9-30-89	1000 ML	75
	22:11	9-30-89	1000 ML	70
	00:24	10-01-89	1000 ML	64
SWH-FS-02-01	01:49	10-01-89	1000 ML	63
	03:58	10-01-89	1000 ML	61
	05:44	10-01-89	1000 ML	61
SWH-FS-02-02	07:52	10-01-89	1000 ML	61
	09:40	10-01-89	1000 ML	70
	11:42	10-01-89	1000 ML	79
SWH-FS-02-03	13:50	10-01-89	1000 ML	85
	15:47	10-01-89	1000 ML	90
	17:44	10-01-89	1000 ML	82
SWH-FS-02-04	19:46	10-01-89	1000 ML	79
	22:16	10-01-89	1000 ML	54
	23:28	10-01-89	1000 ML	50
SWH-FS-04-01	10:00	10-03-89	1000 ML	37
	11:52	10-03-89	1000 ML	55
	14:26	10-03-89	1000 ML	46
SWH-FS-04-02	16:13	10-03-89	1000 ML	50
	17:36	10-03-89	1000 ML	48
	19:59	10-03-89	1000 ML	43
SWH-FS-04-03	22:08	10-03-89	1000 ML	37
	23:09	10-03-89	1000 ML	39
	01:39	10-04-89	1000 ML	34
SWH-FS-04-04	03:44	10-04-89	1000 ML	28
	06:03	10-04-89	1000 ML	28
	07:42	10-04-89	1000 ML	30
SWH-FS-05-01	10:03	10-04-89	1000 ML	45
	11:59	10-04-89	1000 ML	63
	13:38	10-04-89	1000 ML	59
SWH-FS-05-02	17:52	10-04-89	1000 ML	54
	19:43	10-04-89	1000 ML	52
	21:36	10-04-89	1000 ML	50
SWH-FS-05-03	23:33	10-04-89	1000 ML	48
	01:29	10-05-89	1000 ML	46
	03:50	10-05-89	1000 ML	48
SWH-FS-05-04	06:00	10-05-89	1000 ML	46

Sample Collection Log
Feed Soil
High Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
	07:30	10-05-89	1000 ML	46
	10:10	10-05-89	1000 ML	52
SWH-FS-06-01	11:51	10-05-89	1000 ML	64
	14:28	10-05-89	1000 ML	64
	15:49	10-05-89	1000 ML	55
SWH-FS-06-02	17:36	10-05-89	1000 ML	54
	19:18	10-05-89	1000 ML	52
	22:02	10-05-89	1000 ML	50
SWH-FS-06-03	23:34	10-05-89	1000 ML	48
	01:37	10-06-89	1000 ML	46
	03:31	10-06-89	1000 ML	43

Sample Collection Log
Municipal Water
High Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
SWH-MW-01-01	02:12	09/30/89	3000 ML	55
	05:30	09/30/89	3000 ML	52
	10:19	09/30/89	3000 ML	68
SWH-MW-01-02	20:02	09/30/89	3000 ML	75
	22:19	09/30/89	3000 ML	70
	00:03	10/01/89	3000 ML	64
SWH-MW-02-01	04:08	10/01/89	3000 ML	61
	07:49	10/01/89	3000 ML	61
	10:36	10/01/89	3000 ML	78
SWH-MW-02-02	15:39	10/01/89	3000 ML	90
	20:06	10/01/89	3000 ML	68
	23:38	10/01/89	3000 ML	50
SWH-MW-04-01	11:54	10/03/89	3000 ML	55
	16:11	10/03/89	3000 ML	50
	20:13	10/03/89	3000 ML	43
SWH-MW-04-02	23:01	10/03/89	3000 ML	39
	03:50	10/04/89	3000 ML	28
	07:40	10/04/89	3000 ML	30
SWH-MW-05-01	12:03	10/04/89	3000 ML	63
	17:56	10/04/89	3000 ML	54
	21:32	10/04/89	3000 ML	50
SWH-MW-05-02	01:31	10/05/89	3000 ML	46
	06:12	10/05/89	3000 ML	46
	10:03	10/05/89	3000 ML	52
SWH-MW-06-01	14:21	10/05/89	3000 ML	64
	17:42	10/05/89	3000 ML	57
	22:02	10/05/89	3000 ML	50
SWH-MW-06-02	01:44	10/06/89	4500 ML	46
	03:44	10/06/89	4500 ML	46

Sample Collection Log
Washed Soil
High Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
SWH-WS-01-01	01:50	9-30-89	1000 ML	55
	03:40	9-30-89	1000 ML	54
	05:12	9-30-89	1000 ML	52
SWH-WS-01-02	07:04	9-30-89	1000 ML	53
	10:23	9-30-89	1000 ML	70
	11:51	9-30-89	1000 ML	78
SWH-WS-01-04	19:45	9-30-89	1000 ML	75
	22:16	9-30-89	1000 ML	70
	00:25	10-01-89	1000 ML	64
SWH-WS-02-01	02:12	10-01-89	1000 ML	63
	03:40	10-01-89	1000 ML	61
	05:46	10-01-89	1000 ML	61
SWH-WS-02-02	08:00	10-01-89	1000 ML	61
	09:47	10-01-89	1000 ML	70
	11:53	10-01-89	1000 ML	79
SWH-WS-02-03	13:59	10-01-89	1000 ML	85
	16:04	10-01-89	1000 ML	90
	17:36	10-01-89	1000 ML	82
SWH-WS-02-04	09:50	10-01-89	1000 ML	68
	22:20	10-01-89	1000 ML	54
	23:30	10-01-89	1000 ML	50
SWH-WS-04-01	10:05	10-03-89	1000 ML	37
	12:00	10-03-89	1000 ML	55
	14:29	10-03-89	1000 ML	46
SWH-WS-04-02	16:17	10-03-89	1000 ML	50
	17:40	10-03-89	1000 ML	48
	19:55	10-03-89	1000 ML	43
SWH-WS-04-03	22:15	10-03-89	1000 ML	37
	23:05	10-03-89	1000 ML	39
	01:40	10-04-89	1000 ML	34
SWH-WS-04-04	03:53	10-04-89	1000 ML	28
	05:55	10-04-89	1000 ML	28
	07:44	10-04-89	1000 ML	30
SWH-WS-05-01	10:07	10-04-89	1000 ML	46
	12:10	10-04-89	1000 ML	63
	13:39	10-04-89	1000 ML	59
SWH-WS-05-02	17:59	10-04-89	1000 ML	54
	19:45	10-04-89	1000 ML	52
	21:26	10-04-89	1000 ML	50
SWH-WS-05-03	23:36	10-04-89	1000 ML	48
	01:35	10-05-89	1000 ML	46
	03:43	10-05-89	1000 ML	48
SWH-WS-05-04	06:10	10-05-89	1000 ML	46

Sample Collection Log
Washed Soil
High Soil Test

SAMPLE ID	TIME	DATE	COMMENTS	TEMP -F-
	07:34	10-05-89	1000 ML	46
	10:15	10-05-89	1000 ML	52
SWH-WS-06-01	11:57	10-05-89	1000 ML	66
	14:23	10-05-89	1000 ML	64
	16:08	10-05-89	1000 ML	55
SWH-WS-06-02	17:50	10-05-89	1000 ML	54
	19:21	10-05-89	1000 ML	52
	22:05	10-05-89	1000 ML	50
SWH-WS-06-03	23:31	10-05-89	1000 ML	48
	01:49	10-06-89	1000 ML	46
	03:43	10-06-89	1000 ML	43

PENTACHLOROPHENOL INVENTORY

WASHED SOIL (WS) -- LOW SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	MASS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/25/89	12:37	TIME ZERO				0				
09/25/89	14:05					1.5				
09/25/89	14:37		SWL-WS-01-01			2.0				
09/25/89	15:05	WS-1		549		2.5				
09/25/89	16:26	WS-2		608		3.8				
09/25/89	16:40		SWL-WS-01-01			4.0				
09/25/89	17:26	WS-3		745		4.8				
09/25/89	18:35	WS-4		630		6.0				
09/25/89	18:37		SWL-WS-01-01			6.0	1961	10000	19.6	
09/25/89	19:50	midpoint				7.2				
09/25/89	19:54	WS-1		540		7.3				
09/25/89	21:00	WS-2		646		8.4				
09/25/89	21:04		SWL-WS-01-02			8.4				
09/25/89	22:10	WS-3		641		9.6				
09/25/89	22:50		SWL-WS-01-02			10.2				
09/25/89	23:30	WS-4		625		10.9				
09/26/89	00:37		SWL-WS-01-02			12.0	1630	10000	16.3	
09/26/89	00:45	WS-1		580		12.1				
09/26/89	01:35	midpoint				13.0				
09/26/89	01:47	WS-3		653		13.2				
09/26/89	02:33		SWL-WS-01-03			13.9				
09/26/89	02:51	WS-1		646		14.2				
09/26/89	03:58	WS-3	BROKEN SCALE	639		15.3				
09/26/89	04:37		SWL-WS-01-03			16.0				
09/26/89	05:08	WS-1		617		16.5				

WASHED SOIL (WS) -- LOW SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	MASS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/26/89	06:17	WS-3		639		17.7				
09/26/89	06:27		SWL-WS-01-03			17.8	1755	9700	17.0	
09/26/89	07:33	WS-1		636		18.9				
09/26/89	07:40	midpoint				19.0				
09/26/89	08:38	WS-3		650		20.0				
09/26/89	08:53		SWL-WS-01-04			20.3				
09/26/89	09:44	WS-5		676		21.1				
09/26/89	10:43		SWL-WS-01-04			22.1				
09/26/89	11:03	WS-3		623		22.4				
09/26/89	12:16	WS-5		704		23.6				
09/26/89	13:08		SWL-WS-01-04			24.5	2064	22000	45.4	
09/26/89	13:34	WS-6		657		24.9				
09/26/89	14:32	midpoint				25.9				
09/26/89	14:45	WS-5		671		26.1				
09/26/89	15:36		SWL-WS-02-01			27.0				
09/26/89	15:56	WS-6		692		27.3				
09/26/89	16:36		SWL-WS-02-01			28.0				
09/26/89	17:11	WS-5		572		28.6				
09/26/89	17:59		SWL-WS-02-01			29.4	1495	11000	16.4	
09/26/89	18:15	WS-6		686		29.6				
09/26/89	19:32	WS-5		607		30.9				
09/26/89	19:42	midpoint				31.1				
09/26/89	20:46	WS-7		630		32.2				
09/26/89	21:25		SWL-WS-02-02			32.8				
09/26/89	22:00	WS-5		620		33.4				

WASHED SOIL (WS) -- LOW SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	MASS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/26/89	22:34		SWL-WS-02-02			33.9				
09/26/89	23:20	WS-7		572		34.7				
09/27/89	00:37	WS-5		566		36.0				
09/27/89	01:10		SWL-WS-02-02			36.6	1613	12000	19.4	
09/27/89	01:58	midpoint				37.3				
09/27/89	02:19	WS-8		467		37.7				
09/27/89	02:46		SWL-WS-02-03			38.2				
09/27/89	03:58	WS-5		462		39.3				
09/27/89	04:35		SWL-WS-02-03			40.0				
09/27/89	05:45	WS-8		408		41.1				
09/27/89	06:33		SWL-WS-02-03			41.9	1314	19000	25.0	
09/27/89	07:30	WS-5		439		42.9				
09/27/89	08:41	midpoint				44.1				
09/27/89	09:27	WS-8		400		44.8				
09/27/89	10:49		SWL-WS-02-04			46.2				
09/27/89	11:51	WS-5***		331		47.2				
09/27/89	12:12		SWL-WS-02-04			47.6				
09/27/89	13:30	WS-9		437		48.9				
09/27/89	14:47		SWL-WS-02-04			50.2	1106	19000	21.0	
09/27/89	15:07					50.5				
09/27/89	15:31	WS-10		382		50.9				
							12937		180.1	13922
						Two Significant Figures...			180	14 mg/l

000126

MUNICIPAL WATER (MW) -- LOW SOIL TEST

Penta Inventory

DATE	TIME	SAMPLE ID	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	MW FLOW DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/L)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/L)
09/25/89	12:37				0					
09/25/89	15:24	SWL-MW-01-01			2.8	70				
09/25/89	15:28		6.60	3303	2.8					
09/25/89	17:01		5.70	2852	4.4					
09/25/89	19:05	SWL-MW-01-01			6.5	40				
09/25/89	19:24		5.96	2982	6.8					
09/25/89	21:25		6.25	3128	8.8					
09/25/89	23:00	SWL-MW-01-01			10.4	36	14019	0	0.0	
09/25/89	23:05		5.75	2877	10.5					
09/25/89	00:56	midpoint			12.3					
09/26/89	01:14		5.36	2682	12.6					
09/26/89	02:01		5.40	2702	13.4					
09/26/89	02:52	SWL-MW-01-02			14.3	34				
09/26/89	03:10		5.35	2677	14.5					
09/26/89	04:00		5.29	2647	15.4					
09/26/89	05:13		5.38	2692	16.6					
09/26/89	06:04		5.34	2672	17.4					
09/26/89	06:43	SWL-MW-01-02			18.1	33				
09/26/89	07:06		5.13	2567	18.5					
09/26/89	08:00		5.08	2542	19.4					
09/26/89	10:05		5.00	2502	21.5					
09/26/89	10:47	SWL-MW-01-02			22.2		18664	0	0.0	
09/26/89	11:12		4.98	2492	22.6					
09/26/89	12:56	midpoint			24.3					
09/26/89	13:51		4.74	2372	25.2					
09/26/89	15:05	SWL-MW-02-01			26.5	60				

MUNICIPAL WATER (MW) -- LOW SOIL TEST

Penta Inventory

DATE	TIME	SAMPLE ID	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	MW FLOW DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/L)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/L)
09/26/89	15:53		5.12	2562	27.3					
09/26/89	17:04		5.17	2587	28.4					
09/26/89	18:30	SWL-MW-02-01			29.9	40				
09/26/89	18:43		5.20	2602	30.1					
09/26/89	20:48		3.95	1977	32.2					
09/26/89	22:49	SWL-MW-02-01			34.2	49	15056	0	0.0	
09/26/89	23:18		5.75	2877	34.7					
09/27/89	00:27		4.26	2132	35.8					
09/27/89	00:53	midpoint			36.3					
09/27/89	02:31		5.18	2592	37.9					
09/27/89	02:58	SWL-MW-02-02			38.3	48				
09/27/89	04:20		4.89	2447	39.7					
09/27/89	06:40	SWL-MW-02-02			42.0	36				
09/27/89	07:01		4.90	2452	42.4					
09/27/89	11:05	SWL-MW-02-02			46.5	40	13972	0	0.0	
09/27/89	11:29		3.60	1801	46.9					
09/27/89	12:30		3.51	1756	47.9					
09/27/89	15:07				50.5					
09/27/89	15:29		3.83	1917	50.9					
							61711		0.0	0

Two Significant Figures... 0.00 0.00 mg/l

000128

FEED SOIL (FS) -- LOW SOIL TEST

Fenta Inventory

DATE	TIME	SAMPLE ID	RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/25/89	12:37			0					
09/25/89	15:05	SWL-FS-01-01		2.5	70				
09/25/89	15:28			2.8					
09/25/89	16:37	SWL-FS-01-01		4.0	60				
09/25/89	17:00		670	4.4					
09/25/89	18:31	SWL-FS-01-01		5.9		2071	130000	269.3	
09/25/89	19:22		583	6.8					
09/25/89	19:47	midpoint		7.2					
09/25/89	21:04	SWL-FS-01-02		8.4	36				
09/25/89	21:24		583	8.8					
09/25/89	22:50	SWL-FS-01-02		10.2	36				
09/25/89	23:03		591	10.4					
09/26/89	00:37	SWL-FS-01-02		12.0	35	1506	110000	165.6	
09/26/89	01:12		542	12.6					
09/26/89	01:33	midpoint		12.9					
09/26/89	02:00		674	13.4					
09/26/89	02:30	SWL-FS-01-03		13.9	34				
09/26/89	03:10		577	14.5					
09/26/89	04:00		559	15.4					
09/26/89	04:34	SWL-FS-01-03		15.9	33				
09/26/89	05:13		604	16.6					
09/26/89	06:04		569	17.4					
09/26/89	06:25	SWL-FS-01-03		17.8	33	1660	120000	199.2	
09/26/89	07:06		627	18.5					
09/26/89	07:42	midpoint		19.1					
09/26/89	08:00		586	19.4					

000129

FEED SOIL (FS) -- LOW SOIL TEST

Penta Inventory

DATE	TIME	SAMPLE ID	RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/26/89	09:00	SWL-FS-01-04		20.4	50				
09/26/89	10:03		595	21.4					
09/26/89	10:27	SWL-FS-01-04		21.8	50				
09/26/89	11:12		577	22.6					
09/26/89	13:37	SWL-FS-01-04		25.0	62	1750	140000	244.9	
09/26/89	13:50		552	25.2					
09/26/89	14:25	midpoint		25.8					
09/26/89	15:14	SWL-FS-02-01		26.6	62				
09/26/89	15:52		590	27.2					
09/26/89	16:32	SWL-FS-02-01		27.9	64				
09/26/89	17:03		500	28.4					
09/26/89	18:15	SWL-FS-02-01		29.6	41	1303	85000	110.8	
09/26/89	18:42		512	30.1					
09/26/89	19:45	midpoint		31.1					
09/26/89	20:46		554	32.2					
09/26/89	21:16	SWL-FS-02-02		32.6	50				
09/26/89	22:44	SWL-FS-02-02		34.1	49				
09/26/89	23:17		488	34.7					
09/27/89	00:26		423	35.8					
09/27/89	01:38	SWL-FS-02-02		37.0	46	1291	150000	193.6	
09/27/89	02:11	midpoint		37.6					
09/27/89	02:30		326	37.9					
09/27/89	02:45	SWL-FS-02-03		38.1	48				
09/27/89	04:20		301	39.7					
09/27/89	04:32	SWL-FS-02-03		39.9	46				
09/27/89	06:43	SWL-FS-02-03		42.1	36	875	130000	113.8	

000130

FEED SOIL (FS) -- LOW SOIL TEST

Penta Inventory

DATE	TIME	SAMPLE ID	RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/27/89	07:00		304	42.4					
09/27/89	08:42	midpoint		44.1					
09/27/89	10:31		274	45.9					
09/27/89	10:42	SWL-FS-02-04		46.1	52				
09/27/89	11:23		269	46.8					
09/27/89	12:03	SWL-FS-02-04		47.4	66				
09/27/89	12:30		265	47.9					
09/27/89	15:00	SWL-FS-02-04		50.4	74	753	150000	113.0	
09/27/89	15:07			50.5					
09/27/89	15:28		243	50.8					
						11210		1410.3	125807

Two Significant Figures... 1400 130 mg/kg

0001131

FINE PARTICLE CAKE -- LOW SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/25/89	12:37					0				
09/25/89	14:51		SWL-FPC-01-01		70	2.2				
09/25/89	15:43	FPC-1	WEIGHT NOT RE	58		3.1				
09/25/89	16:50		SWL-FPC-01-01		60	4.2				
09/25/89	18:49		SWL-FPC-01-01		40	6.2	195	160000	31.2	
09/25/89	20:02	midpoint				7.4				
09/25/89	21:15		SWL-FPC-01-02		36	8.6				
09/25/89	22:40		SWL-FPC-01-02		36	10.0				
09/25/89	23:15	FPC-2 *		58		10.6				
09/26/89	00:49		SWL-FPC-01-02		35	12.2	215	320000	68.8	
09/26/89	01:47	midpoint				13.2				
09/26/89	02:44	FPC-3		113		14.1				
09/26/89	02:46		SWL-FPC-01-03		34	14.2				
09/26/89	04:49		SWL-FPC-01-03		33	16.2				
09/26/89	05:45	FPC-4		143		17.1				
09/26/89	06:38		SWL-FPC-01-03		33	18.0	382	400000	152.8	
09/26/89	07:39	midpoint				19.0				
09/26/89	08:32	FPC-5		160		19.9				
09/26/89	08:40		SWL-FPC-01-04		55	20.1				
09/26/89	10:30		SWL-FPC-01-04		55	21.9				
09/26/89	11:45	FPC-6		143		23.1				
09/26/89	13:23		SWL-FPC-01-04		60	24.8	436	210000	91.6	
09/26/89	14:21	midpoint				25.7				
09/26/89	15:19		SWL-FPC-02-01		62	26.7				
09/26/89	15:23	FPC-7		138		26.8				
09/26/89	16:48		SWL-FPC-02-01		64	28.2				

000132

FINE PARTICLE CAKE -- LOW SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/26/89	18:18		SWL-FPC-02-01		40	29.7	320	240000	76.8	
09/26/89	19:03	FPC-8		122		30.4				
09/26/89	19:52	midpoint				31.3				
09/26/89	21:27		SWL-FPC-02-02		50	32.8				
09/26/89	22:25	FPC-9		139		33.8				
09/26/89	22:48		SWL-FPC-02-02		49	34.2				
09/27/89	01:25		SWL-FPC-02-02		48	36.8	328	200000	65.6	
09/27/89	02:08	midpoint				37.5				
09/27/89	02:51		SWL-FPC-02-03		48	38.2				
09/27/89	03:23	FPC-10		99		38.8				
09/27/89	04:45		SWL-FPC-02-03		46	40.1				
09/27/89	06:37		SWL-FPC-02-03		36	42.0	277	360000	99.7	
09/27/89	08:45	midpoint				44.1				
09/27/89	08:47	FPC-11		91		44.2				
09/27/89	10:53		SWL-FPC-02-04		52	46.3				
09/27/89	12:16		SWL-FPC-02-04		66	47.6				
09/27/89	14:37	FPC-12		77		50.0				
09/27/89	14:56		SWL-FPC-02-04		74	50.3	221	280000	61.9	
09/27/89	15:07		END OF TEST			50.5				
							2374		648.3	273117

* Start-of-collection time is an estimate.

Two Significant Figures... 650 270 mg/kg

000133

FINE OVERSIZE (FO) -- LOW SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/25/89	12:37					0				
09/25/89	14:44		SWL-FO-01-01		70	2.1				
09/25/89	16:45		SWL-FO-01-01		60	4.1				
09/25/89	18:44		SWL-FO-01-01		40	6.1	89	50000	4.5	
09/25/89	19:00	FO-X	WEIGHT NOT R	27		6.4				
09/25/89	19:55	midpoint				7.3				
09/25/89	21:07		SWL-FO-01-02		36	8.5				
09/25/89	22:45		SWL-FO-01-02		36	10.1				
09/26/89	00:39		SWL-FO-01-02		35	12.0	68	88000	6.0	
09/26/89	01:37	midpoint				13.0				
09/26/89	02:35		SWL-FO-01-03		34	14.0				
09/26/89	04:40		SWL-FO-01-03		33	16.0				
09/26/89	06:28		SWL-FO-01-03		34	17.8	72	150000	10.8	
09/26/89	07:36	midpoint				19.0				
09/26/89	08:45		SWL-FO-01-04		55	20.1				
09/26/89	10:25	FO-1		27		21.8				
09/26/89	10:37		SWL-FO-01-04		55	22.0				
09/26/89	13:15		SWL-FO-01-04		60	24.6	87	160000	13.9	
09/26/89	14:21	midpoint				25.7				
09/26/89	15:28		SWL-FO-02-01		62	26.8				
09/26/89	16:43		SWL-FO-02-01		64	28.1				
09/26/89	18:01		SWL-FO-02-01		40	29.4	72	69000	5.0	
09/26/89	19:40	midpoint				31.1				
09/26/89	21:20		SWL-FO-02-02		50	32.7				
09/26/89	22:37		SWL-FO-02-02		49	34.0				
09/27/89	00:29	FO-2		30		35.9				

000134

FINE OVERSIZE (FO) -- LOW SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/27/89	01:20		SWL-FO-02-02		48	36.7	87	95000	8.2	
09/27/89	02:04	midpoint				37.5				
09/27/89	02:49		SWL-FO-02-03		48	38.2				
09/27/89	04:36		SWL-FO-02-03		46	40.0				
09/27/89	06:24		SWL-FO-02-03		36	41.8	92	71000	6.6	
09/27/89	08:51	midpoint				44.2				
09/27/89	11:19		SWL-FO-02-04		52	46.7				
09/27/89	12:25		SWL-FO-02-04		66	47.8				
09/27/89	15:07		SWL-FO-02-04		74	50.5	85	88000	7.5	
09/27/89	15:07	FO-?	WEIGHT NOT R	30		50.5				
09/27/89	15:07		END OF TEST			50.5				
							653		62.5	95681

Two Significant Figures... 62 96 mg/kg

000135

COARSE OVERSIZE (CO) -- LOW SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/25/89	12:37					0				
09/25/89	12:40					0.0				
09/25/89	15:12		SWL-CO-01-01		70	2.6				
09/25/89	16:49		SWL-CO-01-01		60	4.2				
09/25/89	18:15	CO-1		91		5.6				
09/25/89	19:00		SWL-CO-01-01		32	6.4	288	180000	51.8	
09/25/89	19:57	midpoint				7.3				
09/25/89	20:55		SWL-CO-01-02		32	8.3				
09/25/89	22:55		SWL-CO-01-02		32	10.3				
09/26/89	00:12	CO-1		71		11.6				
09/26/89	00:53		SWL-CO-01-02		32	12.3	192	120000	23.0	
09/26/89	01:51	midpoint				13.2				
09/26/89	02:50		SWL-CO-01-03		32	14.2				
09/26/89	04:54		SWL-CO-01-03		32	16.3				
09/26/89	06:40		SWL-CO-01-03		32	18.0				
09/26/89	06:46	CO-2		74		18.1	206	230000	47.4	
09/26/89	07:53	midpoint				19.3				
09/26/89	09:07		SWL-CO-01-04		55	20.5				
09/26/89	10:20		SWL-CO-01-04		55	21.7				
09/26/89	13:03	CO-3		80		24.4				
09/26/89	13:42		SWL-CO-01-04		60	25.1	235	150000	35.2	
09/26/89	14:26	midpoint				25.8				
09/26/89	15:10		SWL-CO-02-01		62	26.5				
09/26/89	16:57		SWL-CO-02-01		64	28.3				
09/26/89	18:26		SWL-CO-02-01		32	29.8	191	96000	18.3	
09/26/89	19:40	CO-4		77		31.0				

000136

COARSE OVERSIZE (CO) -- LOW SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/26/89	20:00	midpoint				31.4				
09/26/89	21:34		SWL-CO-02-02		50	32.9				
09/26/89	22:50		SWL-CO-02-02		49	34.2				
09/27/89	01:32		SWL-CO-02-02		32	36.9	165	140000	23.1	
09/27/89	02:15	midpoint				37.6				
09/27/89	02:58		SWL-CO-02-03		48	38.3				
09/27/89	04:49		SWL-CO-02-03		46	40.2				
09/27/89	05:16	CO-5		58		40.6				
09/27/89	06:39		SWL-CO-02-03		32	42.0	163	250000	40.6	
09/27/89	08:42	midpoint				44.1				
09/27/89	10:45		SWL-CO-02-04		52	46.1				
09/27/89	12:07		SWL-CO-02-04		66	47.5				
09/27/89	14:44		SWL-CO-02-04		74	50.1	155	230000	35.6	
09/27/89	15:07					50.5				
09/27/89	15:55	CO-6		53		51.3				
							1594		275.2	172633

Two Significant Figures... 280 170 mg/kg

000137

COMBINED DEWATERING EFFLUENT (CDE) -- LOW SOIL TEST

Penta Inventory

DATE	TIME	TANK NO.	----CDE RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/L)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/L)
09/25/89	12:37				0					
09/25/89	15:18	SWL-CDE-01-01			2.7	70				
09/25/89	15:25	#2			2.8					
09/25/89	16:45	SWL-CDE-01-01			4.1	60				
09/25/89	17:08	#2	5.89	2947	4.5					
09/25/89	18:55	SWL-CDE-01-01			6.3	40	9901	18000	178.2	
09/25/89	19:10	#2	6.37	3186	6.6					
09/25/89	20:04	midpoint			7.4					
09/25/89	21:13	SWL-CDE-01-02			8.6	36				
09/25/89	21:30	#2	4.50	2251	8.9					
09/25/89	22:53	SWL-CDE-01-02			10.3	36				
09/25/89	23:03	#2	6.18	3091	10.4					
09/26/89	00:55	SWL-CDE-01-02			12.3	35	6991	10000	69.9	
09/26/89	01:10	#2	5.14	2573	12.6					
09/26/89	01:55	midpoint			13.3					
09/26/89	02:05	#2	5.18	2590	13.5					
09/26/89	02:55	SWL-CDE-01-03			14.3	34				
09/26/89	03:14	#2	5.19	2595	14.6					
09/26/89	04:04	#2	4.78	2391	15.5					
09/26/89	04:51	SWL-CDE-01-03			16.2	33				
09/26/89	05:17	#2	5.39	2695	16.7					
09/26/89	06:07	#2	5.01	2505	17.5					
09/26/89	06:36	SWL-CDE-01-03			18.0	33	6673	12000	80.1	
09/26/89	07:39	midpoint			19.0					
09/26/89	08:02	#2	5.09	2548	19.4					
09/26/89	08:43	SWL-CDE-01-04			20.1					
09/26/89	10:30	#2	4.24	2123	21.9					

COMBINED DEWATERING EFFLUENT (CDE) -- LOW SOIL TEST

Penta Inventory

DATE	TIME	TANK NO.	CDE RATE (gpm)	CDE RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/L)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/L)
09/26/89	10:33	SWL-CDE-01-04			21.9	55				
09/26/89	11:07	#1			22.5					
09/26/89	13:23	SWL-CDE-01-04			24.8	61	7037	12000	84.4	
09/26/89	13:49	#1	4.76	2382	25.2					
09/26/89	14:27	midpoint			25.8					
09/26/89	15:32	SWL-CDE-02-01			26.9	62				
09/26/89	15:52	#1	4.90	2450	27.2					
09/26/89	16:52	SWL-CDE-02-01			28.2	64				
09/26/89	17:05	#1	5.11	2559	28.5					
09/26/89	18:10	SWL-CDE-02-01			29.5	40	6029	21000	126.6	
09/26/89	18:42	#1	4.91	2455	30.1					
09/26/89	19:50	midpoint			31.2					
09/26/89	20:51	#1	4.82	2410	32.2					
09/26/89	21:31	SWL-CDE-02-02			32.9	50				
09/26/89	22:46	SWL-CDE-02-02			34.1	49				
09/26/89	23:21	#1	4.68	2341	34.7					
09/27/89	00:35	#1	4.42	2213	36.0					
09/27/89	01:35	SWL-CDE-02-02			37.0	46	6784	14000	95.0	
09/27/89	02:20	midpoint			37.7					
09/27/89	02:34	#1	4.49	2249	38.0					
09/27/89	03:05	SWL-CDE-02-03			38.5	48				
09/27/89	04:25	#1	4.98	2492	39.8					
09/27/89	04:47	SWL-CDE-02-03			40.2	46				
09/27/89	06:35	SWL-CDE-02-03			42.0	36	6978	15000	104.7	
09/27/89	07:04	#1	4.52	2263	42.5					
09/27/89	08:49	midpoint			44.2					
09/27/89	10:30	#1	4.85	2426	45.9					

COMBINED DEWATERING EFFLUENT (CDE) -- LOW SOIL TEST

Penta Inventory

DATE	TIME	TANK NO.	----CDE RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/L)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/L)
09/27/89	11:03	SWL-CDE-02-04			46.4	52				
09/27/89	11:22	#1	4.74	2371	46.7					
09/27/89	12:10	SWL-CDE-02-04			47.5	66				
09/27/89	12:29	#1	4.62	2314	47.9					
09/27/89	12:52	#1	4.46	2229	48.2					
09/27/89	12:52	#2			48.2					
09/27/89	14:51	SWL-CDE-02-04			50.2	74	6457	11000	71.0	
09/27/89	15:07				50.5					
09/27/89	15:27	#2	4.13	2067	50.8					
							56850		809.9	14247
					Two Significant Figures...				810	14 mg/l

0001140

WASHED SOIL (WS) -- HIGH SOIL TEST PENTA

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/29/89	23:38					-0.2				
09/29/89	23:48					0				
09/30/89	00:49	WS-X		621		1.0				
09/30/89	01:50		SWH-WS-01-01		55	2.0				
09/30/89	02:26	WS-12		454		2.6				
09/30/89	03:40		SWH-WS-01-01		54	3.9				
09/30/89	04:05	WS-X		454		4.3				
09/30/89	05:12		SWH-WS-01-01		52	5.4	1393	44000	61.3	
09/30/89	05:41	WS-12		471		5.9				
09/30/89	06:08	midpoint				6.3				
09/30/89	07:04		SWH-WS-01-02		53	7.3				
09/30/89	07:28	WS-X		450		7.7				
09/30/89	09:20	WS-12		412		9.5				
09/30/89	10:23		SWH-WS-01-02		70	10.6				
09/30/89	11:31	WS-X		373		11.7				
09/30/89	11:51		SWH-WS-01-02		78	12.1	1189	70000	83.2	
09/30/89	12:30	Irregular performance begins				12.7				
09/30/89	13:21	WS-12		446		13.6				
09/30/89	15:00	WS-X		489		15.2				
09/30/89	18:30	Irregular performance ends				18.7				
09/30/89	18:50	WS-13		197		19.0				
09/30/89	19:12	WS-14		476		19.4				
09/30/89	19:45		SWH-WS-01-04		44	20.0				
09/30/89	20:45	WS-13		472		21.0				
09/30/89	22:16		SWH-WS-01-04		43	22.5				
09/30/89	22:25	WS-15		443		22.6				

WASHED SOIL (WS) -- HIGH SOIL TEST

Penta Inventory

PENTA

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/30/89	23:52	WS-16		523		24.1				
10/01/89	00:25		SWH-WS-01-04		64	24.6	1429	49000	70.0	
10/01/89	01:18	midpoint				25.5				
10/01/89	01:30	WS-15		473		25.7				
10/01/89	02:12		SWH-WS-02-01		63	26.4				
10/01/89	03:11	WS-16		460		27.4				
10/01/89	03:40		SWH-WS-02-01		61	27.9				
10/01/89	04:52	WS-15		468		29.1				
10/01/89	05:46		SWH-WS-02-01		61	30.0	1128	51000	57.5	
10/01/89	06:42	WS-16		413		30.9				
10/01/89	06:53	midpoint				31.1				
10/01/89	08:00		SWH-WS-02-02		61	32.2				
10/01/89	08:39	WS-15		419		32.9				
10/01/89	09:47		SWH-WS-02-02		70	34.0				
10/01/89	10:21	WS-16		340		34.6				
10/01/89	11:53		SWH-WS-02-02		79	36.1	1213	59000	71.6	
10/01/89	12:15	WS-15		438		36.5				
10/01/89	12:56	midpoint				37.1				
10/01/89	13:59		SWH-WS-02-03		85	38.2				
10/01/89	14:10	WS-16		445		38.4				
10/01/89	15:58	WS-15		433		40.2				
10/01/89	16:04		SWH-WS-02-03		90	40.3				
10/01/89	17:36		SWH-WS-02-03		82	41.8	939	73000	68.5	
10/01/89	18:43	midpoint				42.9				
10/01/89	18:50	WS-16		270		43.0				
10/01/89	19:50		SWH-WS-02-04		60	44.0				

000142

WASHED SOIL (WS) -- HIGH SOIL TEST

Penta Inventory

PENTA

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/01/89	21:45	WS-15		371		46.0				
10/01/89	22:20		SWH-WS-02-04		54	46.5				
10/01/89	23:30		SWH-WS-02-04		50	47.7	670	47000	31.5	
10/01/89	23:40					47.9				
10/01/89	23:45	WS-16		383		48.0				
10/03/89	08:00					80.2				
10/03/89	08:39					80.9				
10/03/89	10:05		SWH-WS-04-01		37	82.3				
10/03/89	10:20	WS-18		501		82.5				
10/03/89	12:00		SWH-WS-04-01		55	84.2				
10/03/89	12:00	WS-14		505		84.2				
10/03/89	13:42	WS-18		485		85.9				
10/03/89	14:29		SWH-WS-04-01		46	86.7	1697	97000	164.6	
10/03/89	15:12	WS-14		544		87.4				
10/03/89	15:23	midpoint				87.6				
10/03/89	16:17		SWH-WS-04-02		50	88.5				
10/03/89	16:44	WS-18		484		88.9				
10/03/89	17:40		SWH-WS-04-02		48	89.9				
10/03/89	18:16	WS-19		532		90.5				
10/03/89	19:53	WS-18		497		92.1				
10/03/89	19:55		SWH-WS-04-02		43	92.1	1351	70000	94.6	
10/03/89	21:05	WS-19		589		93.3				
10/03/89	21:05	midpoint				93.3				
10/03/89	22:15		SWH-WS-04-03		37	94.5				
10/03/89	22:30	WS-18		514		94.7				
10/03/89	23:05		SWH-WS-04-03		39	95.3				

000143

WASHED SOIL (WS) -- HIGH SOIL TEST PENTA

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/04/89	00:00	WS-19		514		96.2				
10/04/89	01:20	WS-18		575		97.5				
10/04/89	01:40		SWH-WS-04-03		34	97.9	1365	81000	110.6	
10/04/89	02:46	midpoint				99.0				
10/04/89	02:50	WS-20		516		99.0				
10/04/89	03:53		SWH-WS-04-04		28	100.1				
10/04/89	04:25	WS-18		515		100.6				
10/04/89	05:55		SWH-WS-04-04		28	102.1				
10/04/89	06:05	WS-20		484		102.3				
10/04/89	07:32	WS-18		506		103.7				
10/04/89	07:44		SWH-WS-04-04		30	103.9	1409	92000	129.6	
10/04/89	08:55	midpoint				105.1				
10/04/89	09:15	WS-20		518		105.5				
10/04/89	10:07		SWH-WS-05-01		46	106.3				
10/04/89	10:42	WS-18		568		106.9				
10/04/89	12:10		SWH-WS-05-01		63	108.4				
10/04/89	12:12	WS-20		572		108.4				
10/04/89	13:35	WS-18		587		109.8				
10/04/89	13:39		SWH-WS-05-01		59	109.9	1718	110000	189.0	
10/04/89	14:52	WS-20		651		111.1				
10/04/89	15:49	midpoint				112.0				
10/04/89	16:48	WS-21		306		113.0				
10/04/89	17:59		SWH-WS-05-02		54	114.2				
10/04/89	18:28	WS-20		470		114.7				
10/04/89	19:45		SWH-WS-05-02		52	116.0				
10/04/89	20:05	WS-18		506		116.3				

000144

WASHED SOIL (WS) -- HIGH SOIL TEST PENTA

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/04/89	21:26		SWH-WS-05-02		50	117.6	1310	110000	144.1	
10/04/89	21:48	WS-20		456		118.0				
10/04/89	22:20	midpoint				118.5				
10/04/89	23:36		SWH-WS-05-03		48	119.8				
10/04/89	23:55	WS-18		381		120.1				
10/05/89	01:35		SWH-WS-05-03		46	121.8				
10/05/89	01:52	WS-20		413		122.1				
10/05/89	03:37	WS-21		441		123.8				
10/05/89	03:43		SWH-WS-05-03		40	123.9	1257	92000	115.7	
10/05/89	04:56	midpoint				125.1				
10/05/89	05:23	WS-20		446		125.6				
10/05/89	06:10		SWH-WS-05-04		46	126.4				
10/05/89	07:02	WS-21		465		127.2				
10/05/89	07:34		SWH-WS-05-04		46	127.8				
10/05/89	08:58	WS-22		447		129.2				
10/05/89	10:15		SWH-WS-05-04		52	130.5	1251	170000	212.6	
10/05/89	10:47	WS-21		442		131.0				
10/05/89	11:06	midpoint				131.3				
10/05/89	11:57		SWH-WS-06-01		66	132.2				
10/05/89	12:48	WS-22		397		133.0				
10/05/89	14:23		SWH-WS-06-01		64	134.6				
10/05/89	14:37	WS-23		477		134.8				
10/05/89	16:08		SWH-WS-06-01		55	136.3	1229	100000	122.9	
10/05/89	16:17	WS-22		502		136.5				
10/05/89	16:59	midpoint				137.2				
10/05/89	17:50		SWH-WS-06-02		54	138.0				

WASHED SOIL (WS) -- HIGH SOIL TEST

Penta Inventory

PENTA

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/05/89	17:55	WS-23		473		138.1				
10/05/89	19:21		SWH-WS-06-02		52	139.6				
10/05/89	19:35	WS-22		478		139.8				
10/05/89	21:22	WS-24		450		141.6				
10/05/89	22:05		SWH-WS-06-02		50	142.3	1227	110000	135.0	
10/05/89	22:48	midpoint				143.0				
10/05/89	23:02	WS-22		464		143.2				
10/05/89	23:31		SWH-WS-06-03		48	143.7				
10/06/89	00:48	WS-25		445		145.0				
10/06/89	01:49		SWH-WS-06-03		46	146.0				
10/06/89	02:25	WS-22		501		146.6				
10/06/89	03:43		SWH-WS-06-03		43	147.9	1081	110000	118.9	
10/06/89	03:44					147.9				
10/06/89	03:56	WS-25		515		148.1				
							22857		1981.2	86680

Two Significant Figures... 2000 87 mg/kg

0001146

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME		TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CHECK (gal)	MW FLOW DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/l)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/l)
09/29/89	23:48				0						
09/30/89	01:16		0.45	225	1.5						
09/30/89	02:12	SWH-MW-01-01			2.4	55					
09/30/89	03:28		0.56	280	3.7						
09/30/89	05:06		0.50	250	5.3						
09/30/89	05:30	SWH-MW-01-01			5.7	52					
09/30/89	06:56		0.52	260	7.1						
09/30/89	10:19	SWH-MW-01-01			10.5	68		974	0	0.0	
09/30/89	11:08		0.35	175	11.3						
09/30/89	12:23		0.80	400	12.6						
09/30/89	12:30	irreg. perf. begins			12.7		257				
09/30/89	13:28		0.60	300	13.7						
09/30/89	15:10		0.30	150	15.4						
09/30/89	18:30	irreg. perf. ends			18.7						
09/30/89	20:02	SWH-MW-01-02			20.2	75					
09/30/89	20:40		0.50	250	20.9						
09/30/89	22:19	SWH-MW-01-02			22.5	70					
09/30/89	22:44		0.50	250	22.9						
10/01/89	00:03	SWH-MW-01-02			24.3	64		139	0	0.0	
10/01/89	01:11		0.85	425	25.4						
10/01/89	02:05	midpoint			26.3						
10/01/89	02:39		0.87	435	26.9						
10/01/89	04:08	SWH-MW-02-01			28.3	61					
10/01/89	04:42		0.50	250	28.9						
10/01/89	07:08		0.51	255	31.3						
10/01/89	07:49	SWH-MW-02-01			32.0	61					
10/01/89	08:25		0.45	225	32.6						

000147

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME		TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CHECK (gal)	MW FLOW DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/l)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/l)
10/01/89	10:06		0.78	390	34.3						
10/01/89	10:36	SWH-MW-02-01			34.8	78		1083	0	0.0	
10/01/89	13:07	midpoint			37.3						
10/01/89	14:39		0.65	325	38.9						
10/01/89	15:21		0.65	325	39.6						
10/01/89	15:39	SWH-MW-02-02			39.8	90					
10/01/89	16:30		0.85	425	40.7						
10/01/89	20:06	SWH-MW-02-02			44.3	68					
10/01/89	20:26		0.00	0	44.6						
10/01/89	22:28		0.00	0	46.7						
10/01/89	23:38	SWH-MW-02-02			47.8	50		209	0	0.0	
10/01/89	23:40				47.9		378				
10/02/89	00:24		0.60	300	48.6						
10/03/89	08:00				80.2						
10/03/89	08:33		0.75	375	80.8						
10/03/89	10:29		0.70	350	82.7						
10/03/89	11:54	SWH-MW-04-01			84.1	55					
10/03/89	12:14		0.40	200	84.4						
10/03/89	14:48		0.72	360	87.0						
10/03/89	16:11	SWH-MW-04-01			88.4	50					
10/03/89	16:33		0.45	225	88.8						
10/03/89	18:08		0.75	375	90.3						
10/03/89	20:13	SWH-MW-04-01			92.4	43		1158	0	0.0	
10/03/89	20:21		0.00	0	92.6						
10/03/89	21:37	midpoint			93.8						
10/03/89	21:55		0.00	0	94.1						
10/03/89	23:01	SWH-MW-04-02			95.2	39					

000148

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME		TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CHECK (gal)	MW FLOW DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/l)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/l)
10/03/89	23:49		0.00	0	96.0						
10/04/89	01:29		0.00	0	97.7						
10/04/89	03:37		0.00	0	99.8						
10/04/89	03:50	SWH-MW-04-02			100.0	28					
10/04/89	05:34		0.00	0	101.8						
10/04/89	07:30		0.33	165	103.7						
10/04/89	07:40	SWH-MW-04-02			103.9	30		145	0	0.0	
10/04/89	09:51	midpoint			106.1						
10/04/89	10:25		0.00	0	106.6						
10/04/89	12:03	SWH-MW-05-01			108.3	63					
10/04/89	12:21		0.60	300	108.6						
10/04/89	13:59		0.30	150	110.2						
10/04/89	17:35		0.00	0	113.8						
10/04/89	17:56	SWH-MW-05-01			114.1	54					
10/04/89	19:57		0.00	0	116.2						
10/04/89	21:32	SWH-MW-05-01			117.7	50		152	0	0.0	
10/04/89	21:40		0.00	0	117.9						
10/04/89	23:31	midpoint			119.7						
10/04/89	23:45		0.00	0	120.0						
10/05/89	01:31	SWH-MW-05-02			121.7	46					
10/05/89	02:15		0.00	0	122.5						
10/05/89	04:30		0.00	0	124.7						
10/05/89	05:55		0.00	0	126.1						
10/05/89	06:12	SWH-MW-05-02			126.4	46					
10/05/89	10:03	SWH-MW-05-02			130.3	52		211	0	0.0	
10/05/89	10:39		0.30	150	130.9						
10/05/89	11:36		0.60	300	131.8						

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME		TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CHECK (gal)	MW FLOW DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/l)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/l)
10/05/89	12:12	midpoint			132.4						
10/05/89	14:21	SWH-MW-06-01			134.6	64					
10/05/89	14:48		0.30	150	135.0						
10/05/89	16:34		0.30	150	136.8						
10/05/89	17:42	SWH-MW-06-01			137.9	57					
10/05/89	18:28		0.00	0	138.7						
10/05/89	19:45		0.00	0	140.0						
10/05/89	22:02	SWH-MW-06-01			142.2	50		110	0	0.0	
10/05/89	23:12		0.00	0	143.4						
10/05/89	23:53	midpoint			144.1						
10/06/89	00:02		0.00	0	144.2						
10/06/89	01:28		0.00	0	145.7						
10/06/89	01:44	SWH-MW-06-02			145.9	46					
10/06/89	03:23		0.00	0	147.6						
10/06/89	03:44				147.9						
10/06/89	03:44	SWH-MW-06-02			147.9	46	469	0	0	0.0	
							1105	4182		0.0	0
					Two Significant Figures...					0.0	0.0 mg/l

000150

FEED SOIL (FS) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/29/89	23:48			0					
09/30/89	01:15			1.5					
09/30/89	01:48	SWH-FS-01-01		2.0	55				
09/30/89	03:26		316	3.6					
09/30/89	03:37	SWH-FS-01-01		3.8	54				
09/30/89	05:05		340	5.3					
09/30/89	05:09	SWH-FS-01-01		5.3	52	908	730000	662.5	
09/30/89	06:02	midpoint		6.2					
09/30/89	06:55		309	7.1					
09/30/89	07:02	SWH-FS-01-02		7.2	53				
09/30/89	10:04		264	10.3					
09/30/89	10:18	SWH-FS-01-02		10.5					
09/30/89	11:06		319	11.3					
09/30/89	11:50	SWH-FS-01-02		12.0		859	740000	635.8	
09/30/89	12:19		329	12.5					
09/30/89	12:30	irreg. perf. begins		12.7					
09/30/89	13:27		319	13.7					
09/30/89	15:05		319	15.3					
09/30/89	18:00		86	18.2					
09/30/89	18:30	irreg. perf. ends		18.7					
09/30/89	18:53		311	19.1					
09/30/89	19:36	SWH-FS-01-04		19.8	75				
09/30/89	20:38		323	20.8					
09/30/89	22:11	SWH-FS-01-04		22.4	70				
09/30/89	22:43		347	22.9					
10/01/89	00:24	SWH-FS-01-04		24.6	64	975	350000	341.4	

FEED SOIL (FS) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/01/89	01:06	midpoint		25.3					
10/01/89	01:10		311	25.4					
10/01/89	01:49	SWH-FS-02-01		26.0	63				
10/01/89	02:34		370	26.8					
10/01/89	03:58	SWH-FS-02-01		28.2	61				
10/01/89	04:40		323	28.9					
10/01/89	05:44	SWH-FS-02-01		29.9	61	842	830000	698.8	
10/01/89	06:48	midpoint		31.0					
10/01/89	07:07		300	31.3					
10/01/89	07:52	SWH-FS-02-02		32.1	61				
10/01/89	08:24		318	32.6					
10/01/89	09:40	SWH-FS-02-02		33.9	70				
10/01/89	10:04		325	34.3					
10/01/89	11:42	SWH-FS-02-02		35.9	79	849	120000	101.8	
10/01/89	12:46	midpoint		37.0					
10/01/89	13:50	SWH-FS-02-03		38.0	85				
10/01/89	14:38		306	38.8					
10/01/89	15:20		296	39.5					
10/01/89	15:47	SWH-FS-02-03		40.0	90				
10/01/89	16:29		198	40.7					
10/01/89	17:44	SWH-FS-02-03		41.9	82	709	500000	354.3	
10/01/89	18:45	midpoint		43.0					
10/01/89	19:46	SWH-FS-02-04		44.0	79				
10/01/89	20:25		245	44.6					
10/01/89	22:16	SWH-FS-02-04		46.5	54				
10/01/89	22:28		146	46.7					

000152

FEED SOIL (FS) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/01/89	23:28	SWH-FS-02-04		47.7	50	459	490000	225.1	
10/01/89	23:40	SBR FEEDING BEGI		47.9					
10/02/89	00:23		253	48.6					
10/03/89	08:00	HIGH SOIL TEST R		80.2					
10/03/89	08:31			80.7					
10/03/89	10:00	SWH-FS-04-01		82.2	37				
10/03/89	10:27		337	82.7					
10/03/89	11:52	SWH-FS-04-01		84.1	55				
10/03/89	12:13		433	84.4					
10/03/89	14:26	SWH-FS-04-01		86.6	46	1329	480000	638.1	
10/03/89	14:47		429	87.0					
10/03/89	15:19	midpoint		87.5					
10/03/89	16:13	SWH-FS-04-02		88.4	50				
10/03/89	16:32		442	88.7					
10/03/89	17:36	SWH-FS-04-02		89.8	48				
10/03/89	18:08		442	90.3					
10/03/89	19:59	SWH-FS-04-02		92.2	43	1162	830000	964.7	
10/03/89	20:20		452	92.5					
10/03/89	21:03	midpoint		93.3					
10/03/89	21:55		450	94.1					
10/03/89	22:08	SWH-FS-04-03		94.3	37				
10/03/89	23:09	SWH-FS-04-03		95.4	39				
10/03/89	23:48		435	96.0					
10/04/89	01:27		475	97.7					
10/04/89	01:39	SWH-FS-04-03		97.9	34	1161	1100000	1276.7	
10/04/89	02:41	midpoint		98.9					

000153

FEED SOIL (FS) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/04/89	03:35		459	99.8					
10/04/89	03:44	SWH-FS-04-04		99.9	28				
10/04/89	05:33		415	101.8					
10/04/89	06:03	SWH-FS-04-04		102.3	28				
10/04/89	07:29		447	103.7					
10/04/89	07:42	SWH-FS-04-04		103.9	30	1243	910000	1131.4	
10/04/89	08:52	midpoint		105.1					
10/04/89	10:03	SWH-FS-05-01		106.3	45				
10/04/89	10:24		468	106.6					
10/04/89	11:59	SWH-FS-05-01		108.2	63				
10/04/89	12:20		462	108.5					
10/04/89	13:38	SWH-FS-05-01		109.8	59	1461	730000	1066.2	
10/04/89	13:57		555	110.2					
10/04/89	15:40		404	111.9					
10/04/89	15:45	midpoint		112.0					
10/04/89	17:35		286	113.8					
10/04/89	17:52	SWH-FS-05-02		114.1	54				
10/04/89	19:43	SWH-FS-05-02		115.9	52				
10/04/89	19:57		373	116.2					
10/04/89	21:36	SWH-FS-05-02		117.8	50	1030	680000	700.3	
10/04/89	21:40		345	117.9					
10/04/89	22:34	midpoint		118.8					
10/04/89	23:33	SWH-FS-05-03		119.8	48				
10/04/89	23:45		299	120.0					
10/05/89	01:29	SWH-FS-05-03		121.7	46				
10/05/89	02:15		347	122.5					

FEED SOIL (FS) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/05/89	03:50	SWH-FS-05-03		124.0	48	954	770000	734.2	
10/05/89	04:30		330	124.7					
10/05/89	04:55	midpoint		125.1					
10/05/89	05:55		342	126.1					
10/05/89	06:00	SWH-FS-05-04		126.2	46				
10/05/89	07:30	SWH-FS-05-04		127.7	46				
10/05/89	10:10	SWH-FS-05-04		130.4	52	906	910000	824.3	
10/05/89	10:39		333	130.9					
10/05/89	11:00	midpoint		131.2					
10/05/89	11:36		216	131.8					
10/05/89	11:51	SWH-FS-06-01		132.1	64				
10/05/89	14:28	SWH-FS-06-01		134.7	64				
10/05/89	14:46		380	135.0					
10/05/89	15:49	SWH-FS-06-01		136.0	55	916	420000	384.6	
10/05/89	16:42	midpoint		136.9					
10/05/89	17:36	SWH-FS-06-02		137.8	54				
10/05/89	18:28		354	138.7					
10/05/89	19:18	SWH-FS-06-02		139.5	52				
10/05/89	19:45		379	140.0					
10/05/89	22:02	SWH-FS-06-02		142.2	50	975	610000	594.8	
10/05/89	22:48	midpoint		143.0					
10/05/89	23:12		341	143.4					
10/05/89	23:34	SWH-FS-06-03		143.8	48				
10/06/89	00:02		293	144.2					
10/06/89	01:28		398	145.7					
10/06/89	01:37	SWH-FS-06-03		145.8	46				

000155

FEED SOIL (FS) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/06/89	03:22		410	147.6					
10/06/89	03:31	SWH-FS-06-03		147.7	43	853	640000	545.7	
10/06/89	03:44			147.9					
						17589		11880.8	675449
				Two Significant Figires...				12000	680 mg\kg

000156

FINE PARTICLE CAKE (FPC) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/29/89	23:48					0.0				
09/30/89	02:05		SWH-FPC-01-01		39	2.3				
09/30/89	03:45		SWH-FPC-01-01		39	4.0				
09/30/89	05:16		SWH-FPC-01-01		38	5.5	204	1200000	244.7	
09/30/89	06:12	FPC-15		69		6.4				
09/30/89	06:16	midpoint				6.5				
09/30/89	07:17		SWH-FPC-01-02		38	7.5				
09/30/89	10:34		SWH-FPC-01-02		70	10.8				
09/30/89	11:04	FPC-16		102		11.3				
09/30/89	12:04		SWH-FPC-01-02		46	12.3	279	1400000	391.1	
09/30/89	12:30	irreg. perf. begins				12.7				
09/30/89	16:25	FPC-17		90		16.6				
09/30/89	18:30	irreg. perf. ends				18.7				
09/30/89	19:05	FPC-18		23		19.3				
09/30/89	19:40		SWH-FPC-01-04		45	19.9				
09/30/89	22:05		SWH-FPC-01-04		44	22.3				
10/01/89	00:27		SWH-FPC-01-04		42	24.7	246	1400000	344.3	
10/01/89	00:33	FPC-19		86		24.8				
10/01/89	01:15	midpoint				25.5				
10/01/89	02:03		SWH-FPC-02-01		41	26.3				
10/01/89	04:00		SWH-FPC-02-01		41	28.2				
10/01/89	06:07		SWH-FPC-02-01		41	30.3	224	1200000	268.7	
10/01/89	06:11	FPC-20		84		30.4				
10/01/89	07:10	midpoint				31.4				
10/01/89	08:13		SWH-FPC-02-02		41	32.4				
10/01/89	09:58		SWH-FPC-02-02		70	34.2				

FINE PARTICLE CAKE (FPC) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/01/89	11:50		SWH-FPC-02-02		78	36.0	208	910000	189.6	
10/01/89	12:37	FPC-21		79		36.8				
10/01/89	13:05	midpoint				37.3				
10/01/89	14:20		SWH-FPC-02-03		85	38.5				
10/01/89	16:07		SWH-FPC-02-03		90	40.3				
10/01/89	17:47		SWH-FPC-02-03		82	42.0	175	1400000	245.1	
10/01/89	18:51	midpoint				43.1				
10/01/89	19:55		SWH-FPC-02-04		43	44.1				
10/01/89	20:00	FPC-22		67		44.2				
10/01/89	22:24		SWH-FPC-02-04		39	46.6				
10/01/89	23:35		SWH-FPC-02-04		50	47.8	128	1000000	128.1	
10/01/89	23:40					47.9				
10/02/89	00:45	FPC-23		56		49.0				
10/03/89	07:40					79.9				
10/03/89	08:00					80.2				
10/03/89	10:04		SWH-FPC-04-01		34	82.3				
10/03/89	11:58		SWH-FPC-04-01		39	84.2				
10/03/89	14:28		SWH-FPC-04-01		36	86.7	264	520000	137.5	
10/03/89	14:57	FPC-24		77		87.2				
10/03/89	15:21	midpoint				87.6				
10/03/89	16:15		SWH-FPC-04-02		38	88.5				
10/03/89	17:38		SWH-FPC-04-02		37	89.8				
10/03/89	19:42	FPC-25		116		91.9				
10/03/89	20:09		SWH-FPC-04-02		35	92.4	315	1900000	597.9	
10/03/89	21:10	midpoint				93.4				
10/03/89	22:12		SWH-FPC-04-03		34	94.4				

0001158

FINE PARTICLE CAKE (FPC) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/03/89	23:02		SWH-FPC-04-03		34	95.2				
10/03/89	23:25	FPC-26		129		95.6				
10/04/89	01:53		SWH-FPC-04-03		33	98.1	279	1500000	418.9	
10/04/89	02:54	midpoint				99.1				
10/04/89	03:55		SWH-FPC-04-04		31	100.1				
10/04/89	04:42	FPC-27		94		100.9				
10/04/89	06:08		SWH-FPC-04-04		31	102.3				
10/04/89	07:46		SWH-FPC-04-04		31	104.0	275	1600000	440.7	
10/04/89	08:58	midpoint				105.2				
10/04/89	09:37	FPC-28		103		105.8				
10/04/89	10:10		SWH-FPC-05-01		36	106.4				
10/04/89	12:14		SWH-FPC-05-01		48	108.4				
10/04/89	13:42		SWH-FPC-05-01		40	109.9	265	1600000	423.6	
10/04/89	15:45	FPC-29		83		112.0				
10/04/89	15:51	midpoint				112.1				
10/04/89	18:00		SWH-FPC-05-02		39	114.2				
10/04/89	19:50		SWH-FPC-05-02		38	116.0				
10/04/89	21:31		SWH-FPC-05-02		38	117.7	196	680000	133.2	
10/04/89	21:52	FPC-30		64		118.1				
10/04/89	22:35	midpoint				118.8				
10/04/89	23:39		SWH-FPC-05-03		37	119.9				
10/05/89	01:38		SWH-FPC-05-03		36	121.8				
10/05/89	03:47		SWH-FPC-05-03		37	124.0	189	1800000	339.3	
10/05/89	04:58	midpoint				125.2				
10/05/89	05:53	FPC-31		65		126.1				
10/05/89	06:09		SWH-FPC-05-04		36	126.4				

000159

FINE PARTICLE CAKE (FPC) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/05/89	07:33		SWH-FPC-05-04		36	127.8				
10/05/89	10:17		SWH-FPC-05-04		38	130.5	164	1600000	263.2	
10/05/89	11:09	midpoint				131.4				
10/05/89	12:02		SWH-FPC-06-01		43	132.2				
10/05/89	14:33		SWH-FPC-06-01		42	134.8				
10/05/89	15:20	FPC-32		57		135.5				
10/05/89	15:53		SWH-FPC-06-01		42	136.1	158	630000	99.4	
10/05/89	16:48	midpoint				137.0				
10/05/89	17:43		SWH-FPC-06-02		39	137.9				
10/05/89	19:23		SWH-FPC-06-02		38	139.6				
10/05/89	21:40	FPC-33		74		141.9				
10/05/89	22:05		SWH-FPC-06-02		38	142.3	203	1100000	223.1	
10/05/89	22:53	midpoint				143.1				
10/05/89	23:42		SWH-FPC-06-03		37	143.9				
10/06/89	01:47		SWH-FPC-06-03		36	146.0				
10/06/89	03:37		SWH-FPC-06-03		35	147.8	158	1500000	237.4	
10/06/89	03:44					147.9				
10/06/89	04:01	FPC-34		72		148.2				
							3931		5125.7	1303944

Two Significant Figures... 5100 1300 mg\kg

000160

FINE OVERSIZE (FO) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/29/89	23:43					-0.1				
09/29/89	23:48					0				
09/30/89	01:52		SWH-FO-01-01		55	2.1				
09/30/89	03:38		SWH-FO-01-01		54	3.8				
09/30/89	05:14		SWH-FO-01-01		52	5.4	44	460000	20.0	
09/30/89	06:10	midpoint				6.4				
09/30/89	07:06		SWH-FO-01-02		53	7.3				
09/30/89	11:00		SWH-FO-01-02		74	11.2				
09/30/89	12:09		SWH-FO-01-02		78	12.4	43	430000	18.6	
09/30/89	12:30	irreg. perf. begins				12.7				
09/30/89	18:30	irreg. perf. ends				18.7				
09/30/89	19:10	FO-4		15		19.4				
09/30/89	19:50		SWH-FO-01-04		75	20.0				
09/30/89	21:55		SWH-FO-01-04		70	22.1				
10/01/89	00:12		SWH-FO-01-04		64	24.4	43	520000	22.3	
10/01/89	01:02	midpoint				25.2				
10/01/89	01:52		SWH-FO-02-01		63	26.1				
10/01/89	03:40		SWH-FO-02-01		61	27.9				
10/01/89	05:55		SWH-FO-02-01		61	30.1	39	660000	25.7	
10/01/89	06:58	midpoint				31.2				
10/01/89	08:02		SWH-FO-02-02		61	32.2				
10/01/89	09:58		SWH-FO-02-02		70	34.2				
10/01/89	12:07		SWH-FO-02-02		79	36.3	41	1100000	44.9	
10/01/89	13:12	midpoint				37.4				
10/01/89	14:17		SWH-FO-02-03		85	38.5				
10/01/89	16:22		SWH-FO-02-03		90	40.6				

FINE OVERSIZE (FO) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/01/89	17:30		SWH-FO-02-03		82	41.7	36	290000	10.4	
10/01/89	18:40	midpoint				42.9				
10/01/89	19:50		SWH-FO-02-04		79	44.0				
10/01/89	22:27		SWH-FO-02-04		54	46.7				
10/01/89	23:28		SWH-FO-02-04		50	47.7	33	520000	17.0	
10/01/89	23:40					47.9				
10/02/89	00:45	FO-5		14		49.0				
10/03/89	05:25					77.6				
10/03/89	08:00					80.2				
10/03/89	10:18		SWH-FO-04-01		41	82.5				
10/03/89	12:08		SWH-FO-04-01		59	84.3				
10/03/89	14:42		SWH-FO-04-01		46	86.9	69	650000	45.1	
10/03/89	15:34	midpoint				87.8				
10/03/89	16:27		SWH-FO-04-02		50	88.7				
10/03/89	17:37		SWH-FO-04-02		48	89.8				
10/03/89	20:11		SWH-FO-04-02		43	92.4	51	660000	33.9	
10/03/89	21:10	midpoint				93.4				
10/03/89	22:10		SWH-FO-04-03		37	94.4				
10/03/89	23:01		SWH-FO-04-03		39	95.2				
10/04/89	01:43		SWH-FO-04-03		34	97.9	51	1100000	56.2	
10/04/89	02:45	midpoint				99.0				
10/04/89	03:47		SWH-FO-04-04		28	100.0				
10/04/89	04:13	FO-7		20		100.4				
10/04/89	06:00		SWH-FO-04-04		28	102.2				
10/04/89	07:36		SWH-FO-04-04		30	103.8	97	570000	55.2	
10/04/89	08:54	midpoint				105.1				

000162

FINE OVERSIZE (FO) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/04/89	10:12		SWH-FO-05-01		46	106.4				
10/04/89	12:07		SWH-FO-05-01		63	108.3	110	1400000	153.4	
10/04/89	15:03	midpoint				111.3				
10/04/89	16:30	FO-8		39		112.7				
10/04/89	17:59		SWH-FO-05-02		54	114.2				
10/04/89	19:44		SWH-FO-05-02		52	115.9				
10/04/89	21:20		SWH-FO-05-02		50	117.5	78	910000	71.0	
10/04/89	22:27	midpoint				118.7				
10/04/89	23:34		SWH-FO-05-03		48	119.8				
10/05/89	01:25		SWH-FO-05-03		46	121.6				
10/05/89	03:40		SWH-FO-05-03		48	123.9	56	910000	50.9	
10/05/89	04:50	midpoint				125.0				
10/05/89	06:00		SWH-FO-05-04		46	126.2				
10/05/89	07:28		SWH-FO-05-04		46	127.7				
10/05/89	10:27		SWH-FO-05-04		52	130.7	57	1300000	74.1	
10/05/89	11:12	FO-9		19		131.4				
10/05/89	11:19					131.5				
10/05/89	12:12		SWH-FO-06-01		66	132.4				
10/05/89	14:38		SWH-FO-06-01		64	134.8				
10/05/89	16:07		SWH-FO-06-01		55	136.3	54	1300000	70.6	
10/05/89	16:53	midpoint				137.1				
10/05/89	17:40		SWH-FO-06-02		54	137.9				
10/05/89	19:21		SWH-FO-06-02		52	139.6				
10/05/89	21:53		SWH-FO-06-02		50	142.1	57	1300000	73.9	
10/05/89	22:43	midpoint				142.9				
10/05/89	23:33		SWH-FO-06-03		48	143.8				

FINE OVERSIZE (FO) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/06/89	01:39		SWH-FO-06-03		46	145.9				
10/06/89	03:31		SWH-FO-06-03		43	147.7	49	1300000	63.6	
10/06/89	03:44					147.9				
10/06/89	03:58	FO-10		22		148.2				
FO-6 contained material collected during operating periods not within the scope of the							1007		906.9	900185
					Two Significant Figures...				910	900 mg\kg

000164

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
09/29/89	23:48					0				
09/29/89	23:51					0.1				
09/30/89	02:10		SWH-CO-01-01		55	2.4				
09/30/89	03:44		SWH-CO-01-01		54	3.9				
09/30/89	05:32		SWH-CO-01-01		52	5.7	129	1500000	194.1	
09/30/89	06:26	midpoint				6.6				
09/30/89	07:20		SWH-CO-01-02		53	7.5				
09/30/89	10:00	CO-8		43		10.2				
09/30/89	10:25		SWH-CO-01-02		70	10.6				
09/30/89	11:55		SWH-CO-01-02		78	12.1	107	1200000	128.5	
09/30/89	12:30	irreg. perf. begins				12.7				
09/30/89	18:30	irreg. perf. ends				18.7				
09/30/89	19:15	CO-9		33		19.5				
09/30/89	20:06		SWH-CO-01-04		75	20.3				
09/30/89	22:08		SWH-CO-01-04		70	22.3				
10/01/89	00:32		SWH-CO-01-04		64	24.7	154	1100000	169.1	
10/01/89	01:23	midpoint				25.6				
10/01/89	02:15		SWH-CO-02-01		63	26.5				
10/01/89	03:35	CO-10		51		27.8				
10/01/89	04:05		SWH-CO-02-01		61	28.3				
10/01/89	05:49		SWH-CO-02-01		61	30.0	121	970000	117.0	
10/01/89	06:49	midpoint				31.0				
10/01/89	07:50		SWH-CO-02-02		61	32.0				
10/01/89	09:48		SWH-CO-02-02		70	34.0				
10/01/89	11:48		SWH-CO-02-02		78	36.0	130	830000	108.2	
10/01/89	12:53	midpoint				37.1				

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/01/89	12:53	CO-11		47		37.1				
10/01/89	13:56		SWH-CO-02-03		85	38.1				
10/01/89	16:00		SWH-CO-02-03		90	40.2				
10/01/89	17:49		SWH-CO-02-03		82	42.0	103	680000	70.0	
10/01/89	18:54	midpoint				43.1				
10/01/89	20:00		SWH-CO-02-04		20	44.2				
10/01/89	22:14		SWH-CO-02-04		54	46.4				
10/01/89	23:38		SWH-CO-02-04		50	47.8	81	1400000	113.9	
10/01/89	23:40					47.9				
10/02/89	00:45	CO-12		38		49.0				
10/03/89	03:47					76.0				
10/03/89	05:35	CO-14		95		77.8				
10/03/89	08:00					80.2				
10/03/89	10:01		SWH-CO-04-01		37	82.2				
10/03/89	11:16	CO-15		72		83.5				
10/03/89	11:57		SWH-CO-04-01		55	84.2				
10/03/89	14:35		SWH-CO-04-01		46	86.8	252	1400000	353.4	
10/03/89	15:27	midpoint				87.7				
10/03/89	16:15	CO-16		77		88.5				
10/03/89	16:19		SWH-CO-04-02		50	88.5				
10/03/89	17:43		SWH-CO-04-02		48	89.9				
10/03/89	20:04		SWH-CO-04-02		43	92.3	212	1600000	338.5	
10/03/89	21:10	midpoint				93.4				
10/03/89	21:10	CO-17		82		93.4				
10/03/89	22:15		SWH-CO-04-03		37	94.5				
10/03/89	23:08		SWH-CO-04-03		39	95.3				

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/04/89	01:54	CO-18		86		98.1				
10/04/89	01:56		SWH-CO-04-03		34	98.1	219	1300000	284.3	
10/04/89	02:51	midpoint				99.1				
10/04/89	03:46		SWH-CO-04-04		28	100.0				
10/04/89	06:02		SWH-CO-04-04		28	102.2				
10/04/89	07:36		SWH-CO-04-04		30	103.8	218	150000	32.7	
10/04/89	07:45	CO-19		79		104.0				
10/04/89	08:50	midpoint				105.0				
10/04/89	10:04		SWH-CO-05-01		46	106.3				
10/04/89	11:59		SWH-CO-05-01		63	108.2				
10/04/89	12:35	CO-20		86		108.8				
10/04/89	13:35		SWH-CO-05-01		59	109.8	252	1100000	277.7	
10/04/89	15:44	midpoint				111.9				
10/04/89	17:53		SWH-CO-05-02		54	114.1				
10/04/89	18:20	CO-21		74		114.5				
10/04/89	19:53		SWH-CO-05-02		52	116.1				
10/04/89	21:30		SWH-CO-05-02		50	117.7	222	1300000	288.3	
10/04/89	22:35	midpoint				118.8				
10/04/89	23:05	CO-22		69		119.3				
10/04/89	23:41		SWH-CO-05-03		48	119.9				
10/05/89	01:26		SWH-CO-05-03		46	121.6				
10/05/89	03:40		SWH-CO-05-03		48	123.9	190	1400000	266.5	
10/05/89	04:51	midpoint				125.1				
10/05/89	06:02		SWH-CO-05-04		46	126.2				
10/05/89	07:26		SWH-CO-05-04		46	127.6				
10/05/89	07:31	CO-23		67		127.7				

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	PENTA CONC. (ug/kg)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/kg)
10/05/89	10:12		SWH-CO-05-04		52	130.4	181	1000000	180.8	
10/05/89	11:03	midpoint				131.3				
10/05/89	11:55		SWH-CO-06-01		66	132.1				
10/05/89	14:22	CO-24		62		134.6				
10/05/89	14:30		SWH-CO-06-01		66	134.7				
10/05/89	15:51		SWH-CO-06-01		55	136.1	230	3400000	783.2	
10/05/89	16:49	midpoint				137.0				
10/05/89	17:47		SWH-CO-06-02		54	138.0				
10/05/89	17:48	CO-25		123		138.0				
10/05/89	19:26		SWH-CO-06-02		52	139.6				
10/05/89	21:48		SWH-CO-06-02		59	142.0	184	2100000	387.3	
10/05/89	22:43	midpoint				142.9				
10/05/89	23:39		SWH-CO-06-03		48	143.9				
10/06/89	01:42		SWH-CO-06-03		46	145.9				
10/06/89	02:46	CO-26		58		147.0				
10/06/89	03:39		SWH-CO-06-03		43	147.9	146	1800000	262.7	
10/06/89	03:44					147.9				
10/06/89	04:03	CO-27		91		148.3				
							3132		4356.2	1390837

Two Significant Figures... 4400 1400 mg\kg

000168

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	TANK NO	SAMPLE ID	----CDE RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/L)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/L)
09/29/89	23:48					0					
09/30/89	01:17	#1				1.5					
09/30/89	02:03		SWH-CDE-01-01			2.3	55				
09/30/89	03:31	#1		4.25	2127	3.7					
09/30/89	03:42		SWH-CDE-01-01			3.9	54				
09/30/89	05:11	#1		4.84	2421	5.4					
09/30/89	05:15		SWH-CDE-01-01			5.5	52	6689	99000	662.2	
09/30/89	06:15	midpoint				6.5					
09/30/89	06:59	#1		5.20	2601	7.2					
09/30/89	07:16		SWH-CDE-01-02			7.5	53				
09/30/89	09:35	#1		4.68	2344	9.8					
09/30/89	09:58	#1		2.19	1095	10.2					
09/30/89	10:39		SWH-CDE-01-02			10.9	70				
09/30/89	10:48	#1		3.25	1626	11.0					
09/30/89	10:48	#2				11.0					
09/30/89	11:58		SWH-CDE-01-02			12.2	77	5949	170000	1011.4	
09/30/89	12:25	#2		3.94	1972	12.6					
09/30/89	12:30	system irreg. begins				12.7					
09/30/89	15:05	#2		4.07	2038	15.3					
09/30/89	16:36	#2		3.92	1961	16.8					
09/30/89	18:30	system irreg. ends				18.7					
09/30/89	18:51	#2		4.22	2114	19.1					
09/30/89	20:00		SWH-CDE-01-04			20.2	75				
09/30/89	20:44	#2		3.28	1639	20.9					
09/30/89	21:50		SWH-CDE-01-04			22.0	70				
09/30/89	23:59		SWH-CDE-01-04			24.2	64	5718	130000	743.4	

000169

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	TANK NO	SAMPLE ID	CDE RATE (gpm)	CDE RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/L)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/L)
10/01/89	01:04	midpoint				25.3					
10/01/89	01:15	#2		4.04	2021	25.5					
10/01/89	02:10		SWH-CDE-02-01			26.4	63				
10/01/89	02:37	#2		3.66	1833	26.8					
10/01/89	03:57		SWH-CDE-02-01			28.2	61				
10/01/89	04:43	#2		4.31	2158	28.9					
10/01/89	05:53		SWH-CDE-02-01			30.1	61	5390	110000	592.9	
10/01/89	06:55	midpoint				31.1					
10/01/89	07:09	#2		4.06	2032	31.4					
10/01/89	07:58		SWH-CDE-02-02			32.2	61				
10/01/89	08:22	#2		4.18	2093	32.6					
10/01/89	09:43		SWH-CDE-02-02			33.9	70				
10/01/89	10:08	#2		3.67	1835	34.3					
10/01/89	10:40		SWH-CDE-02-02			34.9	78	4883	120000	586.0	
10/01/89	12:21	midpoint				36.6					
10/01/89	13:15	#2		4.07	2036	37.5					
10/01/89	13:15	#1				37.5					
10/01/89	14:02		SWH-CDE-02-03			38.2	85				
10/01/89	15:17	#1		3.24	1621	39.5					
10/01/89	15:41		SWH-CDE-02-03			39.9	90				
10/01/89	17:21	#1		3.81	1904	41.6					
10/01/89	17:42		SWH-CDE-02-03			41.9	82	5472	88000	481.6	
10/01/89	18:54	midpoint				43.1					
10/01/89	19:27	#1		3.86	1931	43.7					
10/01/89	20:06		SWH-CDE-02-04			44.3	68				
10/01/89	22:00	#1		3.72	1860	46.2					

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	TANK NO	SAMPLE ID	CDE RATE (gpm)	CDE RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/L)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/L)
10/01/89	22:21		SWH-CDE-02-04			46.6	54				
10/01/89	23:32		SWH-CDE-02-04			47.7	50	4048	61000	246.9	
10/01/89	23:40					47.9					
10/02/89	00:22	#1		3.74	1870	48.6					
10/03/89	07:31	#2				79.7					
10/03/89	08:00					80.2					
10/03/89	10:08		SWH-CDE-04-01			82.3	37				
10/03/89	10:25	#2		3.49	1748	82.6					
10/03/89	11:51		SWH-CDE-04-01			84.1	55				
10/03/89	12:15	#2		3.37	1686	84.5					
10/03/89	14:31		SWH-CDE-04-01			86.7	46	5883	48000	282.4	
10/03/89	14:50	#2		3.69	1845	87.0					
10/03/89	15:21	midpoint				87.6					
10/03/89	16:12		SWH-CDE-04-02			88.4	50				
10/03/89	17:39		SWH-CDE-04-02			89.9	48				
10/03/89	19:26	#2		3.36	1682	91.6					
10/03/89	20:05		SWH-CDE-04-02			92.3	43	4394	46000	202.1	
10/03/89	21:11	midpoint				93.4					
10/03/89	21:30	#2		3.23	1616	93.7					
10/03/89	22:17		SWH-CDE-04-03			94.5	37				
10/03/89	22:52	#2		3.26	1633	95.1					
10/03/89	23:07		SWH-CDE-04-03			95.3	39				
10/03/89	23:39	#2		3.22	1609	95.9					
10/04/89	01:29	#2		3.15	1577	97.7					
10/04/89	01:52		SWH-CDE-04-03			98.1	34	4249	44000	187.0	
10/04/89	02:55	midpoint				99.1					

000171

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	TANK NO	SAMPLE ID	CDE RATE (gpm)	CDE RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/L)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/L)
10/04/89	03:34	#2		3.44	1722	99.8					
10/04/89	03:58		SWH-CDE-04-04			100.2	28				
10/04/89	05:29	#2		3.35	1678	101.7					
10/04/89	06:00		SWH-CDE-04-04			102.2	28				
10/04/89	07:30	#2		3.47	1738	103.7					
10/04/89	07:45		SWH-CDE-04-04			104.0	30	4696	45000	211.3	
10/04/89	08:56	midpoint				105.1					
10/04/89	09:33	#1				105.8					
10/04/89	10:08		SWH-CDE-05-01			106.3	46				
10/04/89	10:28	#1		2.48	1241	106.7					
10/04/89	12:12		SWH-CDE-05-01			108.4	61				
10/04/89	12:24	#1		2.75	1374	108.6					
10/04/89	13:40		SWH-CDE-05-01			109.9	59	3937	51000	200.8	
10/04/89	14:04	#1		2.88	1443	110.3					
10/04/89	15:51	midpoint				112.0					
10/04/89	17:36	#1		1.93	964	113.8					
10/04/89	18:02		SWH-CDE-05-02			114.2	54				
10/04/89	19:38	#1		2.64	1323	115.8					
10/04/89	19:47		SWH-CDE-05-02			116.0	52				
10/04/89	21:25	#1		3.08	1541	117.6					
10/04/89	21:26		SWH-CDE-05-02			117.6	50	4040	77000	311.1	
10/04/89	22:31	midpoint				118.7					
10/04/89	23:37		SWH-CDE-05-03			119.8	48				
10/04/89	23:50	#1		3.20	1602	120.0					
10/05/89	01:25		SWH-CDE-05-03			121.6	46				
10/05/89	01:45	#1		3.06	1532	122.0					

000172

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	TANK NO	SAMPLE ID	----CDE RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/L)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/L)
10/05/89	03:32	#1		2.69	1346	123.7					
10/05/89	03:45		SWH-CDE-05-03			124.0	48	4289	63000	270.2	
10/05/89	04:59	midpoint				125.2					
10/05/89	05:35	#1		2.76	1383	125.8					
10/05/89	06:14		SWH-CDE-05-04			126.4	46				
10/05/89	07:42	#1		2.15	1078	127.9					
10/05/89	07:49		SWH-CDE-05-04			128.0	46				
10/05/89	10:12		SWH-CDE-05-04			130.4	52	3123	44000	137.4	
10/05/89	10:45	#1		2.12	1059	131.0					
10/05/89	11:05	midpoint				131.3					
10/05/89	11:58		SWH-CDE-06-01			132.2	66				
10/05/89	14:25		SWH-CDE-06-01			134.6	64				
10/05/89	14:50	#1		3.32	1661	135.0					
10/05/89	15:20	#1		2.02	1009	135.5					
10/05/89	15:20	#2				135.5					
10/05/89	15:56		SWH-CDE-06-01			136.1	55	3743	63000	235.8	
10/05/89	16:51	midpoint				137.1					
10/05/89	17:28	#2		1.99	994	137.7					
10/05/89	17:47		SWH-CDE-06-02			138.0	54				
10/05/89	19:22		SWH-CDE-06-02			139.6	50				
10/05/89	19:34	#2		2.48	1243	139.8					
10/05/89	21:26	#2		2.29	1146	141.6					
10/05/89	22:08		SWH-CDE-06-02			142.3	50	3145	51000	160.4	
10/05/89	22:52	midpoint				143.1					
10/05/89	23:27	#2		2.18	1093	143.7					
10/05/89	23:37		SWH-CDE-06-03			143.8	48				

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	TANK NO	SAMPLE ID	----CDE RATE---- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/L)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/L)
10/06/89	01:29	#2		2.42	1213	145.7					
10/06/89	01:45		SWH-CDE-06-03			146.0	46				
10/06/89	03:28	#2		2.43	1217	147.7					
10/06/89	03:42		SWH-CDE-06-03			147.9	43	2647	36000	95.3	
10/06/89	03:44					147.9					
10/06/89	05:22	#2		2.13	1065	149.6					
								82295		6618.0	80418

Two Significant Figures... 6600 80 mg/l

000174

ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	TANK NO.	SAMPLE ID	(gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/L)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/L)
09/29/89	23:48					0					
09/30/89	01:17	#4				1.5					
09/30/89	02:08		SWH-ATW-01-01			2.3	55				
09/30/89	03:31	#4		3.80	1903	3.7					
09/30/89	05:11	#4		3.79	1898	5.4					
09/30/89	05:28		SWH-ATW-01-01			5.7	52				
09/30/89	05:45	#4		2.69	1344	6.0					
09/30/89	05:45	#3				6.0					
09/30/89	06:59	#3		3.67	1834	7.2					
09/30/89	09:35	#3		3.66	1832	9.8					
09/30/89	09:58	#3		1.38	691	10.2					
09/30/89	10:23		SWH-ATW-01-01			10.6	68	10211	2400	24.5	
09/30/89	10:47	#3		3.30	1652	11.0					
09/30/89	12:25	#3		3.33	1668	12.6					
09/30/89	12:30	system irreg. begin				12.7					
09/30/89	15:05	#3		3.35	1677	15.3					
09/30/89	16:36	#3		3.13	1566	16.8					
09/30/89	18:30	system irreg. end				18.7					
09/30/89	18:51	#3		3.29	1644	19.1					
09/30/89	20:08		SWH-ATW-01-02			20.3	75				
09/30/89	20:44	#3		3.77	1888	20.9					
09/30/89	22:13		SWH-ATW-01-02			22.4	70				
10/01/89	00:07		SWH-ATW-01-02			24.3	64	5582	3900	21.8	
10/01/89	01:15	#3		3.52	1761	25.5					
10/01/89	01:22	midpoint				25.6					

ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	TANK NO.	SAMPLE ID	(gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/L)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/L)
10/01/89	02:37	#3		3.65	1827	26.8					
10/01/89	04:12		SWH-ATW-02-01			28.4	61				
10/01/89	04:43	#3		3.78	1891	28.9					
10/01/89	07:09	#4				31.4					
10/01/89	07:55		SWH-ATW-02-01			32.1	61				
10/01/89	08:22	#4		3.61	1809	32.6					
10/01/89	10:08	#4		3.38	1692	34.3					
10/01/89	11:47		SWH-ATW-02-01			36.0	79	10124	2700	27.3	
10/01/89	13:15	#4		3.52	1761	37.5					
10/01/89	13:49	midpoint				38.0					
10/01/89	15:17	#4		3.39	1696	39.5					
10/01/89	15:52		SWH-ATW-02-02			40.1	90				
10/01/89	17:21	#4		3.20	1602	41.6					
10/01/89	19:27	#4		3.30	1650	43.7					
10/01/89	20:04		SWH-ATW-02-02			44.3	68				
10/01/89	22:00	#4		3.25	1625	46.2					
10/01/89	23:40					47.9					
10/01/89	23:40		SWH-ATW-02-02			47.9	50	7228	4200	30.4	
10/02/89	00:22	#4		3.04	1519	48.6					
10/03/89	07:33	#4				79.8					
10/03/89	08:00					80.2					
10/03/89	10:25	#4		2.99	1496	82.6					
10/03/89	11:54		SWH-ATW-04-01			84.1	55				
10/03/89	12:15	#4		3.27	1635	84.5					
10/03/89	14:50	#4		3.36	1680	87.0					

000176

ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	TANK NO.	SAMPLE ID	(gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/L)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/L)
10/03/89	16:11		SWH-ATW-04-01			88.4	50				
10/03/89	16:36	#4		2.84	1421	88.8					
10/03/89	19:26	#4		3.30	1653	91.6					
10/03/89	20:13		SWH-ATW-04-01			92.4	43	9928	2300	22.8	
10/03/89	21:30	#3				93.7					
10/03/89	21:42	midpoint				93.9					
10/03/89	22:52	#3		2.99	1496	95.1					
10/03/89	23:12		SWH-ATW-04-02			95.4	39				
10/03/89	23:39	#3		2.85	1427	95.9					
10/04/89	01:30	#3		2.85	1425	97.7					
10/04/89	03:35	#3		2.98	1491	99.8					
10/04/89	03:48		SWH-ATW-04-02			100.0	28				
10/04/89	05:30	#3		3.10	1552	101.7					
10/04/89	07:31	#3		3.01	1505	103.7					
10/04/89	07:36		SWH-ATW-04-02			103.8	30	8234	2400	19.8	
10/04/89	09:33	#3		3.20	1603	105.8					
10/04/89	09:46	midpoint				106.0					
10/04/89	10:28	#3		2.49	1248	106.7					
10/04/89	11:57		SWH-ATW-05-01			108.2	63				
10/04/89	12:24	#3		2.73	1364	108.6					
10/04/89	14:04	#3		2.82	1413	110.3					
10/04/89	17:36	#3		2.14	1073	113.8					
10/04/89	17:57		SWH-ATW-05-01			114.2	54				
10/04/89	19:38	#3		2.57	1287	115.8					
10/04/89	21:25	#4				117.6					

000177

ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	TANK NO.	SAMPLE ID	(gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/L)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/L)
10/04/89	21:28		SWH-ATW-05-01			117.7	50	7838	2800	21.9	
10/04/89	23:30	midpoint				119.7					
10/04/89	23:50	#4		2.59	1295	120.0					
10/05/89	01:32		SWH-ATW-05-02			121.7	46				
10/05/89	01:48	#4		2.60	1301	122.0					
10/05/89	03:35	#4		2.51	1255	123.8					
10/05/89	05:38	#4		2.18	1088	125.8					
10/05/89	06:06		SWH-ATW-05-02			126.3	46				
10/05/89	07:39	#4		2.28	1142	127.9					
10/05/89	10:05		SWH-ATW-05-02			130.3	52	6534	2500	16.3	
10/05/89	10:45	#4		1.72	863	131.0					
10/05/89	12:19	midpoint				132.5					
10/05/89	14:34		SWH-ATW-06-01			134.8	64				
10/05/89	14:50	#4		2.49	1245	135.0					
10/05/89	15:20	#4		4.30	2154	135.5					
10/05/89	16:34	#3				136.8					
10/05/89	17:28	#3		1.74	872	137.7					
10/05/89	17:40		SWH-ATW-06-01			137.9	54				
10/05/89	19:34	#3		2.37	1186	139.8					
10/05/89	21:26	#3		2.18	1092	141.6					
10/05/89	21:48		SWH-ATW-06-01			142.0	50	5769	2300	13.3	
10/05/89	23:27	#3		1.78	889	143.7					
10/05/89	23:43	midpoint				143.9					
10/06/89	01:30	#3		2.38	1190	145.7					
10/06/89	01:39		SWH-ATW-06-02			145.9	46				

000178

ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST

Penta Inventory

DATE	TIME	TANK NO.	SAMPLE ID	(gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (liters)	PENTA CONC. (ug/L)	PENTA FLOW DURING COMPOSITE PERIOD (g)	AVERAGE PENTA CONC. (ug/L)
10/06/89	03:29	#3		2.26	1132	147.7					
10/06/89	03:34		SWH-ATW-06-02			147.8	43	2107	2200	4.6	
10/06/89	03:44					147.9					
10/06/89	05:22	#3		1.38	691	149.6					
								73554		202.7	2756
						Two Significant Figures...				200	2.8 mg/l

0001179

POLYNUCLEAR AROMATIC HYDROCARBON (PAH) INVENTORY: CARCINOGENIC

WASHED SOIL -- LOW SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	WS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/25/89	12:37	TIME ZERO				0									
09/25/89	14:05					1.5									
09/25/89	14:37		SWL-WS-01-01			2.0									
09/25/89	15:05	WS-1		549		2.5									
09/25/89	16:26	WS-2		608		3.8									
09/25/89	16:40		SWL-WS-01-01			4.0									
09/25/89	17:26	WS-3		745		4.8									
09/25/89	18:35	WS-4		630		6.0									
09/25/89	18:37		SWL-WS-01-01			6.0	1961	230	0.5	280	0.5	140	0.3	650	1.3
09/25/89	19:50	midpoint				7.2									
09/25/89	19:54	WS-1		540		7.3									
09/25/89	21:00	WS-2		646		8.4									
09/25/89	21:04		SWL-WS-01-02			8.4									
09/25/89	22:10	WS-3		641		9.6									
09/25/89	22:50		SWL-WS-01-02			10.2									
09/25/89	23:30	WS-4		625		10.9									
09/26/89	00:37		SWL-WS-01-02			12.0	1630	230	0.4	280	0.5	140	0.2	650	1.1
09/26/89	00:45	WS-1		580		12.1									
09/26/89	01:35	midpoint				13.0									
09/26/89	01:47	WS-3		653		13.2									
09/26/89	02:33		SWL-WS-01-03			13.9									
09/26/89	02:51	WS-1		646		14.2									
09/26/89	03:58	WS-3	BROKEN SCALE	639		15.3									
09/26/89	04:37		SWL-WS-01-03			16.0									
09/26/89	05:08	WS-1		617		16.5									
09/26/89	06:17	WS-3		639		17.7									

0001181

WASHED SOIL -- LOW SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	WS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/26/89	06:27		SWL-WS-01-03			17.8	1755	230	0.4	1100	1.9	140	0.2	1470	2.6
09/26/89	07:33	WS-1		636		18.9									
09/26/89	07:40	midpoint				19.0									
09/26/89	08:38	WS-3		650		20.0									
09/26/89	08:53		SWL-WS-01-04			20.3									
09/26/89	09:44	WS-5		676		21.1									
09/26/89	10:43		SWL-WS-01-04			22.1									
09/26/89	11:03	WS-3		623		22.4									
09/26/89	12:16	WS-5		704		23.6									
09/26/89	13:08		SWL-WS-01-04			24.5	2064	1900	3.9	5700	11.8	870	1.8	8470	17.5
09/26/89	13:34	WS-6		657		24.9									
09/26/89	14:32	midpoint				25.9									
09/26/89	14:45	WS-5		671		26.1									
09/26/89	15:36		SWL-WS-02-01			27.0									
09/26/89	15:56	WS-6		692		27.3									
09/26/89	16:36		SWL-WS-02-01			28.0									
09/26/89	17:11	WS-5		572		28.6									
09/26/89	17:59		SWL-WS-02-01			29.4	1495	250	0.4	300	0.4	150	0.2	700	1.0
09/26/89	18:15	WS-6		686		29.6									
09/26/89	19:32	WS-5		607		30.9									
09/26/89	19:42	midpoint				31.1									
09/26/89	20:46	WS-7		630		32.2									
09/26/89	21:25		SWL-WS-02-02			32.8									
09/26/89	22:00	WS-5		620		33.4									
09/26/89	22:34		SWL-WS-02-02			33.9									
09/26/89	23:20	WS-7		572		34.7									

0001182

MUNICIPAL WATER (MW) -- LOW SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	MW FLOW DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
09/25/89	12:37				0										
09/25/89	15:24	SWL-MW-01-01			2.8	70									
09/25/89	15:28		6.60	3303	2.8										
09/25/89	17:01		5.70	2852	4.4										
09/25/89	19:05	SWL-MW-01-01			6.5	40									
09/25/89	19:24		5.96	2982	6.8										
09/25/89	21:25		6.25	3128	8.8										
09/25/89	23:00	SWL-MW-01-01			10.4	36	14019	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
09/25/89	23:05		5.75	2877	10.5										
09/25/89	00:56	midpoint			12.3										
09/26/89	01:14		5.36	2682	12.6										
09/26/89	02:01		5.40	2702	13.4										
09/26/89	02:52	SWL-MW-01-02			14.3	34									
09/26/89	03:10		5.35	2677	14.5										
09/26/89	04:00		5.29	2647	15.4										
09/26/89	05:13		5.38	2692	16.6										
09/26/89	06:04		5.34	2672	17.4										
09/26/89	06:43	SWL-MW-01-02			18.1	33									
09/26/89	07:06		5.13	2567	18.5										
09/26/89	08:00		5.08	2542	19.4										
09/26/89	10:05		5.00	2502	21.5										
09/26/89	10:47	SWL-MW-01-02			22.2		18664	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
09/26/89	11:12		4.98	2492	22.6										
09/26/89	12:56	midpoint			24.3										
09/26/89	13:51		4.74	2372	25.2										
09/26/89	15:05	SWL-MW-02-01			26.5	60									

0001183

MUNICIPAL WATER (MW) -- LOW SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	MW FLOW DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
09/26/89	15:53		5.12	2562	27.3										
09/26/89	17:04		5.17	2587	28.4										
09/26/89	18:30	SWL-MW-02-01			29.9	40									
09/26/89	18:43		5.20	2602	30.1										
09/26/89	20:48		3.95	1977	32.2										
09/26/89	22:49	SWL-MW-02-01			34.2	49	15056	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
09/26/89	23:18		5.75	2877	34.7										
09/27/89	00:27		4.26	2132	35.8										
09/27/89	00:53	midpoint			36.3										
09/27/89	02:31		5.18	2592	37.9										
09/27/89	02:58	SWL-MW-02-02			38.3	48									
09/27/89	04:20		4.89	2447	39.7										
09/27/89	06:40	SWL-MW-02-02			42.0	36									
09/27/89	07:01		4.90	2452	42.4										
09/27/89	11:05	SWL-MW-02-02			46.5	40	13972	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
09/27/89	11:29		3.60	1801	46.9										
09/27/89	12:30		3.51	1756	47.9										
09/27/89	15:07				50.5										
09/27/89	15:29		3.83	1917	50.9										
							61711	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
								(WTD AVG)		(WTD AVG)		(WTD AVG)		(WTD AVG)	
					TWO SIGNIFICANT FIGURES:			0	0	0	0	0	0	0	0
								(mg/l)		(mg/l)		(mg/l)		(mg/l)	

000184

WASHED SOIL -- LOW SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	WS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/27/89	00:37	WS-5		566		36.0									
09/27/89	01:10		SWL-WS-02-02			36.6	1613	220	0.4	840	1.4	140	0.2	1200	1.9
09/27/89	01:58	midpoint				37.3									
09/27/89	02:19	WS-8		467		37.7									
09/27/89	02:46		SWL-WS-02-03			38.2									
09/27/89	03:58	WS-5		462		39.3									
09/27/89	04:35		SWL-WS-02-03			40.0									
09/27/89	05:45	WS-8		408		41.1									
09/27/89	06:33		SWL-WS-02-03			41.9	1314	330	0.4	1200	1.6	150	0.2	1680	2.2
09/27/89	07:30	WS-5		439		42.9									
09/27/89	08:41	midpoint				44.1									
09/27/89	09:27	WS-8		400		44.8									
09/27/89	10:49		SWL-WS-02-04			46.2									
09/27/89	11:51	WS-5***		331		47.2									
09/27/89	12:12		SWL-WS-02-04			47.6									
09/27/89	13:30	WS-9		437		48.9									
09/27/89	14:47		SWL-WS-02-04			50.2	1106	330	0.4	1200	1.3	150	0.2	1680	1.9
09/27/89	15:07					50.5									
09/27/89	15:31	WS-10		382		50.9									
							12937	516 (WTD AVG)	6.7	1500 (WTD AVG)	19.4	260 (WTD AVG)	3.4	2276 (WTD AVG)	29.4
			TWO SIGNIFICANT FIGURES:					0.52 (mg/kg)	6.7	1.5 (mg/kg)	19	0.26 (mg/kg)	3.4	2.3 (mg/kg)	29

000185

FEED SOIL (FS) -- LOW SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/25/89	12:37			0										
09/25/89	15:05	SWL-FS-01-01		2.5	70									
09/25/89	15:28			2.8										
09/25/89	16:37	SWL-FS-01-01		4.0	60									
09/25/89	17:00		670	4.4										
09/25/89	18:31	SWL-FS-01-01		5.9		2071	3300	6.8	9800	20.3	2000	4.1	15100	31.3
09/25/89	19:22		583	6.8										
09/25/89	19:47	midpoint		7.2										
09/25/89	21:04	SWL-FS-01-02		8.4	36									
09/25/89	21:24		583	8.8										
09/25/89	22:50	SWL-FS-01-02		10.2	36									
09/25/89	23:03		591	10.4										
09/26/89	00:37	SWL-FS-01-02		12.0	35	1506	3000	4.5	14000	21.1	2600	3.9	19600	29.5
09/26/89	01:12		542	12.6										
09/26/89	01:33	midpoint		12.9										
09/26/89	02:00		674	13.4										
09/26/89	02:30	SWL-FS-01-03		13.9	34									
09/26/89	03:10		577	14.5										
09/26/89	04:00		559	15.4										
09/26/89	04:34	SWL-FS-01-03		15.9	33									
09/26/89	05:13		604	16.6										
09/26/89	06:04		569	17.4										
09/26/89	06:25	SWL-FS-01-03		17.8	33	1660	3500	5.8	9800	16.3	2000	3.3	15300	25.4
09/26/89	07:06		627	18.5										
09/26/89	07:42	midpoint		19.1										
09/26/89	08:00		586	19.4										

000186

FEED SOIL (FS) -- LOW SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/26/89	09:00	SWL-FS-01-04		20.4	50									
09/26/89	10:03		595	21.4										
09/26/89	10:27	SWL-FS-01-04		21.8	50									
09/26/89	11:12		577	22.6										
09/26/89	13:37	SWL-FS-01-04		25.0	62	1750	5100	8.9	14000	24.5	2400	4.2	21500	37.6
09/26/89	13:50		552	25.2										
09/26/89	14:25	midpoint		25.8										
09/26/89	15:14	SWL-FS-02-01		26.6	62									
09/26/89	15:52		590	27.2										
09/26/89	16:32	SWL-FS-02-01		27.9	64									
09/26/89	17:03		500	28.4										
09/26/89	18:15	SWL-FS-02-01		29.6	41	1303	4900	6.4	15000	19.6	2700	3.5	22600	29.5
09/26/89	18:42		512	30.1										
09/26/89	19:45	midpoint		31.1										
09/26/89	20:46		554	32.2										
09/26/89	21:16	SWL-FS-02-02		32.6	50									
09/26/89	22:44	SWL-FS-02-02		34.1	49									
09/26/89	23:17		488	34.7										
09/27/89	00:26		423	35.8										
09/27/89	01:38	SWL-FS-02-02		37.0	46	1291	5300	6.8	10000	12.9	1200	1.5	16500	21.3
09/27/89	02:11	midpoint		37.6										
09/27/89	02:30		326	37.9										
09/27/89	02:45	SWL-FS-02-03		38.1	48									
09/27/89	04:20		301	39.7										
09/27/89	04:32	SWL-FS-02-03		39.9	46									
09/27/89	06:43	SWL-FS-02-03		42.1	36	875	3100	2.7	9200	8.1	2000	1.8	14300	12.5

FEED SOIL (FS) -- LOW SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/27/89	07:00		304	42.4										
09/27/89	08:42	midpoint		44.1										
09/27/89	10:31		274	45.9										
09/27/89	10:42	SWL-FS-02-04		46.1	52									
09/27/89	11:23		269	46.8										
09/27/89	12:03	SWL-FS-02-04		47.4	66									
09/27/89	12:30		265	47.9										
09/27/89	15:00	SWL-FS-02-04		50.4	74	753	2800	2.1	2800	2.1	2000	1.5	7600	5.7
09/27/89	15:07			50.5										
09/27/89	15:28		243	50.8										
						11210	3937 (WTD AVG)	44.1	11130 (WTD AVG)	124.8	2132 (WTD AVG)	23.9	17200 (WTD AVG)	192.8
		TWO SIGNIFICANT FIGURES:					3.9 (mg/kg)	44	11 (mg/kg)	120	2.1 (mg/kg)	24	17 (mg/kg)	190

000188

FINE PARTICLE CAKE (FPC) -- LOW SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
09/25/89	12:37					0									
09/25/89	14:51		SWL-FPC-01-01		70	2.2									
09/25/89	15:43	FPC-1		58		3.1									
09/25/89	16:50		SWL-FPC-01-01		60	4.2									
09/25/89	18:49		SWL-FPC-01-01		40	6.2	195	4700	0.9	13000	2.5	3000	0.6	20700	4.0
09/25/89	20:02	midpoint				7.4									
09/25/89	21:15		SWL-FPC-01-02		36	8.6									
09/25/89	22:40		SWL-FPC-01-02		36	10.0									
09/25/89	23:15	FPC-2 *		58		10.6									
09/26/89	00:49		SWL-FPC-01-02		35	12.2	215	11000	2.4	33000	7.1	4200	0.9	48200	10.4
09/26/89	01:47	midpoint				13.2									
09/26/89	02:44	FPC-3		113		14.1									
09/26/89	02:46		SWL-FPC-01-03		34	14.2									
09/26/89	04:49		SWL-FPC-01-03		33	16.2									
09/26/89	05:45	FPC-4		143		17.1									
09/26/89	06:38		SWL-FPC-01-03		33	18.0	382	13000	5.0	32000	12.2	8000	3.1	53000	20.2
09/26/89	07:39	midpoint				19.0									
09/26/89	08:32	FPC-5		160		19.9									
09/26/89	08:40		SWL-FPC-01-04		55	20.1									
09/26/89	10:30		SWL-FPC-01-04		55	21.9									
09/26/89	11:45	FPC-6		143		23.1									
09/26/89	13:23		SWL-FPC-01-04		60	24.8	436	7800	3.4	22000	9.6	8000	3.5	37800	16.5
09/26/89	14:21	midpoint				25.7									
09/26/89	15:19		SWL-FPC-02-01		62	26.7									
09/26/89	15:23	FPC-7		138		26.8									
09/26/89	16:48		SWL-FPC-02-01		64	28.2									

000189

FINE PARTICLE CAKE (FPC) -- LOW SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
09/26/89	18:18		SWL-FPC-02-01		40	29.7	320	12000	3.8	34000	10.9	6500	2.1	52500	16.8
09/26/89	19:03	FPC-8		122		30.4									
09/26/89	19:52	midpoint				31.3									
09/26/89	21:27		SWL-FPC-02-02		50	32.8									
09/26/89	22:25	FPC-9		139		33.8									
09/26/89	22:48		SWL-FPC-02-02		49	34.2									
09/27/89	01:25		SWL-FPC-02-02		48	36.8	328	12000	3.9	39000	12.8	8100	2.7	59100	19.4
09/27/89	02:08	midpoint				37.5									
09/27/89	02:51		SWL-FPC-02-03		48	38.2									
09/27/89	03:23	FPC-10		99		38.8									
09/27/89	04:45		SWL-FPC-02-03		46	40.1									
09/27/89	06:37		SWL-FPC-02-03		36	42.0	277	34000	9.4	37000	10.2	4200	1.2	75200	20.8
09/27/89	08:45	midpoint				44.1									
09/27/89	08:47	FPC-11		91		44.2									
09/27/89	10:53		SWL-FPC-02-04		52	46.3									
09/27/89	12:16		SWL-FPC-02-04		66	47.6									
09/27/89	14:37	FPC-12		77		50.0									
09/27/89	14:56		SWL-FPC-02-04		74	50.3	221	9700	2.1	31000	6.9	2600	0.6	43300	9.6
09/27/89	15:07		END OF TEST			50.5									
							2374	13053 (WTD AVG)	31.0	30421 (WTD AVG)	72.2	6111 (WTD AVG)	14.5	49585 (WTD AVG)	117.7
TWO SIGNIFICANT FIGURES:								13 (mg/kg)	31	30 (mg/kg)	72	6.1 (mg/kg)	15	50 (mg/kg)	120

* Start-of-collection time is an estimate.

000190

FINE OVERSIZE (FO) -- LOW SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/25/89	12:37					0									
09/25/89	14:44		SWL-FO-01-01		70	2.1									
09/25/89	16:45		SWL-FO-01-01		60	4.1									
09/25/89	18:44		SWL-FO-01-01		40	6.1	89	1400	0.1	3800	0.3	800	0.1	6000	0.5
09/25/89	19:00	FO-X		27		6.4									
09/25/89	19:55	midpoint				7.3									
09/25/89	21:07		SWL-FO-01-02		36	8.5									
09/25/89	22:45		SWL-FO-01-02		36	10.1									
09/26/89	00:39		SWL-FO-01-02		35	12.0	68	1900	0.1	5000	0.3	1200	0.1	8100	0.6
09/26/89	01:37	midpoint				13.0									
09/26/89	02:35		SWL-FO-01-03		34	14.0									
09/26/89	04:40		SWL-FO-01-03		33	16.0									
09/26/89	06:28		SWL-FO-01-03		34	17.8	72	3700	0.3	9800	0.7	2400	0.2	15900	1.1
09/26/89	07:36	midpoint				19.0									
09/26/89	08:45		SWL-FO-01-04		55	20.1									
09/26/89	10:25	FO-1		27		21.8									
09/26/89	10:37		SWL-FO-01-04		55	22.0									
09/26/89	13:15		SWL-FO-01-04		60	24.6	87	5100	0.4	15000	1.3	1600	0.1	21700	1.9
09/26/89	14:21	midpoint				25.7									
09/26/89	15:28		SWL-FO-02-01		62	26.8									
09/26/89	16:43		SWL-FO-02-01		64	28.1									
09/26/89	18:01		SWL-FO-02-01		40	29.4	72	1800	0.1	4800	0.3	1100	0.1	7700	0.6
09/26/89	19:40	midpoint				31.1									
09/26/89	21:20		SWL-FO-02-02		50	32.7									
09/26/89	22:37		SWL-FO-02-02		49	34.0									
09/27/89	00:29	FO-2		30		35.9									

FINE OVERSIZE (FO) -- LOW SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/27/89	01:20		SWL-FO-02-02		48	36.7	87	1100	0.1	3800	0.3	1400	0.1	6300	0.5
09/27/89	02:04	midpoint				37.5									
09/27/89	02:49		SWL-FO-02-03		48	38.2									
09/27/89	04:36		SWL-FO-02-03		46	40.0									
09/27/89	06:24		SWL-FO-02-03		36	41.8	92	1500	0.1	1800	0.2	1800	0.2	5100	0.5
09/27/89	08:51	midpoint				44.2									
09/27/89	11:19		SWL-FO-02-04		52	46.7									
09/27/89	12:25		SWL-FO-02-04		66	47.8									
09/27/89	15:07		SWL-FO-02-04		74	50.5	85	3000	0.3	7000	0.6	3400	0.3	13400	1.1
09/27/89	15:07	FO-?	WEIGHT NOT R	30		50.5									
09/27/89	15:07		END OF TEST			50.5									
							653	2427 (WTD AVG)	1.6	6326 (WTD AVG)	4.1	1718 (WTD AVG)	1.1	10471 (WTD AVG)	6.8
			TWO SIGNIFICANT FIGURES:					2.4 (mg/kg)	1.6	6.3 (mg/kg)	4.1	1.7 (mg/kg)	1.1	10 (mg/kg)	6.8

000192

COARSE OVERSIZE (CO) -- LOW SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/25/89	12:37					0									
09/25/89	12:40					0.0									
09/25/89	15:12		SWL-CO-01-01		70	2.6									
09/25/89	16:49		SWL-CO-01-01		60	4.2									
09/25/89	18:15	CO-1		91		5.6									
09/25/89	19:00		SWL-CO-01-01		32	6.4	288	3200	0.9	10000	2.9	1700	0.5	14900	4.3
09/25/89	19:57	midpoint				7.3									
09/25/89	20:55		SWL-CO-01-02		32	8.3									
09/25/89	22:55		SWL-CO-01-02		32	10.3									
09/26/89	00:12	CO-1		71		11.6									
09/26/89	00:53		SWL-CO-01-02		32	12.3	192	2700	0.5	6400	1.2	1100	0.2	10200	2.0
09/26/89	01:51	midpoint				13.2									
09/26/89	02:50		SWL-CO-01-03		32	14.2									
09/26/89	04:54		SWL-CO-01-03		32	16.3									
09/26/89	06:40		SWL-CO-01-03		32	18.0	206	2900	0.6	7800	1.6	1600	0.3	12300	2.5
09/26/89	06:46	CO-2		74		18.1									
09/26/89	07:53	midpoint				19.3									
09/26/89	09:07		SWL-CO-01-04		55	20.5									
09/26/89	10:20		SWL-CO-01-04		55	21.7									
09/26/89	13:03	CO-3		80		24.4									
09/26/89	13:42		SWL-CO-01-04		60	25.1	235	6100	1.4	15000	3.5	1100	0.3	22200	5.2
09/26/89	14:26	midpoint				25.8									
09/26/89	15:10		SWL-CO-02-01		62	26.5									
09/26/89	16:57		SWL-CO-02-01		64	28.3									
09/26/89	18:26		SWL-CO-02-01		32	29.8	191	2700	0.5	5500	1.0	1100	0.2	9300	1.8
09/26/89	19:40	CO-4		77		31.0									

000193

COARSE OVERSIZE (CO) -- LOW SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/26/89	20:00	midpoint				31.4									
09/26/89	21:34		SWL-CO-02-02		50	32.9									
09/26/89	22:50		SWL-CO-02-02		49	34.2									
09/27/89	01:32		SWL-CO-02-02		32	36.9	165	2900	0.5	7300	1.2	430	0.1	10630	1.8
09/27/89	02:15	midpoint				37.6									
09/27/89	02:58		SWL-CO-02-03		48	38.3									
09/27/89	04:49		SWL-CO-02-03		46	40.2									
09/27/89	05:16	CO-5		58		40.6									
09/27/89	06:39		SWL-CO-02-03		32	42.0	163	4300	0.7	12000	2.0	2600	0.4	18900	3.1
09/27/89	08:42	midpoint				44.1									
09/27/89	10:45		SWL-CO-02-04		52	46.1									
09/27/89	12:07		SWL-CO-02-04		66	47.5									
09/27/89	14:44		SWL-CO-02-04		74	50.1	155	3700	0.6	10000	1.5	430	0.1	14130	2.2
09/27/89	15:07					50.5									
09/27/89	15:55	CO-6		53		51.3									
							1594	3598 (WTD AVG)	5.7	9405 (WTD AVG)	15.0	1292 (WTD AVG)	2.1	14295 (WTD AVG)	22.8
TWO SIGNIFICANT FIGURES:								3.6 (mg/kg)	5.7	9.4 (mg/kg)	15	1.3 (mg/kg)	2.1	14 (mg/kg)	23

000194

COMBINED DEWATERING EFFLUENT (CDE) -- LOW SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	TANK NO.	----CDE RATE--- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
09/25/89	12:37				0										
09/25/89	15:18	SWL-CDE-01-01			2.7	70									
09/25/89	15:25	#2			2.8										
09/25/89	16:45	SWL-CDE-01-01			4.1	60									
09/25/89	17:08	#2	5.89	2947	4.5										
09/25/89	18:55	SWL-CDE-01-01			6.3	40	9901	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
09/25/89	19:10	#2	6.37	3186	6.6										
09/25/89	20:04	midpoint			7.4										
09/25/89	21:13	SWL-CDE-01-02			8.6	36									
09/25/89	21:30	#2	4.50	2251	8.9										
09/25/89	22:53	SWL-CDE-01-02			10.3	36									
09/25/89	23:03	#2	6.18	3091	10.4										
09/26/89	00:55	SWL-CDE-01-02			12.3	35	6991	15.7	0.11	14.3	0.10	0.0	0.00	30.1	0.21
09/26/89	01:10	#2	5.14	2573	12.6										
09/26/89	01:55	midpoint			13.3										
09/26/89	02:05	#2	5.18	2590	13.5										
09/26/89	02:55	SWL-CDE-01-03			14.3	34									
09/26/89	03:14	#2	5.19	2595	14.6										
09/26/89	04:04	#2	4.78	2391	15.5										
09/26/89	04:51	SWL-CDE-01-03			16.2	33									
09/26/89	05:17	#2	5.39	2695	16.7										
09/26/89	06:07	#2	5.01	2505	17.5										
09/26/89	06:36	SWL-CDE-01-03			18.0	33	6673	15.7	0.11	14.3	0.10	0.0	0.00	30.1	0.20
09/26/89	07:39	midpoint			19.0										
09/26/89	08:02	#2	5.09	2548	19.4										
09/26/89	08:43	SWL-CDE-01-04			20.1										

000195

COMBINED DEWATERING EFFLUENT (CDE) -- LOW SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	TANK NO.	----CDE RATE--- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
09/26/89	10:30	#2	4.24	2123	21.9										
09/26/89	10:33	SWL-CDE-01-04			21.9	55									
09/26/89	11:07	#1			22.5										
09/26/89	13:23	SWL-CDE-01-04			24.8	61	7037	15.7	0.11	14.3	0.10	0.0	0.00	30.1	0.21
09/26/89	13:49	#1	4.76	2382	25.2										
09/26/89	14:27	midpoint			25.8										
09/26/89	15:32	SWL-CDE-02-01			26.9	62									
09/26/89	15:52	#1	4.90	2450	27.2										
09/26/89	16:52	SWL-CDE-02-01			28.2	64									
09/26/89	17:05	#1	5.11	2559	28.5										
09/26/89	18:10	SWL-CDE-02-01			29.5	40	6029	15.7	0.09	14.3	0.09	0.0	0.00	30.1	0.18
09/26/89	18:42	#1	4.91	2455	30.1										
09/26/89	19:50	midpoint			31.2										
09/26/89	20:51	#1	4.82	2410	32.2										
09/26/89	21:31	SWL-CDE-02-02			32.9	50									
09/26/89	22:46	SWL-CDE-02-02			34.1	49									
09/26/89	23:21	#1	4.68	2341	34.7										
09/27/89	00:35	#1	4.42	2213	36.0										
09/27/89	01:35	SWL-CDE-02-02			37.0	46	6784	17.0	0.12	19.0	0.13	0.0	0.00	36.0	0.24
09/27/89	02:20	midpoint			37.7										
09/27/89	02:34	#1	4.49	2249	38.0										
09/27/89	03:05	SWL-CDE-02-03			38.5	48									
09/27/89	04:25	#1	4.98	2492	39.8										
09/27/89	04:47	SWL-CDE-02-03			40.2	46									
09/27/89	06:35	SWL-CDE-02-03			42.0	36	6978	18.0	0.13	20.0	0.14	0.0	0.00	38.0	0.27
09/27/89	07:04	#1	4.52	2263	42.5										

000196

COMBINED DEWATERING EFFLUENT (CDE) -- LOW SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	TANK NO.		----CDE RATE--- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
09/27/89	08:49	midpoint				44.2										
09/27/89	10:30	#1		4.85	2426	45.9										
09/27/89	11:03		SWL-CDE-02-04			46.4	52									
09/27/89	11:22	#1		4.74	2371	46.7										
09/27/89	12:10		SWL-CDE-02-04			47.5	66									
09/27/89	12:29	#1		4.62	2314	47.9										
09/27/89	12:52	#1		4.46	2229	48.2										
09/27/89	12:52	#2				48.2										
09/27/89	14:51		SWL-CDE-02-04			50.2	74	6457	16.0	0.10	15.0	0.10	0.0	0.00	31.0	0.20
09/27/89	15:07					50.5										
09/27/89	15:27	#2		4.13	2067	50.8										
								56850	13.5 (WTD AVG)	0.77	13.2 (WTD AVG)	0.75	0.0 (WTD AVG)	0.00	26.6 (WTD AVG)	1.51
						TWO SIGNIFICANT FIGURES:			0.013 (mg/l)	0.8	0.013 (mg/l)	0.7	0 (mg/l)	0	0.027 (mg/l)	1.5

000197

WASHED SOIL (WS) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k)-Fluoranthene CONC (ug/kg)	Benzo(k)-Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
09/29/89	23:38					-0.2											
09/29/89	23:48					0											
09/30/89	00:49	WS-X		621		1.0											
09/30/89	01:50		SWH-WS-01-01		55	2.0											
09/30/89	02:26	WS-12		454		2.6											
09/30/89	03:40		SWH-WS-01-01		54	3.9											
09/30/89	04:05	WS-X		454		4.3											
09/30/89	05:12		SWH-WS-01-01		52	5.4	1393	1300	1.8	2400	3.3	750	1.0	760	1.1	5210	7.3
09/30/89	05:41	WS-12		471		5.9											
09/30/89	06:08	midpoint				6.3											
09/30/89	07:04		SWH-WS-01-02		53	7.3											
09/30/89	07:28	WS-X		450		7.7											
09/30/89	09:20	WS-12		412		9.5											
09/30/89	10:23		SWH-WS-01-02		70	10.6											
09/30/89	11:31	WS-X		373		11.7											
09/30/89	11:51		SWH-WS-01-02		78	12.1	1189	1800	2.1	3200	3.8	1900	2.3	620	0.7	7520	8.9
09/30/89	12:30	Irregular performance begins				12.7											
09/30/89	13:21	WS-12		446		13.6											
09/30/89	15:00	WS-X		489		15.2											
09/30/89	18:30	Irregular performance ends				18.7											
09/30/89	18:50	WS-13		197		19.0											
09/30/89	19:12	WS-14		476		19.4											
09/30/89	19:45		SWH-WS-01-04		44	20.0											
09/30/89	20:45	WS-13		472		21.0											
09/30/89	22:16		SWH-WS-01-04		43	22.5											
09/30/89	22:25	WS-15		443		22.6											

000198

WASHED SOIL (WS) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k)-Fluoranthene CONC (ug/kg)	Benzo(k)-Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
09/30/89	23:52	WS-16		523		24.1											
10/01/89	00:25		SWH-WS-01-04		64	24.6	1429	1300	1.9	2500	3.6	650	0.9	800	1.1	5250	7.5
10/01/89	01:18	midpoint				25.5											
10/01/89	01:30	WS-15		473		25.7											
10/01/89	02:12		SWH-WS-02-01		63	26.4											
10/01/89	03:11	WS-16		460		27.4											
10/01/89	03:40		SWH-WS-02-01		61	27.9											
10/01/89	04:52	WS-15		468		29.1											
10/01/89	05:46		SWH-WS-02-01		61	30.0	1128	1700	1.9	2800	3.2	680	0.8	610	0.7	5790	6.5
10/01/89	06:42	WS-16		413		30.9											
10/01/89	06:53	midpoint				31.1											
10/01/89	08:00		SWH-WS-02-02		61	32.2											
10/01/89	08:39	WS-15		419		32.9											
10/01/89	09:47		SWH-WS-02-02		70	34.0											
10/01/89	10:21	WS-16		340		34.6											
10/01/89	11:53		SWH-WS-02-02		79	36.1	1213	820	1.0	800	1.0	660	0.8	600	0.7	2880	3.5
10/01/89	12:15	WS-15		438		36.5											
10/01/89	12:56	midpoint				37.1											
10/01/89	13:59		SWH-WS-02-03		85	38.2											
10/01/89	14:10	WS-16		445		38.4											
10/01/89	15:58	WS-15		433		40.2											
10/01/89	16:04		SWH-WS-02-03		90	40.3											
10/01/89	17:36		SWH-WS-02-03		82	41.8	939	880	0.8	860	0.8	690	0.6	620	0.6	3050	2.9
10/01/89	18:43	midpoint				42.9											
10/01/89	18:50	WS-16		270		43.0											
10/01/89	19:50		SWH-WS-02-04		60	44.0											

000199

WASHED SOIL (WS) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluor-anthene CONC (ug/kg)	Benzo(b)-Fluor-anthene FLOW (g)	Benzo(k)-Fluor-anthene CONC (ug/kg)	Benzo(k)-Fluor-anthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
10/01/89	21:45	WS-15		371		46.0											
10/01/89	22:20		SWH-WS-02-04		54	46.5											
10/01/89	23:30		SWH-WS-02-04		50	47.7	670	1400	0.9	2500	1.7	430	0.3	400	0.3	4730	3.2
10/01/89	23:40					47.9											
10/01/89	23:45	WS-16		383		48.0											
10/03/89	08:00					80.2											
10/03/89	08:39					80.9											
10/03/89	10:05		SWH-WS-04-01		37	82.3											
10/03/89	10:20	WS-18		501		82.5											
10/03/89	12:00		SWH-WS-04-01		55	84.2											
10/03/89	12:00	WS-14		505		84.2											
10/03/89	13:42	WS-18		485		85.9											
10/03/89	14:29		SWH-WS-04-01		46	86.7	1697	2000	3.4	3300	5.6	670	1.1	2700	4.6	8670	14.7
10/03/89	15:12	WS-14		544		87.4											
10/03/89	15:23	midpoint				87.6											
10/03/89	16:17		SWH-WS-04-02		50	88.5											
10/03/89	16:44	WS-18		484		88.9											
10/03/89	17:40		SWH-WS-04-02		48	89.9											
10/03/89	18:16	WS-19		532		90.5											
10/03/89	19:53	WS-18		497		92.1											
10/03/89	19:55		SWH-WS-04-02		43	92.1	1351	1500	2.0	3800	5.1	920	1.2	810	1.1	7030	9.5
10/03/89	21:05	WS-19		589		93.3											
10/03/89	21:05	midpoint				93.3											
10/03/89	22:15		SWH-WS-04-03		37	94.5											
10/03/89	22:30	WS-18		514		94.7											
10/03/89	23:05		SWH-WS-04-03		39	95.3											

WASHED SOIL (WS) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k)-Fluoranthene CONC (ug/kg)	Benzo(k)-Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
10/04/89	00:00	WS-19		514		96.2											
10/04/89	01:20	WS-18		575		97.5											
10/04/89	01:40		SWH-WS-04-03		34	97.9	1365	1200	1.6	3300	4.5	830	1.1	730	1.0	6060	8.3
10/04/89	02:46	midpoint				99.0											
10/04/89	02:50	WS-20		516		99.0											
10/04/89	03:53		SWH-WS-04-04		28	100.1											
10/04/89	04:25	WS-18		515		100.6											
10/04/89	05:55		SWH-WS-04-04		28	102.1											
10/04/89	06:05	WS-20		484		102.3											
10/04/89	07:32	WS-18		506		103.7											
10/04/89	07:44		SWH-WS-04-04		30	103.9	1409	950	1.3	2800	3.9	730	1.0	650	0.9	5130	7.2
10/04/89	08:55	midpoint				105.1											
10/04/89	09:15	WS-20		518		105.5											
10/04/89	10:07		SWH-WS-05-01		46	106.3											
10/04/89	10:42	WS-18		568		106.9											
10/04/89	12:10		SWH-WS-05-01		63	108.4											
10/04/89	12:12	WS-20		572		108.4											
10/04/89	13:35	WS-18		587		109.8											
10/04/89	13:39		SWH-WS-05-01		59	109.9	1718	2200	3.8	4100	7.0	940	1.6	1000	1.7	8240	14.2
10/04/89	14:52	WS-20		651		111.1											
10/04/89	15:49	midpoint				112.0											
10/04/89	16:48	WS-21		306		113.0											
10/04/89	17:59		SWH-WS-05-02		54	114.2											
10/04/89	18:28	WS-20		470		114.7											
10/04/89	19:45		SWH-WS-05-02		52	116.0											
10/04/89	20:05	WS-18		506		116.3											

000201

WASHED SOIL (WS) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k)-Fluoranthene CONC (ug/kg)	Benzo(k)-Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
10/04/89	21:26		SWH-WS-05-02		50	117.6	1310	3100	4.1	5600	7.3	1900	2.5	1500	2.0	12100	15.8
10/04/89	21:48	WS-20		456		118.0											
10/04/89	22:20	midpoint				118.5											
10/04/89	23:36		SWH-WS-05-03		48	119.8											
10/04/89	23:55	WS-18		381		120.1											
10/05/89	01:35		SWH-WS-05-03		46	121.8											
10/05/89	01:52	WS-20		413		122.1											
10/05/89	03:37	WS-21		441		123.8											
10/05/89	03:43		SWH-WS-05-03		40	123.9	1257	2600	3.3	4400	5.5	690	0.9	620	0.8	8310	10.4
10/05/89	04:56	midpoint				125.1											
10/05/89	05:23	WS-20		446		125.6											
10/05/89	06:10		SWH-WS-05-04		46	126.4											
10/05/89	07:02	WS-21		465		127.2											
10/05/89	07:34		SWH-WS-05-04		46	127.8											
10/05/89	08:58	WS-22		447		129.2											
10/05/89	10:15		SWH-WS-05-04		52	130.5	1251	4100	5.1	6600	8.3	2100	2.6	400	0.5	13200	16.5
10/05/89	10:47	WS-21		442		131.0											
10/05/89	11:06	midpoint				131.3											
10/05/89	11:57		SWH-WS-06-01		66	132.2											
10/05/89	12:48	WS-22		397		133.0											
10/05/89	14:23		SWH-WS-06-01		64	134.6											
10/05/89	14:37	WS-23		477		134.8											
10/05/89	16:08		SWH-WS-06-01		55	136.3	1229	880	1.1	860	1.1	690	0.8	620	0.8	3050	3.7
10/05/89	16:17	WS-22		502		136.5											
10/05/89	16:59	midpoint				137.2											
10/05/89	17:50		SWH-WS-06-02		54	138.0											

000202

WASHED SOIL (WS) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k)-Fluoranthene CONC (ug/kg)	Benzo(k)-Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
10/05/89	17:55	WS-23		473		138.1											
10/05/89	19:21		SWH-WS-06-02		52	139.6											
10/05/89	19:35	WS-22		478		139.8											
10/05/89	21:22	WS-24		450		141.6											
10/05/89	22:05		SWH-WS-06-02		50	142.3	1227	870	1.1	850	1.0	680	0.8	620	0.8	3020	3.7
10/05/89	22:48	midpoint				143.0											
10/05/89	23:02	WS-22		464		143.2											
10/05/89	23:31		SWH-WS-06-03		48	143.7											
10/06/89	00:48	WS-25		445		145.0											
10/06/89	01:49		SWH-WS-06-03		46	146.0											
10/06/89	02:25	WS-22		501		146.6											
10/06/89	03:43		SWH-WS-06-03		43	147.9	1081	860	0.9	840	0.9	680	0.7	610	0.7	2990	3.2
10/06/89	03:44					147.9											
10/06/89	03:56	WS-25		515		148.1											
							22857	1671 (WTD AVG)	38.2	2962 (WTD AVG)	67.7	932 (WTD AVG)	21.3	872 (WTD AVG)	19.9	6437 (WTD AVG)	147.1
			TWO SIGNIFICANT FIGURES:					1.7 (mg/kg)	38	3 (mg/kg)	68	0.93 (mg/kg)	21	0.87 (mg/kg)	20	6.4 (mg/kg)	150

000203

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	MW FLOW DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/l)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
09/29/89	23:48				0												
09/30/89	01:16		0.45	225	1.5												
09/30/89	02:12	SWH-MW-01-01			2.4	55											
09/30/89	03:28		0.56	280	3.7												
09/30/89	05:06		0.50	250	5.3												
09/30/89	05:30	SWH-MW-01-01			5.7	52											
09/30/89	06:56		0.52	260	7.1												
09/30/89	10:19	SWH-MW-01-01			10.5	68	974	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.00
09/30/89	11:08		0.35	175	11.3												
09/30/89	12:23		0.80	400	12.6												
09/30/89	12:30	irreg. perf. begins			12.7												
09/30/89	13:28		0.60	300	13.7												
09/30/89	15:10		0.30	150	15.4												
09/30/89	18:30	irreg. perf. ends			18.7												
09/30/89	20:02	SWH-MW-01-02			20.2	75											
09/30/89	20:40		0.50	250	20.9												
09/30/89	22:19	SWH-MW-01-02			22.5	70											
09/30/89	22:44		0.50	250	22.9												
10/01/89	00:03	SWH-MW-01-02			24.3	64	139	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.00
10/01/89	01:11		0.85	425	25.4												
10/01/89	02:05	midpoint			26.3												
10/01/89	02:39		0.87	435	26.9												
10/01/89	04:08	SWH-MW-02-01			28.3	61											
10/01/89	04:42		0.50	250	28.9												
10/01/89	07:08		0.51	255	31.3												
10/01/89	07:49	SWH-MW-02-01			32.0	61											

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	MW FLOW DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/l)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
10/01/89	08:25		0.45	225	32.6												
10/01/89	10:06		0.78	390	34.3												
10/01/89	10:36	SWH-MW-02-01			34.8	78	1083	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.00
10/01/89	13:07	midpoint			37.3												
10/01/89	14:39		0.65	325	38.9												
10/01/89	15:21		0.65	325	39.6												
10/01/89	15:39	SWH-MW-02-02			39.8	90											
10/01/89	16:30		0.85	425	40.7												
10/01/89	20:06	SWH-MW-02-02			44.3	68											
10/01/89	20:26		0.00	0	44.6												
10/01/89	22:28		0.00	0	46.7												
10/01/89	23:38	SWH-MW-02-02			47.8	50	209	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.00
10/01/89	23:40				47.9												
10/02/89	00:24		0.60	300	48.6												
10/03/89	08:00				80.2												
10/03/89	08:33		0.75	375	80.8												
10/03/89	10:29		0.70	350	82.7												
10/03/89	11:54	SWH-MW-04-01			84.1	55											
10/03/89	12:14		0.40	200	84.4												
10/03/89	14:48		0.72	360	87.0												
10/03/89	16:11	SWH-MW-04-01			88.4	50											
10/03/89	16:33		0.45	225	88.8												
10/03/89	18:08		0.75	375	90.3												
10/03/89	20:13	SWH-MW-04-01			92.4	43	1158	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.00
10/03/89	20:21		0.00	0	92.6												
10/03/89	21:37	midpoint			93.8												

000205

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	MW FLOW DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/l)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
10/03/89	21:55		0.00	0	94.1												
10/03/89	23:01	SWH-MW-04-02			95.2	39											
10/03/89	23:49		0.00	0	96.0												
10/04/89	01:29		0.00	0	97.7												
10/04/89	03:37		0.00	0	99.8												
10/04/89	03:50	SWH-MW-04-02			100.0	28											
10/04/89	05:34		0.00	0	101.8												
10/04/89	07:30		0.33	165	103.7												
10/04/89	07:40	SWH-MW-04-02			103.9	30	145	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.00
10/04/89	09:51	midpoint			106.1												
10/04/89	10:25		0.00	0	106.6												
10/04/89	12:03	SWH-MW-05-01			108.3	63											
10/04/89	12:21		0.60	300	108.6												
10/04/89	13:59		0.30	150	110.2												
10/04/89	17:35		0.00	0	113.8												
10/04/89	17:56	SWH-MW-05-01			114.1	54											
10/04/89	19:57		0.00	0	116.2												
10/04/89	21:32	SWH-MW-05-01			117.7	50	152	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.00
10/04/89	21:40		0.00	0	117.9												
10/04/89	23:31	midpoint			119.7												
10/04/89	23:45		0.00	0	120.0												
10/05/89	01:31	SWH-MW-05-02			121.7	46											
10/05/89	02:15		0.00	0	122.5												
10/05/89	04:30		0.00	0	124.7												
10/05/89	05:55		0.00	0	126.1												
10/05/89	06:12	SWH-MW-05-02			126.4	46											

000206

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	MW FLOW DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/l)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
10/05/89	10:03	SWH-MW-05-02			130.3	52	211	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.00
10/05/89	10:39		0.30	150	130.9												
10/05/89	11:36		0.60	300	131.8												
10/05/89	12:12	midpoint			132.4												
10/05/89	14:21	SWH-MW-06-01			134.6	64											
10/05/89	14:48		0.30	150	135.0												
10/05/89	16:34		0.30	150	136.8												
10/05/89	17:42	SWH-MW-06-01			137.9	57											
10/05/89	18:28		0.00	0	138.7												
10/05/89	19:45		0.00	0	140.0												
10/05/89	22:02	SWH-MW-06-01			142.2	50	110	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.00
10/05/89	23:12		0.00	0	143.4												
10/05/89	23:53	midpoint			144.1												
10/06/89	00:02		0.00	0	144.2												
10/06/89	01:28		0.00	0	145.7												
10/06/89	01:44	SWH-MW-06-02			145.9	46											
10/06/89	03:23		0.00	0	147.6												
10/06/89	03:44				147.9												
10/06/89	03:44	SWH-MW-06-02			147.9	46	0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.00
							4182	0 (WTD AVG)	0.0	0 (WTD AVG)	0.0	0 (WTD AVG)	0.0	0 (WTD AVG)	0.0	0.00 (WTD AVG)	0.00
					TWO SIGNIFICANT FIGURES:			0 (mg/l)	0	0 (mg/l)	0	0 (mg/l)	0	0 (mg/l)	0	0 (mg/l)	0

000207

FEED SOIL (FS) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/29/89	23:48			0												
09/30/89	01:15			1.5												
09/30/89	01:48	SWH-FS-01-01		2.0	55											
09/30/89	03:26		316	3.6												
09/30/89	03:37	SWH-FS-01-01		3.8	54											
09/30/89	05:05		340	5.3												
09/30/89	05:09	SWH-FS-01-01		5.3	52	908	12000	10.9	23000	20.9	8400	7.6	9500	8.6	52900	48.0
09/30/89	06:02	midpoint		6.2												
09/30/89	06:55		309	7.1												
09/30/89	07:02	SWH-FS-01-02		7.2	53											
09/30/89	10:04		264	10.3												
09/30/89	10:18	SWH-FS-01-02		10.5												
09/30/89	11:06		319	11.3												
09/30/89	11:50	SWH-FS-01-02		12.0		859	12000	10.3	25000	21.5	2200	1.9	1500	1.3	40700	35.0
09/30/89	12:19		329	12.5												
09/30/89	12:30	irreg. perf. begins		12.7												
09/30/89	13:27		319	13.7												
09/30/89	15:05		319	15.3												
09/30/89	18:00		86	18.2												
09/30/89	18:30	irreg. perf. ends		18.7												
09/30/89	18:53		311	19.1												
09/30/89	19:36	SWH-FS-01-04		19.8	75											
09/30/89	20:38		323	20.8												
09/30/89	22:11	SWH-FS-01-04		22.4	70											
09/30/89	22:43		347	22.9												
10/01/89	00:24	SWH-FS-01-04		24.6	64	975	11000	10.7	22000	21.5	8200	8.0	8500	8.3	49700	48.5

000208

FEED SOIL (FS) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
10/01/89	01:06	midpoint		25.3												
10/01/89	01:10		311	25.4												
10/01/89	01:49	SWH-FS-02-01		26.0	63											
10/01/89	02:34		370	26.8												
10/01/89	03:58	SWH-FS-02-01		28.2	61											
10/01/89	04:40		323	28.9												
10/01/89	05:44	SWH-FS-02-01		29.9	61	842	16000	13.5	29000	24.4	21000	17.7	720	0.6	66720	56.2
10/01/89	06:48	midpoint		31.0												
10/01/89	07:07		300	31.3												
10/01/89	07:52	SWH-FS-02-02		32.1	61											
10/01/89	08:24		318	32.6												
10/01/89	09:40	SWH-FS-02-02		33.9	70											
10/01/89	10:04		325	34.3												
10/01/89	11:42	SWH-FS-02-02		35.9	79	849	15000	12.7	25000	21.2	11000	9.3	8900	7.6	59900	50.8
10/01/89	12:46	midpoint		37.0												
10/01/89	13:50	SWH-FS-02-03		38.0	85											
10/01/89	14:38		306	38.8												
10/01/89	15:20		296	39.5												
10/01/89	15:47	SWH-FS-02-03		40.0	90											
10/01/89	16:29		198	40.7												
10/01/89	17:44	SWH-FS-02-03		41.9	82	709	12000	8.5	22000	15.6	8700	6.2	7500	5.3	50200	35.6
10/01/89	18:45	midpoint		43.0												
10/01/89	19:46	SWH-FS-02-04		44.0	79											
10/01/89	20:25		245	44.6												
10/01/89	22:16	SWH-FS-02-04		46.5	54											
10/01/89	22:28		146	46.7												

000209

FEED SOIL (FS) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
10/01/89	23:28	SWH-FS-02-04		47.7	50	459	12000	5.5	20000	9.2	12000	5.5	1500	0.7	45500	20.9
10/01/89	23:40	SBR FEEDING BEGI		47.9												
10/02/89	00:23		253	48.6												
10/03/89	08:00	HIGH SOIL TEST R		80.2												
10/03/89	08:31			80.7												
10/03/89	10:00	SWH-FS-04-01		82.2	37											
10/03/89	10:27		337	82.7												
10/03/89	11:52	SWH-FS-04-01		84.1	55											
10/03/89	12:13		433	84.4												
10/03/89	14:26	SWH-FS-04-01		86.6	46	1329	11000	14.6	20000	26.6	2200	2.9	1500	2.0	34700	46.1
10/03/89	14:47		429	87.0												
10/03/89	15:19	midpoint		87.5												
10/03/89	16:13	SWH-FS-04-02		88.4	50											
10/03/89	16:32		442	88.7												
10/03/89	17:36	SWH-FS-04-02		89.8	48											
10/03/89	18:08		442	90.3												
10/03/89	19:59	SWH-FS-04-02		92.2	43	1162	12000	13.9	22000	25.6	9100	10.6	5000	5.8	48100	55.9
10/03/89	20:20		452	92.5												
10/03/89	21:03	midpoint		93.3												
10/03/89	21:55		450	94.1												
10/03/89	22:08	SWH-FS-04-03		94.3	37											
10/03/89	23:09	SWH-FS-04-03		95.4	39											
10/03/89	23:48		435	96.0												
10/04/89	01:27		475	97.7												
10/04/89	01:39	SWH-FS-04-03		97.9	34	1161	19000	22.1	36000	41.8	2200	2.6	1500	1.7	58700	68.1
10/04/89	02:41	midpoint		98.9												

000210

FEED SOIL (FS) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
10/04/89	03:35		459	99.8												
10/04/89	03:44	SWH-FS-04-04		99.9	28											
10/04/89	05:33		415	101.8												
10/04/89	06:03	SWH-FS-04-04		102.3	28											
10/04/89	07:29		447	103.7												
10/04/89	07:42	SWH-FS-04-04		103.9	30	1243	25000	31.1	43000	53.5	10000	12.4	8500	10.6	86500	107.5
10/04/89	08:52	midpoint		105.1												
10/04/89	10:03	SWH-FS-05-01		106.3	45											
10/04/89	10:24		468	106.6												
10/04/89	11:59	SWH-FS-05-01		108.2	63											
10/04/89	12:20		462	108.5												
10/04/89	13:38	SWH-FS-05-01		109.8	59	1461	30000	43.8	50000	73.0	18000	26.3	15000	21.9	113000	165.0
10/04/89	13:57		555	110.2												
10/04/89	15:40		404	111.9												
10/04/89	15:45	midpoint		112.0												
10/04/89	17:35		286	113.8												
10/04/89	17:52	SWH-FS-05-02		114.1	54											
10/04/89	19:43	SWH-FS-05-02		115.9	52											
10/04/89	19:57		373	116.2												
10/04/89	21:36	SWH-FS-05-02		117.8	50	1030	17000	17.5	31000	31.9	9000	9.3	8200	8.4	65200	67.1
10/04/89	21:40		345	117.9												
10/04/89	22:34	midpoint		118.8												
10/04/89	23:33	SWH-FS-05-03		119.8	48											
10/04/89	23:45		299	120.0												
10/05/89	01:29	SWH-FS-05-03		121.7	46											
10/05/89	02:15		347	122.5												

000211

FEED SOIL (FS) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
10/05/89	03:50	SWH-FS-05-03		124.0	48	954	15000	14.3	24000	22.9	2200	2.1	1500	1.4	42700	40.7
10/05/89	04:30		330	124.7												
10/05/89	04:55	midpoint		125.1												
10/05/89	05:55		342	126.1												
10/05/89	06:00	SWH-FS-05-04		126.2	46											
10/05/89	07:30	SWH-FS-05-04		127.7	46											
10/05/89	10:10	SWH-FS-05-04		130.4	52	906	16000	14.5	25000	22.6	11000	10.0	8400	7.6	60400	54.7
10/05/89	10:39		333	130.9												
10/05/89	11:00	midpoint		131.2												
10/05/89	11:36		216	131.8												
10/05/89	11:51	SWH-FS-06-01		132.1	64											
10/05/89	14:28	SWH-FS-06-01		134.7	64											
10/05/89	14:46		380	135.0												
10/05/89	15:49	SWH-FS-06-01		136.0	55	916	13000	11.9	19000	17.4	5200	4.8	400	0.4	37600	34.4
10/05/89	16:42	midpoint		136.9												
10/05/89	17:36	SWH-FS-06-02		137.8	54											
10/05/89	18:28		354	138.7												
10/05/89	19:18	SWH-FS-06-02		139.5	52											
10/05/89	19:45		379	140.0												
10/05/89	22:02	SWH-FS-06-02		142.2	50	975	14000	13.7	28000	27.3	8300	8.1	9000	8.8	59300	57.8
10/05/89	22:48	midpoint		143.0												
10/05/89	23:12		341	143.4												
10/05/89	23:34	SWH-FS-06-03		143.8	48											
10/06/89	00:02		293	144.2												
10/06/89	01:28		398	145.7												
10/06/89	01:37	SWH-FS-06-03		145.8	46											

000212

FEED SOIL (FS) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
10/06/89	03:22		410	147.6												
10/06/89	03:31	SWH-FS-06-03		147.7	43	853	12000	10.2	21000	17.9	2200	1.9	1500	1.3	36700	31.3
10/06/89	03:44			147.9												
						17589	15905 (WTD AVG)	279.8	28126 (WTD AVG)	494.7	8360 (WTD AVG)	147.0	5816 (WTD AVG)	102.3	58206 (WTD AVG)	1023.8
			TWO SIGNIFICANT FIGURES:				16 (mg/kg)	280	28 (mg/kg)	490	8.4 (mg/kg)	150	5.8 (mg/kg)	100	58 (mg/kg)	1000

000213

FINE PARTICLE CAKE (FPC) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/29/89	23:48					0.0											
09/30/89	02:05		SWH-FPC-01-01		39	2.3											
09/30/89	03:45		SWH-FPC-01-01		39	4.0											
09/30/89	05:16		SWH-FPC-01-01		38	5.5	204	47000	9.6	79000	16.1	33000	6.7	27000	5.5	186000	37.9
09/30/89	06:12	FPC-15		69		6.4											
09/30/89	06:16	midpoint				6.5											
09/30/89	07:17		SWH-FPC-01-02		38	7.5											
09/30/89	10:34		SWH-FPC-01-02		70	10.8											
09/30/89	11:04	FPC-16		102		11.3											
09/30/89	12:04		SWH-FPC-01-02		46	12.3	279	58000	16.2	85000	23.7	57000	15.9	830	0.2	200830	56.1
09/30/89	12:30	irreg. perf. begins				12.7											
09/30/89	16:25	FPC-17		90		16.6											
09/30/89	18:30	irreg. perf. ends				18.7											
09/30/89	19:05	FPC-18		23		19.3											
09/30/89	19:40		SWH-FPC-01-04		45	19.9											
09/30/89	22:05		SWH-FPC-01-04		44	22.3											
10/01/89	00:27		SWH-FPC-01-04		42	24.7	246	62000	15.2	98000	24.1	33000	8.1	34000	8.4	227000	55.8
10/01/89	00:33	FPC-19		86		24.8											
10/01/89	01:15	midpoint				25.5											
10/01/89	02:03		SWH-FPC-02-01		41	26.3											
10/01/89	04:00		SWH-FPC-02-01		41	28.2											
10/01/89	06:07		SWH-FPC-02-01		41	30.3	224	50000	11.2	81000	18.1	29000	6.5	20000	4.5	180000	40.3
10/01/89	06:11	FPC-20		84		30.4											
10/01/89	07:10	midpoint				31.4											
10/01/89	08:13		SWH-FPC-02-02		41	32.4											
10/01/89	09:58		SWH-FPC-02-02		70	34.2											

000214

FINE PARTICLE CAKE (FPC) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
10/01/89	11:50		SWH-FPC-02-02		78	36.0	208	38000	7.9	64000	13.3	25000	5.2	6400	1.3	133400	27.8
10/01/89	12:37	FPC-21		79		36.8											
10/01/89	13:05	midpoint				37.3											
10/01/89	14:20		SWH-FPC-02-03		85	38.5											
10/01/89	16:07		SWH-FPC-02-03		90	40.3											
10/01/89	17:47		SWH-FPC-02-03		82	42.0	175	53000	9.3	89000	15.6	31000	5.4	36000	6.3	209000	36.6
10/01/89	18:51	midpoint				43.1											
10/01/89	19:55		SWH-FPC-02-04		43	44.1											
10/01/89	20:00	FPC-22		67		44.2											
10/01/89	22:24		SWH-FPC-02-04		39	46.6											
10/01/89	23:35		SWH-FPC-02-04		50	47.8	128	59000	7.6	100000	12.8	33000	4.2	33000	4.2	225000	28.8
10/01/89	23:40					47.9											
10/02/89	00:45	FPC-23		56		49.0											
10/03/89	07:40					79.9											
10/03/89	08:00					80.2											
10/03/89	10:04		SWH-FPC-04-01		34	82.3											
10/03/89	11:58		SWH-FPC-04-01		39	84.2											
10/03/89	14:28		SWH-FPC-04-01		36	86.7	264	52000	13.8	89000	23.5	33000	8.7	29000	7.7	203000	53.7
10/03/89	14:57	FPC-24		77		87.2											
10/03/89	15:21	midpoint				87.6											
10/03/89	16:15		SWH-FPC-04-02		38	88.5											
10/03/89	17:38		SWH-FPC-04-02		37	89.8											
10/03/89	19:42	FPC-25		116		91.9											
10/03/89	20:09		SWH-FPC-04-02		35	92.4	315	48000	15.1	66000	20.8	24000	7.6	29000	9.1	167000	52.5
10/03/89	21:10	midpoint				93.4											
10/03/89	22:12		SWH-FPC-04-03		34	94.4											

000215

FINE PARTICLE CAKE (FPC) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
10/03/89	23:02		SWH-FPC-04-03		34	95.2											
10/03/89	23:25	FPC-26		129		95.6											
10/04/89	01:53		SWH-FPC-04-03		33	98.1	279	56000	15.6	92000	25.7	42000	11.7	3200	0.9	193200	54.0
10/04/89	02:54	midpoint				99.1											
10/04/89	03:55		SWH-FPC-04-04		31	100.1											
10/04/89	04:42	FPC-27		94		100.9											
10/04/89	06:08		SWH-FPC-04-04		31	102.3											
10/04/89	07:46		SWH-FPC-04-04		31	104.0	275	47000	12.9	75000	20.7	32000	8.8	1800	0.5	155800	42.9
10/04/89	08:58	midpoint				105.2											
10/04/89	09:37	FPC-28		103		105.8											
10/04/89	10:10		SWH-FPC-05-01		36	106.4											
10/04/89	12:14		SWH-FPC-05-01		48	108.4											
10/04/89	13:42		SWH-FPC-05-01		40	109.9	265	46000	12.2	71000	18.8	27000	7.1	26000	6.9	170000	45.0
10/04/89	15:45	FPC-29		83		112.0											
10/04/89	15:51	midpoint				112.1											
10/04/89	18:00		SWH-FPC-05-02		39	114.2											
10/04/89	19:50		SWH-FPC-05-02		38	116.0											
10/04/89	21:31		SWH-FPC-05-02		38	117.7	196	26000	5.1	40000	7.8	16000	3.1	10000	2.0	92000	18.0
10/04/89	21:52	FPC-30		64		118.1											
10/04/89	22:35	midpoint				118.8											
10/04/89	23:39		SWH-FPC-05-03		37	119.9											
10/05/89	01:38		SWH-FPC-05-03		36	121.8											
10/05/89	03:47		SWH-FPC-05-03		37	124.0	189	63000	11.9	85000	16.0	31000	5.8	38000	7.2	217000	40.9
10/05/89	04:58	midpoint				125.2											
10/05/89	05:53	FPC-31		65		126.1											
10/05/89	06:09		SWH-FPC-05-04		36	126.4											

000216

FINE PARTICLE CAKE (FPC) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
10/05/89	07:33		SWH-FPC-05-04		36	127.8											
10/05/89	10:17		SWH-FPC-05-04		38	130.5	164	52000	8.6	71000	11.7	29000	4.8	1800	0.3	153800	25.3
10/05/89	11:09	midpoint				131.4											
10/05/89	12:02		SWH-FPC-06-01		43	132.2											
10/05/89	14:33		SWH-FPC-06-01		42	134.8											
10/05/89	15:20	FPC-32		57		135.5											
10/05/89	15:53		SWH-FPC-06-01		42	136.1	158	23000	3.6	37000	5.8	14000	2.2	12000	1.9	86000	13.6
10/05/89	16:48	midpoint				137.0											
10/05/89	17:43		SWH-FPC-06-02		39	137.9											
10/05/89	19:23		SWH-FPC-06-02		38	139.6											
10/05/89	21:40	FPC-33		74		141.9											
10/05/89	22:05		SWH-FPC-06-02		38	142.3	203	35000	7.1	64000	13.0	37000	7.5	5500	1.1	141500	28.7
10/05/89	22:53	midpoint				143.1											
10/05/89	23:42		SWH-FPC-06-03		37	143.9											
10/06/89	01:47		SWH-FPC-06-03		36	146.0											
10/06/89	03:37		SWH-FPC-06-03		35	147.8	158	44000	7.0	71000	11.2	31000	4.9	19000	3.0	165000	26.1
10/06/89	03:44					147.9											
10/06/89	04:01	FPC-34		72		148.2											
							3931	48288 (WTD AVG)	189.8	76029 (WTD AVG)	298.9	31662 (WTD AVG)	124.5	18047 (WTD AVG)	70.9	174027 (WTD AVG)	684.1
			TWO SIGNIFICANT FIGURES:					48 (mg/kg)	190	76 (mg/kg)	300	32 (mg/kg)	120	18 (mg/kg)	71	170 (mg/kg)	680

000217

FINE OVERSIZE (FO) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/29/89	23:43					-0.1											
09/29/89	23:48					0											
09/30/89	01:52		SWH-FO-01-01		55	2.1											
09/30/89	03:38		SWH-FO-01-01		54	3.8											
09/30/89	05:14		SWH-FO-01-01		52	5.4	44	8400	0.37	25000	1.09	6200	0.27	1500	0.07	41100	1.79
09/30/89	06:10	midpoint				6.4											
09/30/89	07:06		SWH-FO-01-02		53	7.3											
09/30/89	11:00		SWH-FO-01-02		74	11.2											
09/30/89	12:09		SWH-FO-01-02		78	12.4	43	9100	0.39	17000	0.74	6000	0.26	5400	0.23	37500	1.63
09/30/89	12:30	irreg. perf. begins				12.7											
09/30/89	18:30	irreg. perf. ends				18.7											
09/30/89	19:10	FO-4		15		19.4											
09/30/89	19:50		SWH-FO-01-04		75	20.0											
09/30/89	21:55		SWH-FO-01-04		70	22.1											
10/01/89	00:12		SWH-FO-01-04		64	24.4	43	7600	0.33	22000	0.94	4400	0.19	5900	0.25	39900	1.71
10/01/89	01:02	midpoint				25.2											
10/01/89	01:52		SWH-FO-02-01		63	26.1											
10/01/89	03:40		SWH-FO-02-01		61	27.9											
10/01/89	05:55		SWH-FO-02-01		61	30.1	39	13000	0.51	16000	0.62	14000	0.55	390	0.02	43390	1.69
10/01/89	06:58	midpoint				31.2											
10/01/89	08:02		SWH-FO-02-02		61	32.2											
10/01/89	09:58		SWH-FO-02-02		70	34.2											
10/01/89	12:07		SWH-FO-02-02		79	36.3	41	39000	1.59	70000	2.86	26000	1.06	21000	0.86	156000	6.37
10/01/89	13:12	midpoint				37.4											
10/01/89	14:17		SWH-FO-02-03		85	38.5											
10/01/89	16:22		SWH-FO-02-03		90	40.6											

000218

FINE OVERSIZE (FO) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
10/01/89	17:30		SWH-FO-02-03		82	41.7	36	7300	0.26	16000	0.57	4900	0.18	4600	0.16	32800	1.18
10/01/89	18:40	midpoint				42.9											
10/01/89	19:50		SWH-FO-02-04		79	44.0											
10/01/89	22:27		SWH-FO-02-04		54	46.7											
10/01/89	23:28		SWH-FO-02-04		50	47.7	33	13000	0.43	21000	0.69	8100	0.27	6300	0.21	48400	1.59
10/01/89	23:40					47.9											
10/02/89	00:45	FO-5		14		49.0											
10/03/89	05:25					77.6											
10/03/89	08:00					80.2											
10/03/89	10:18		SWH-FO-04-01		41	82.5											
10/03/89	12:08		SWH-FO-04-01		59	84.3											
10/03/89	14:42		SWH-FO-04-01		46	86.9	69	15000	1.04	31000	2.15	11000	0.76	1300	0.09	58300	4.05
10/03/89	15:34	midpoint				87.8											
10/03/89	16:27		SWH-FO-04-02		50	88.7											
10/03/89	17:37		SWH-FO-04-02		48	89.8											
10/03/89	20:11		SWH-FO-04-02		43	92.4	51	14000	0.72	27000	1.39	7300	0.37	9600	0.49	57900	2.97
10/03/89	21:10	midpoint				93.4											
10/03/89	22:10		SWH-FO-04-03		37	94.4											
10/03/89	23:01		SWH-FO-04-03		39	95.2											
10/04/89	01:43		SWH-FO-04-03		34	97.9	51	16000	0.82	34000	1.74	15000	0.77	11000	0.56	76000	3.88
10/04/89	02:45	midpoint				99.0											
10/04/89	03:47		SWH-FO-04-04		28	100.0											
10/04/89	04:13	FO-7		20		100.4											
10/04/89	06:00		SWH-FO-04-04		28	102.2											
10/04/89	07:36		SWH-FO-04-04		30	103.8	97	21000	2.03	37000	3.58	19000	1.84	1700	0.16	78700	7.62
10/04/89	08:54	midpoint				105.1											

000219

FINE OVERSIZE (FO) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
10/04/89	10:12		SWH-FO-05-01		46	106.4											
10/04/89	12:07		SWH-FO-05-01		63	108.3	110	33000	3.61	61000	6.68	17000	1.86	15000	1.64	126000	13.80
10/04/89	15:03	midpoint				111.3											
10/04/89	16:30	FO-8		39		112.7											
10/04/89	17:59		SWH-FO-05-02		54	114.2											
10/04/89	19:44		SWH-FO-05-02		52	115.9											
10/04/89	21:20		SWH-FO-05-02		50	117.5	78	22000	1.72	38000	2.96	11000	0.86	700	0.05	71700	5.59
10/04/89	22:27	midpoint				118.7											
10/04/89	23:34		SWH-FO-05-03		48	119.8											
10/05/89	01:25		SWH-FO-05-03		46	121.6											
10/05/89	03:40		SWH-FO-05-03		48	123.9	56	23000	1.29	46000	2.57	15000	0.84	14000	0.78	98000	5.48
10/05/89	04:50	midpoint				125.0											
10/05/89	06:00		SWH-FO-05-04		46	126.2											
10/05/89	07:28		SWH-FO-05-04		46	127.7											
10/05/89	10:27		SWH-FO-05-04		52	130.7	57	34000	1.94	53000	3.02	16000	0.91	13000	0.74	116000	6.62
10/05/89	11:12	FO-9		19		131.4											
10/05/89	11:19					131.5											
10/05/89	12:12		SWH-FO-06-01		66	132.4											
10/05/89	14:38		SWH-FO-06-01		64	134.8											
10/05/89	16:07		SWH-FO-06-01		55	136.3	54	37000	2.01	48000	2.61	18000	0.98	11000	0.60	114000	6.19
10/05/89	16:53	midpoint				137.1											
10/05/89	17:40		SWH-FO-06-02		54	137.9											
10/05/89	19:21		SWH-FO-06-02		52	139.6											
10/05/89	21:53		SWH-FO-06-02		50	142.1	57	22000	1.25	44000	2.50	15000	0.85	14000	0.80	95000	5.40
10/05/89	22:43	midpoint				142.9											
10/05/89	23:33		SWH-FO-06-03		48	143.8											

000220

FINE OVERSIZE (FO) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
10/06/89	01:39		SWH-FO-06-03		46	145.9											
10/06/89	03:31		SWH-FO-06-03		43	147.7	49	27000	1.32	53000	2.59	17000	0.83	16000	0.78	113000	5.53
10/06/89	03:44					147.9											
10/06/89	03:58	FO-10		22		148.2											
							1007	21461 (WTD AVG)	21.62	39022 (WTD AVG)	39.31	13544 (WTD AVG)	13.65	8441 (WTD AVG)	8.50	82468 (WTD AVG)	83.08
TWO SIGNIFICANT FIGURES:								21 (mg/kg)	22	39 (mg/kg)	39	14 (mg/kg)	14	8.4 (mg/kg)	8.5	82 (mg/kg)	83

FO-6 contained material collected during operating periods not within the scope of the evaluation.

000221

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k)Fluoranthene CONC (ug/kg)	Benzo(k)Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/29/89	23:48					0											
09/29/89	23:51					0.1											
09/30/89	02:10		SWH-CO-01-01		55	2.4											
09/30/89	03:44		SWH-CO-01-01		54	3.9											
09/30/89	05:32		SWH-CO-01-01		52	5.7	129	24000	3.1	56000	7.2	17000	2.2	1400	0.2	98400	12.7
09/30/89	06:26	midpoint				6.6											
09/30/89	07:20		SWH-CO-01-02		53	7.5											
09/30/89	10:00	CO-8		43		10.2											
09/30/89	10:25		SWH-CO-01-02		70	10.6											
09/30/89	11:55		SWH-CO-01-02		78	12.1	107	47000	5.0	2600	0.3	1200	0.1	670	0.1	51470	5.5
09/30/89	12:30	irreg. perf. begins				12.7											
09/30/89	18:30	irreg. perf. ends				18.7											
09/30/89	19:15	CO-9		33		19.5											
09/30/89	20:06		SWH-CO-01-04		75	20.3											
09/30/89	22:08		SWH-CO-01-04		70	22.3											
10/01/89	00:32		SWH-CO-01-04		64	24.7	154	14000	2.2	11000	1.7	9200	1.4	4100	0.6	38300	5.9
10/01/89	01:23	midpoint				25.6											
10/01/89	02:15		SWH-CO-02-01		63	26.5											
10/01/89	03:35	CO-10		51		27.8											
10/01/89	04:05		SWH-CO-02-01		61	28.3											
10/01/89	05:49		SWH-CO-02-01		61	30.0	121	13000	1.6	16000	1.9	9400	1.1	3200	0.4	41600	5.0
10/01/89	06:49	midpoint				31.0											
10/01/89	07:50		SWH-CO-02-02		61	32.0											
10/01/89	09:48		SWH-CO-02-02		70	34.0											
10/01/89	11:48		SWH-CO-02-02		78	36.0	130	12000	1.6	21000	2.7	9700	1.3	2200	0.3	44900	5.9

000222

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
10/01/89	12:53	midpoint				37.1											
10/01/89	12:53	CO-11		47		37.1											
10/01/89	13:56		SWH-CO-02-03		85	38.1											
10/01/89	16:00		SWH-CO-02-03		90	40.2											
10/01/89	17:49		SWH-CO-02-03		82	42.0	103	11000	1.1	26000	2.7	10000	1.0	1100	0.1	48100	5.0
10/01/89	18:54	midpoint				43.1											
10/01/89	20:00		SWH-CO-02-04		20	44.2											
10/01/89	22:14		SWH-CO-02-04		54	46.4											
10/01/89	23:38		SWH-CO-02-04		50	47.8	81	21000	1.7	37000	3.0	24000	2.0	670	0.1	82670	6.7
10/01/89	23:40					47.9											
10/02/89	00:45	CO-12		38		49.0											
10/03/89	03:47					76.0											
10/03/89	05:35	CO-14		95		77.8											
10/03/89	08:00					80.2											
10/03/89	10:01		SWH-CO-04-01		37	82.2											
10/03/89	11:16	CO-15		72		83.5											
10/03/89	11:57		SWH-CO-04-01		55	84.2											
10/03/89	14:35		SWH-CO-04-01		46	86.8	252	21000	5.3	39000	9.8	14000	3.5	11000	2.8	85000	21.5
10/03/89	15:27	midpoint				87.7											
10/03/89	16:15	CO-16		77		88.5											
10/03/89	16:19		SWH-CO-04-02		50	88.5											
10/03/89	17:43		SWH-CO-04-02		48	89.9											
10/03/89	20:04		SWH-CO-04-02		43	92.3	212	41000	8.7	49000	10.4	9000	1.9	5800	1.2	104800	22.2
10/03/89	21:10	midpoint				93.4											
10/03/89	21:10	CO-17		82		93.4											

000223

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
10/03/89	22:15		SWH-CO-04-03		37	94.5											
10/03/89	23:08		SWH-CO-04-03		39	95.3											
10/04/89	01:54	CO-18		86		98.1											
10/04/89	01:56		SWH-CO-04-03		34	98.1	219	21000	4.6	36000	7.9	14000	3.1	1400	0.3	72400	15.8
10/04/89	02:51	midpoint				99.1											
10/04/89	03:46		SWH-CO-04-04		28	100.0											
10/04/89	06:02		SWH-CO-04-04		28	102.2											
10/04/89	07:36		SWH-CO-04-04		30	103.8	218	32000	7.0	54000	11.8	20000	4.4	2300	0.5	108300	23.6
10/04/89	07:45	CO-19		79		104.0											
10/04/89	08:50	midpoint				105.0											
10/04/89	10:04		SWH-CO-05-01		46	106.3											
10/04/89	11:59		SWH-CO-05-01		63	108.2											
10/04/89	12:35	CO-20		86		108.8											
10/04/89	13:35		SWH-CO-05-01		59	109.8	252	27000	6.8	43000	10.9	10000	2.5	8800	2.2	88800	22.4
10/04/89	15:44	midpoint				111.9											
10/04/89	17:53		SWH-CO-05-02		54	114.1											
10/04/89	18:20	CO-21		74		114.5											
10/04/89	19:53		SWH-CO-05-02		52	116.1											
10/04/89	21:30		SWH-CO-05-02		50	117.7	222	24000	5.3	44000	9.8	13000	2.9	11000	2.4	92000	20.4
10/04/89	22:35	midpoint				118.8											
10/04/89	23:05	CO-22		69		119.3											
10/04/89	23:41		SWH-CO-05-03		48	119.9											
10/05/89	01:26		SWH-CO-05-03		46	121.6											
10/05/89	03:40		SWH-CO-05-03		48	123.9	190	22000	4.2	45000	8.6	15000	2.9	12000	2.3	94000	17.9
10/05/89	04:51	midpoint				125.1											

000224

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
10/05/89	06:02		SWH-CO-05-04		46	126.2											
10/05/89	07:26		SWH-CO-05-04		46	127.6											
10/05/89	07:31	CO-23		67		127.7											
10/05/89	10:12		SWH-CO-05-04		52	130.4	181	19000	3.4	27000	4.9	10000	1.8	5800	1.0	61800	11.2
10/05/89	11:03	midpoint				131.3											
10/05/89	11:55		SWH-CO-06-01		66	132.1											
10/05/89	14:22	CO-24		62		134.6											
10/05/89	14:30		SWH-CO-06-01		66	134.7											
10/05/89	15:51		SWH-CO-06-01		55	136.1	230	30000	6.9	48000	11.1	18000	4.1	17000	3.9	113000	26.0
10/05/89	16:49	midpoint				137.0											
10/05/89	17:47		SWH-CO-06-02		54	138.0											
10/05/89	17:48	CO-25		123		138.0											
10/05/89	19:26		SWH-CO-06-02		52	139.6											
10/05/89	21:48		SWH-CO-06-02		59	142.0	184	32000	5.9	61000	11.3	19000	3.5	20000	3.7	132000	24.3
10/05/89	22:43	midpoint				142.9											
10/05/89	23:39		SWH-CO-06-03		48	143.9											
10/06/89	01:42		SWH-CO-06-03		46	145.9											
10/06/89	02:46	CO-26		58		147.0											
10/06/89	03:39		SWH-CO-06-03		43	147.9	146	32000	4.7	58000	8.5	25000	3.6	22000	3.2	137000	20.0
10/06/89	03:44					147.9											
10/06/89	04:03	CO-27		91		148.3											
							3132	25237 (WTD AVG)	79.0	39670 (WTD AVG)	124.2	13840 (WTD AVG)	43.3	8092 (WTD AVG)	25.3	86839 (WTD AVG)	272.0

000225

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	Benzo-(a)-Anthracene CONC (ug/kg)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/kg)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/kg)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/kg)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
TWO SIGNIFICANT FIGURES:								25	79	40	120	14	43	8.1	25	87	270
								(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	

000226

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	TANK NO	SAMPLE ID	CDE RATE (gpm)	CDE RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/l)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
09/29/89	23:48					0												
09/30/89	01:17	#1				1.5												
09/30/89	02:03		SWH-CDE-01-01			2.3	55											
09/30/89	03:31	#1		4.25	2127	3.7												
09/30/89	03:42		SWH-CDE-01-01			3.9	54											
09/30/89	05:11	#1		4.84	2421	5.4												
09/30/89	05:15		SWH-CDE-01-01			5.5	52	6689	230	1.5	350	2.3	130	0.9	120	0.8	830	5.6
09/30/89	06:15	midpoint				6.5												
09/30/89	06:59	#1		5.20	2601	7.2												
09/30/89	07:16		SWH-CDE-01-02			7.5	53											
09/30/89	09:35	#1		4.68	2344	9.8												
09/30/89	09:58	#1		2.19	1095	10.2												
09/30/89	10:39		SWH-CDE-01-02			10.9	70											
09/30/89	10:48	#1		3.25	1626	11.0												
09/30/89	10:48	#2				11.0												
09/30/89	11:58		SWH-CDE-01-02			12.2	77	5949	79	0.5	120	0.7	11	0.1	10	0.1	220	1.3
09/30/89	12:25	#2		3.94	1972	12.6												
09/30/89	12:30	system irreg. begins				12.7												
09/30/89	15:05	#2		4.07	2038	15.3												
09/30/89	16:36	#2		3.92	1961	16.8												
09/30/89	18:30	system irreg. ends				18.7												
09/30/89	18:51	#2		4.22	2114	19.1												
09/30/89	20:00		SWH-CDE-01-04			20.2	75											
09/30/89	20:44	#2		3.28	1639	20.9												
09/30/89	21:50		SWH-CDE-01-04			22.0	70											
09/30/89	23:59		SWH-CDE-01-04			24.2	64	5718	56	0.3	90	0.5	30	0.2	10	0.1	186	1.1

000227

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	TANK NO	SAMPLE ID	CDE RATE (gpm)	CDE RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/l)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
10/01/89	01:04	midpoint				25.3												
10/01/89	01:15	#2		4.04	2021	25.5												
10/01/89	02:10		SWH-CDE-02-01			26.4	63											
10/01/89	02:37	#2		3.66	1833	26.8												
10/01/89	03:57		SWH-CDE-02-01			28.2	61											
10/01/89	04:43	#2		4.31	2158	28.9												
10/01/89	05:53		SWH-CDE-02-01			30.1	61	5390	80	0.4	120	0.6	47	0.3	37	0.2	284	1.5
10/01/89	06:55	midpoint				31.1												
10/01/89	07:09	#2		4.06	2032	31.4												
10/01/89	07:58		SWH-CDE-02-02			32.2	61											
10/01/89	08:22	#2		4.18	2093	32.6												
10/01/89	09:43		SWH-CDE-02-02			33.9	70											
10/01/89	10:08	#2		3.67	1835	34.3												
10/01/89	10:40		SWH-CDE-02-02			34.9	78	4883	58	0.3	90	0.4	35	0.2	32	0.2	215	1.0
10/01/89	12:21	midpoint				36.6												
10/01/89	13:15	#2		4.07	2036	37.5												
10/01/89	13:15	#1				37.5												
10/01/89	14:02		SWH-CDE-02-03			38.2	85											
10/01/89	15:17	#1		3.24	1621	39.5												
10/01/89	15:41		SWH-CDE-02-03			39.9	90											
10/01/89	17:21	#1		3.81	1904	41.6												
10/01/89	17:42		SWH-CDE-02-03			41.9	82	5472	45	0.2	68	0.4	26	0.1	24	0.1	163	0.9
10/01/89	18:54	midpoint				43.1												
10/01/89	19:27	#1		3.86	1931	43.7												
10/01/89	20:06		SWH-CDE-02-04			44.3	68											
10/01/89	22:00	#1		3.72	1860	46.2												

000228

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	TANK NO	SAMPLE ID	CDE RATE (gpm)	CDE RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/l)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
10/01/89	22:21		SWH-CDE-02-04			46.6	54											
10/01/89	23:32		SWH-CDE-02-04			47.7	50	4048	58	0.2	110	0.4	34	0.1	32	0.1	234	0.9
10/01/89	23:40					47.9												
10/02/89	00:22	#1		3.74	1870	48.6												
10/03/89	07:31	#2				79.7												
10/03/89	08:00					80.2												
10/03/89	10:08		SWH-CDE-04-01			82.3	37											
10/03/89	10:25	#2		3.49	1748	82.6												
10/03/89	11:51		SWH-CDE-04-01			84.1	55											
10/03/89	12:15	#2		3.37	1686	84.5												
10/03/89	14:31		SWH-CDE-04-01			86.7	46	5883	40	0.2	70	0.4	18	0.1	17	0.1	145	0.9
10/03/89	14:50	#2		3.69	1845	87.0												
10/03/89	15:21	midpoint				87.6												
10/03/89	16:12		SWH-CDE-04-02			88.4	50											
10/03/89	17:39		SWH-CDE-04-02			89.9	48											
10/03/89	19:26	#2		3.36	1682	91.6												
10/03/89	20:05		SWH-CDE-04-02			92.3	43	4394	42	0.2	66	0.3	25	0.1	16	0.1	149	0.7
10/03/89	21:11	midpoint				93.4												
10/03/89	21:30	#2		3.23	1616	93.7												
10/03/89	22:17		SWH-CDE-04-03			94.5	37											
10/03/89	22:52	#2		3.26	1633	95.1												
10/03/89	23:07		SWH-CDE-04-03			95.3	39											
10/03/89	23:39	#2		3.22	1609	95.9												
10/04/89	01:29	#2		3.15	1577	97.7												
10/04/89	01:52		SWH-CDE-04-03			98.1	34	4249	44	0.2	63	0.3	32	0.1	14	0.1	153	0.7
10/04/89	02:55	midpoint				99.1												

000229

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	TANK NO	SAMPLE ID	CDE RATE (gpm)	CDE RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/l)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
10/04/89	03:34	#2		3.44	1722	99.8												
10/04/89	03:58		SWH-CDE-04-04			100.2	28											
10/04/89	05:29	#2		3.35	1678	101.7												
10/04/89	06:00		SWH-CDE-04-04			102.2	28											
10/04/89	07:30	#2		3.47	1738	103.7												
10/04/89	07:45		SWH-CDE-04-04			104.0	30	4696	220	1.0	350	1.6	140	0.7	110	0.5	820	3.9
10/04/89	08:56	midpoint				105.1												
10/04/89	09:33	#1				105.8												
10/04/89	10:08		SWH-CDE-05-01			106.3	46											
10/04/89	10:28	#1		2.48	1241	106.7												
10/04/89	12:12		SWH-CDE-05-01			108.4	61											
10/04/89	12:24	#1		2.75	1374	108.6												
10/04/89	13:40		SWH-CDE-05-01			109.9	59	3937	44	0.2	68	0.3	26	0.1	18	0.1	156	0.6
10/04/89	14:04	#1		2.88	1443	110.3												
10/04/89	15:51	midpoint				112.0												
10/04/89	17:36	#1		1.93	964	113.8												
10/04/89	18:02		SWH-CDE-05-02			114.2	54											
10/04/89	19:38	#1		2.64	1323	115.8												
10/04/89	19:47		SWH-CDE-05-02			116.0	52											
10/04/89	21:25	#1		3.08	1541	117.6												
10/04/89	21:26		SWH-CDE-05-02			117.6	50	4040	150	0.6	240	1.0	98	0.4	73	0.3	561	2.3
10/04/89	22:31	midpoint				118.7												
10/04/89	23:37		SWH-CDE-05-03			119.8	48											
10/04/89	23:50	#1		3.20	1602	120.0												
10/05/89	01:25		SWH-CDE-05-03			121.6	46											
10/05/89	01:45	#1		3.06	1532	122.0												

000230

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	TANK NO	SAMPLE ID	----CDE RATE--- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/l)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
10/05/89	03:32	#1		2.69	1346	123.7												
10/05/89	03:45		SWH-CDE-05-03			124.0	48	4289	180	0.8	300	1.3	18	0.1	17	0.1	515	2.2
10/05/89	04:59	midpoint				125.2												
10/05/89	05:35	#1		2.76	1383	125.8												
10/05/89	06:14		SWH-CDE-05-04			126.4	46											
10/05/89	07:42	#1		2.15	1078	127.9												
10/05/89	07:49		SWH-CDE-05-04			128.0	46											
10/05/89	10:12		SWH-CDE-05-04			130.4	52	3123	21	0.1	31	0.1	12	0.0	15	0.0	79	0.2
10/05/89	10:45	#1		2.12	1059	131.0												
10/05/89	11:05	midpoint				131.3												
10/05/89	11:58		SWH-CDE-06-01			132.2	66											
10/05/89	14:25		SWH-CDE-06-01			134.6	64											
10/05/89	14:50	#1		3.32	1661	135.0												
10/05/89	15:20	#1		2.02	1009	135.5												
10/05/89	15:20	#2				135.5												
10/05/89	15:56		SWH-CDE-06-01			136.1	55	3743	54	0.2	89	0.3	32	0.1	25	0.1	200	0.7
10/05/89	16:51	midpoint				137.1												
10/05/89	17:28	#2		1.99	994	137.7												
10/05/89	17:47		SWH-CDE-06-02			138.0	54											
10/05/89	19:22		SWH-CDE-06-02			139.6	50											
10/05/89	19:34	#2		2.48	1243	139.8												
10/05/89	21:26	#2		2.29	1146	141.6												
10/05/89	22:08		SWH-CDE-06-02			142.3	50	3145	13	0.0	13	0.0	11	0.0	10	0.0	47	0.1
10/05/89	22:52	midpoint				143.1												
10/05/89	23:27	#2		2.18	1093	143.7												
10/05/89	23:37		SWH-CDE-06-03			143.8	48											

000231

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	TANK NO	SAMPLE ID	CDE RATE (gpm)	CDE RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/l)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
10/06/89	01:29	#2		2.42	1213	145.7												
10/06/89	01:45		SWH-CDE-06-03			146.0	46											
10/06/89	03:28	#2		2.43	1217	147.7												
10/06/89	03:42		SWH-CDE-06-03			147.9	43	2647	61	0.2	84	0.2	11	0.0	10	0.0	166	0.4
10/06/89	03:44					147.9												
10/06/89	05:22	#2		2.13	1065	149.6												
								82295	87 (WTD AVG)	7.2	137 (WTD AVG)	11.3	44 (WTD AVG)	3.6	35 (WTD AVG)	2.9	304 (WTD AVG)	25.0
						TWO SIGNIFICANT FIGURES:			0.087 (mg/l)	7.2	0.14 (mg/l)	11	0.044 (mg/l)	3.6	0.035 (mg/l)	2.9	0.30 (mg/l)	25

000232

ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	TANK NO.	SAMPLE ID	(gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/l)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
09/29/89	23:48					0												
09/30/89	01:17	#4				1.5												
09/30/89	02:08		SWH-ATW-01-01			2.3	55											
09/30/89	03:31	#4		3.80	1903	3.7												
09/30/89	05:11	#4		3.79	1898	5.4												
09/30/89	05:28		SWH-ATW-01-01			5.7	52											
09/30/89	05:45	#4		2.69	1344	6.0												
09/30/89	05:45	#3				6.0												
09/30/89	06:59	#3		3.67	1834	7.2												
09/30/89	09:35	#3		3.66	1832	9.8												
09/30/89	09:58	#3		1.38	691	10.2												
09/30/89	10:23		SWH-ATW-01-01			10.6	68	10211	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
09/30/89	10:47	#3		3.30	1652	11.0												
09/30/89	12:25	#3		3.33	1668	12.6												
09/30/89	12:30	system irreg. begin				12.7												
09/30/89	15:05	#3		3.35	1677	15.3												
09/30/89	16:36	#3		3.13	1566	16.8												
09/30/89	18:30	system irreg. end				18.7												
09/30/89	18:51	#3		3.29	1644	19.1												
09/30/89	20:08		SWH-ATW-01-02			20.3	75											
09/30/89	20:44	#3		3.77	1888	20.9												
09/30/89	22:13		SWH-ATW-01-02			22.4	70											
10/01/89	00:07		SWH-ATW-01-02			24.3	64	5582	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
10/01/89	01:15	#3		3.52	1761	25.5												
10/01/89	01:22	midpoint				25.6												
10/01/89	02:37	#3		3.65	1827	26.8												

000233

ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	TANK NO.	SAMPLE ID	(gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/l)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
10/01/89	04:12		SWH-ATW-02-01			28.4	61											
10/01/89	04:43	#3		3.78	1891	28.9												
10/01/89	07:09	#4				31.4												
10/01/89	07:55		SWH-ATW-02-01			32.1	61											
10/01/89	08:22	#4		3.61	1809	32.6												
10/01/89	10:08	#4		3.38	1692	34.3												
10/01/89	11:47		SWH-ATW-02-01			36.0	79	10124	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
10/01/89	13:15	#4		3.52	1761	37.5												
10/01/89	13:49	midpoint				38.0												
10/01/89	15:17	#4		3.39	1696	39.5												
10/01/89	15:52		SWH-ATW-02-02			40.1	90											
10/01/89	17:21	#4		3.20	1602	41.6												
10/01/89	19:27	#4		3.30	1650	43.7												
10/01/89	20:04		SWH-ATW-02-02			44.3	68											
10/01/89	22:00	#4		3.25	1625	46.2												
10/01/89	23:40					47.9												
10/01/89	23:40		SWH-ATW-02-02			47.9	50	7228	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
10/02/89	00:22	#4		3.04	1519	48.6												
10/03/89	07:33	#4				79.8												
10/03/89	08:00					80.2												
10/03/89	10:25	#4		2.99	1496	82.6												
10/03/89	11:54		SWH-ATW-04-01			84.1	55											
10/03/89	12:15	#4		3.27	1635	84.5												
10/03/89	14:50	#4		3.36	1680	87.0												
10/03/89	16:11		SWH-ATW-04-01			88.4	50											
10/03/89	16:36	#4		2.84	1421	88.8												

000234

ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	TANK NO.	SAMPLE ID	(gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/l)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
10/03/89	19:26	#4		3.30	1653	91.6												
10/03/89	20:13		SWH-ATW-04-01			92.4	43	9928	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
10/03/89	21:30	#3				93.7												
10/03/89	21:42	midpoint				93.9												
10/03/89	22:52	#3		2.99	1496	95.1												
10/03/89	23:12		SWH-ATW-04-02			95.4	39											
10/03/89	23:39	#3		2.85	1427	95.9												
10/04/89	01:30	#3		2.85	1425	97.7												
10/04/89	03:35	#3		2.98	1491	99.8												
10/04/89	03:48		SWH-ATW-04-02			100.0	28											
10/04/89	05:30	#3		3.10	1552	101.7												
10/04/89	07:31	#3		3.01	1505	103.7												
10/04/89	07:36		SWH-ATW-04-02			103.8	30	8234	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
10/04/89	09:33	#3		3.20	1603	105.8												
10/04/89	09:46	midpoint				106.0												
10/04/89	10:28	#3		2.49	1248	106.7												
10/04/89	11:57		SWH-ATW-05-01			108.2	63											
10/04/89	12:24	#3		2.73	1364	108.6												
10/04/89	14:04	#3		2.82	1413	110.3												
10/04/89	17:36	#3		2.14	1073	113.8												
10/04/89	17:57		SWH-ATW-05-01			114.2	54											
10/04/89	19:38	#3		2.57	1287	115.8												
10/04/89	21:25	#4				117.6												
10/04/89	21:28		SWH-ATW-05-01			117.7	50	7838	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
10/04/89	23:30	midpoint				119.7												
10/04/89	23:50	#4		2.59	1295	120.0												

000235

ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	TANK NO.	SAMPLE ID	(gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/l)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
10/05/89	01:32		SWH-ATW-05-02			121.7	46											
10/05/89	01:48	#4		2.60	1301	122.0												
10/05/89	03:35	#4		2.51	1255	123.8												
10/05/89	05:38	#4		2.18	1088	125.8												
10/05/89	06:06		SWH-ATW-05-02			126.3	46											
10/05/89	07:39	#4		2.28	1142	127.9												
10/05/89	10:05		SWH-ATW-05-02			130.3	52	6534	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
10/05/89	10:45	#4		1.72	863	131.0												
10/05/89	12:19	midpoint				132.5												
10/05/89	14:34		SWH-ATW-06-01			134.8	64											
10/05/89	14:50	#4		2.49	1245	135.0												
10/05/89	15:20	#4		4.30	2154	135.5												
10/05/89	16:34	#3				136.8												
10/05/89	17:28	#3		1.74	872	137.7												
10/05/89	17:40		SWH-ATW-06-01			137.9	54											
10/05/89	19:34	#3		2.37	1186	139.8												
10/05/89	21:26	#3		2.18	1092	141.6												
10/05/89	21:48		SWH-ATW-06-01			142.0	50	5769	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
10/05/89	23:27	#3		1.78	889	143.7												
10/05/89	23:43	midpoint				143.9												
10/06/89	01:30	#3		2.38	1190	145.7												
10/06/89	01:39		SWH-ATW-06-02			145.9	46											
10/06/89	03:29	#3		2.26	1132	147.7												
10/06/89	03:34		SWH-ATW-06-02			147.8	43	2107	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
10/06/89	03:44					147.9												
10/06/89	05:22	#3		1.38	691	149.6												

000236

ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST

Carcinogenic PAH Inventory

DATE	TIME	TANK NO.	SAMPLE ID	(gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (liters)	Benzo-(a)-Anthracene CONC (ug/l)	Benzo-(a)-Anthracene FLOW (g)	Chrysene CONC (ug/l)	Chrysene FLOW (g)	Benzo(b)-Fluoranthene CONC (ug/l)	Benzo(b)-Fluoranthene FLOW (g)	Benzo(k) Fluoranthene CONC (ug/l)	Benzo(k) Fluoranthene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
								73554	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
									(WTD AVG)		(WTD AVG)		(WTD AVG)		(WTD AVG)		(WTD AVG)	
			TWO SIGNIFICANT FIGURES:						0	0	0	0	0	0	0	0	0	0
									(mg/l)		(mg/l)		(mg/l)		(mg/l)		(mg/l)	

000237

POLYNUCLEAR AROMATIC HYDROCARBON (PAH) INVENTORY: NON-CARCINOGENIC

WASHED SOIL -- LOW SOIL TEST

Non-Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	MASS FLOW DURING COMPOSITE PERIOD (kg)	Fluorene CONC (ug/kg)	Flubrene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/25/89	12:37	TIME ZERO				0													
09/25/89	14:05					1.5													
09/25/89	14:37		SWL-WS-01-01			2.0													
09/25/89	15:05	WS-1		549		2.5													
09/25/89	16:26	WS-2		608		3.8													
09/25/89	16:40		SWL-WS-01-01			4.0													
09/25/89	17:26	WS-3		745		4.8													
09/25/89	18:35	WS-4		630		6.0													
09/25/89	18:37		SWL-WS-01-01			6.0	1961	140	0.3	200	0.4	2600	5.1	1600	3.1	2400	4.7	6940	13.6
09/25/89	19:50	midpoint				7.2													
09/25/89	19:54	WS-1		540		7.3													
09/25/89	21:00	WS-2		646		8.4													
09/25/89	21:04		SWL-WS-01-02			8.4													
09/25/89	22:10	WS-3		641		9.6													
09/25/89	22:50		SWL-WS-01-02			10.2													
09/25/89	23:30	WS-4		625		10.9													
09/26/89	00:37		SWL-WS-01-02			12.0	1630	140	0.2	200	0.3	2600	4.2	1600	2.6	2400	3.9	6940	11.3
09/26/89	00:45	WS-1		580		12.1													
09/26/89	01:35	midpoint				13.0													
09/26/89	01:47	WS-3		653		13.2													
09/26/89	02:33		SWL-WS-01-03			13.9													
09/26/89	02:51	WS-1		646		14.2													
09/26/89	03:58	WS-3	BROKEN SCALE	639		15.3													
09/26/89	04:37		SWL-WS-01-03			16.0													
09/26/89	05:08	WS-1		617		16.5													
09/26/89	06:17	WS-3		639		17.7													

000239

WASHED SOIL -- LOW SOIL TEST

Non-Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	MASS FLOW DURING COMPOSITE PERIOD (kg)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenanthrene CONC (ug/kg)	Phenanthrene FLOW (g)	Anthracene CONC (ug/kg)	Anthracene FLOW (g)	Fluoranthene CONC (ug/kg)	Fluoranthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/26/89	06:27		SWL-WS-01-03			17.8	1755	770	1.4	1500	2.6	5600	9.8	2100	3.7	2300	4.0	12270	21.5
09/26/89	07:33	WS-1		636		18.9													
09/26/89	07:40	midpoint				19.0													
09/26/89	08:38	WS-3		650		20.0													
09/26/89	08:53		SWL-WS-01-04			20.3													
09/26/89	09:44	WS-5		676		21.1													
09/26/89	10:43		SWL-WS-01-04			22.1													
09/26/89	11:03	WS-3		623		22.4													
09/26/89	12:16	WS-5		704		23.6													
09/26/89	13:08		SWL-WS-01-04			24.5	2064	13000	26.8	28000	57.8	82000	169.3	11000	22.7	9300	19.2	143300	295.8
09/26/89	13:34	WS-6		657		24.9													
09/26/89	14:32	midpoint				25.9													
09/26/89	14:45	WS-5		671		26.1													
09/26/89	15:36		SWL-WS-02-01			27.0													
09/26/89	15:56	WS-6		692		27.3													
09/26/89	16:36		SWL-WS-02-01			28.0													
09/26/89	17:11	WS-5		572		28.6													
09/26/89	17:59		SWL-WS-02-01			29.4	1495	150	0.2	220	0.3	4600	6.9	1400	2.1	1900	2.8	8270	12.4
09/26/89	18:15	WS-6		686		29.6													
09/26/89	19:32	WS-5		607		30.9													
09/26/89	19:42	midpoint				31.1													
09/26/89	20:46	WS-7		630		32.2													
09/26/89	21:25		SWL-WS-02-02			32.8													
09/26/89	22:00	WS-5		620		33.4													
09/26/89	22:34		SWL-WS-02-02			33.9													
09/26/89	23:20	WS-7		572		34.7													

000240

WASHED SOIL -- LOW SOIL TEST

Non-Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	MASS FLOW DURING COMPOSITE PERIOD (kg)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenanthrene CONC (ug/kg)	Phenanthrene FLOW (g)	Anthracene CONC (ug/kg)	Anthracene FLOW (g)	Fluoranthene CONC (ug/kg)	Fluoranthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/27/89	00:37	WS-5		566		36.0													
09/27/89	01:10		SWL-WS-02-02			36.6	1613	140	0.2	350	0.6	1900	3.1	1000	1.6	1900	3.1	5290	8.5
09/27/89	01:58	midpoint				37.3													
09/27/89	02:19	WS-8		467		37.7													
09/27/89	02:46		SWL-WS-02-03			38.2													
09/27/89	03:58	WS-5		462		39.3													
09/27/89	04:35		SWL-WS-02-03			40.0													
09/27/89	05:45	WS-8		408		41.1													
09/27/89	06:33		SWL-WS-02-03			41.9	1314	150	0.2	870	1.1	5200	6.8	1500	2.0	2900	3.8	10620	14.0
09/27/89	07:30	WS-5		439		42.9													
09/27/89	08:41	midpoint				44.1													
09/27/89	09:27	WS-8		400		44.8													
09/27/89	10:49		SWL-WS-02-04			46.2													
09/27/89	11:51	WS-5***		331		47.2													
09/27/89	12:12		SWL-WS-02-04			47.6													
09/27/89	13:30	WS-9		437		48.9													
09/27/89	14:47		SWL-WS-02-04			50.2	1106	150	0.2	870	1.0	5200	5.8	1500	1.7	37000	40.9	44720	49.5
09/27/89	15:07					50.5													
09/27/89	15:31	WS-10		382		50.9													
							12937	2280 (WTD AVG)	29.5	4958 (WTD AVG)	64.1	16306 (WTD AVG)	210.9	3051 (WTD AVG)	39.5	6376 (WTD AVG)	82.5	32972 (WTD AVG)	426.5
			Two Significant Figures...				13000	2.3 (mg/kg)	29	5 (mg/kg)	64	16 (mg/kg)	210	3.1 (mg/kg)	39	6.4 (mg/kg)	82	33 (mg/kg)	430

000241

MUNICIPAL WATER (MW) -- LOW SOIL TEST

Non-Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	MW FLOW DURING COMPOSITE PERIOD (liters)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenan-threne CONC (ug/l)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/l)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/l)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
09/25/89	12:37				0														
09/25/89	15:24	SWL-MW-01-01			2.8	70													
09/25/89	15:28		6.60	3303	2.8														
09/25/89	17:01		5.70	2852	4.4														
09/25/89	19:05	SWL-MW-01-01			6.5	40													
09/25/89	19:24		5.96	2982	6.8														
09/25/89	21:25		6.25	3128	8.8														
09/25/89	23:00	SWL-MW-01-01			10.4	36	14019	0	0	0	0	0	0	0	0	0	0	0	0
09/25/89	23:05		5.75	2877	10.5														
09/25/89	00:56	midpoint			12.3														
09/26/89	01:14		5.36	2682	12.6														
09/26/89	02:01		5.40	2702	13.4														
09/26/89	02:52	SWL-MW-01-02			14.3	34													
09/26/89	03:10		5.35	2677	14.5														
09/26/89	04:00		5.29	2647	15.4														
09/26/89	05:13		5.38	2692	16.6														
09/26/89	06:04		5.34	2672	17.4														
09/26/89	06:43	SWL-MW-01-02			18.1	33													
09/26/89	07:06		5.13	2567	18.5														
09/26/89	08:00		5.08	2542	19.4														
09/26/89	10:05		5.00	2502	21.5														
09/26/89	10:47	SWL-MW-01-02			22.2		18664	0	0	0	0	0	0	0	0	0	0	0	0
09/26/89	11:12		4.98	2492	22.6														
09/26/89	12:56	midpoint			24.3														
09/26/89	13:51		4.74	2372	25.2														
09/26/89	15:05	SWL-MW-02-01			26.5	60													

000242

MUNICIPAL WATER (MW) -- LOW SOIL TEST
Non-Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	MW FLOW DURING COMPOSITE PERIOD (liters)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenanthrene CONC (ug/l)	Phenanthrene FLOW (g)	Anthracene CONC (ug/l)	Anthracene FLOW (g)	Fluoranthene CONC (ug/l)	Fluoranthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
09/26/89	15:53		5.12	2562	27.3														
09/26/89	17:04		5.17	2587	28.4														
09/26/89	18:30	SWL-MW-02-01			29.9	40													
09/26/89	18:43		5.20	2602	30.1														
09/26/89	20:48		3.95	1977	32.2														
09/26/89	22:49	SWL-MW-02-01			34.2	49	15056	0	0	0	0	0	0	0	0	0	0	0	0
09/26/89	23:18		5.75	2877	34.7														
09/27/89	00:27		4.26	2132	35.8														
09/27/89	00:53	midpoint			36.3														
09/27/89	02:31		5.18	2592	37.9														
09/27/89	02:58	SWL-MW-02-02			38.3	48													
09/27/89	04:20		4.89	2447	39.7														
09/27/89	06:40	SWL-MW-02-02			42.0	36													
09/27/89	07:01		4.90	2452	42.4														
09/27/89	11:05	SWL-MW-02-02			46.5	40	13972	0	0	0	0	0	0	0	0	0	0	0	0
09/27/89	11:29		3.60	1801	46.9														
09/27/89	12:30		3.51	1756	47.9														
09/27/89	15:07				50.5														
09/27/89	15:29		3.83	1917	50.9														
							61711	0.0 (WTD AVG)	0.00	0.0 (WTD AVG)	0.00	0.0 (WTD AVG)	0.00	0.0 (WTD AVG)	0.00	0.0 (WTD AVG)	0.00	0.0 (WTD AVG)	0.00
							62000	0 (mg/l)	0	0 (mg/l)	0	0 (mg/l)	0	0 (mg/l)	0	0 (mg/l)	0	0 (mg/l)	0

000243

FEED SOIL (FS) -- LOW SOIL TEST
Non-Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/25/89	12:37																	
09/25/89	15:05	SWL-FS-01-01		0														
09/25/89	15:28			2.5	70													
09/25/89	16:37	SWL-FS-01-01		2.8														
09/25/89	17:00			4.0	60													
09/25/89	18:31	SWL-FS-01-01	670	4.4														
09/25/89	19:22			5.9		2071	13000	26.9	30000	62.1	140000	290.0	16000	33.1	38000	78.7	237000	490.9
09/25/89	19:47	midpoint	583	6.8														
09/25/89	21:04	SWL-FS-01-02		7.2														
09/25/89	21:24			8.4	36													
09/25/89	22:50	SWL-FS-01-02	583	8.8														
09/25/89	23:03			10.2	36													
09/26/89	00:37	SWL-FS-01-02	591	10.4														
09/26/89	01:12			12.0	35	1506	13000	19.6	31000	46.7	120000	180.7	14000	21.1	27000	40.7	205000	308.7
09/26/89	01:33	midpoint	542	12.6														
09/26/89	02:00			12.9														
09/26/89	02:30	SWL-FS-01-03	674	13.4														
09/26/89	03:10			13.9	34													
09/26/89	04:00		577	14.5														
09/26/89	04:34	SWL-FS-01-03	559	15.4														
09/26/89	05:13			15.9	33													
09/26/89	06:04		604	16.6														
09/26/89	06:25	SWL-FS-01-03	569	17.4														
09/26/89	07:06			17.8	33	1660	12000	19.9	28000	46.5	140000	232.4	17000	28.2	28000	46.5	225000	373.5
09/26/89	07:42	midpoint	627	18.5														
09/26/89	08:00			19.1														
09/26/89	09:00	SWL-FS-01-04	586	19.4														
				20.4	50													

000244

FEED SOIL (FS) -- LOW SOIL TEST

Non-Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenanthrene CONC (ug/kg)	Phenanthrene FLOW (g)	Anthracene CONC (ug/kg)	Anthracene FLOW (g)	Fluoranthene CONC (ug/kg)	Fluoranthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/26/89	10:03		595	21.4														
09/26/89	10:27	SWL-FS-01-04		21.8	50													
09/26/89	11:12		577	22.6														
09/26/89	13:37	SWL-FS-01-04		25.0	62	1750	16000	28.0	45000	78.7	180000	314.9	24000	42.0	38000	66.5	303000	530.1
09/26/89	13:50		552	25.2														
09/26/89	14:25	midpoint		25.8														
09/26/89	15:14	SWL-FS-02-01		26.6	62													
09/26/89	15:52		590	27.2														
09/26/89	16:32	SWL-FS-02-01		27.9	64													
09/26/89	17:03		500	28.4														
09/26/89	18:15	SWL-FS-02-01		29.6	41	1303	17000	22.2	48000	62.6	180000	234.6	23000	30.0	35000	45.6	303000	395.0
09/26/89	18:42		512	30.1														
09/26/89	19:45	midpoint		31.1														
09/26/89	20:46		554	32.2														
09/26/89	21:16	SWL-FS-02-02		32.6	50													
09/26/89	22:44	SWL-FS-02-02		34.1	49													
09/26/89	23:17		488	34.7														
09/27/89	00:26		423	35.8														
09/27/89	01:38	SWL-FS-02-02		37.0	46	1291	4700	6.1	9500	12.3	91000	117.5	19000	24.5	20000	25.8	144200	186.1
09/27/89	02:11	midpoint		37.6														
09/27/89	02:30		326	37.9														
09/27/89	02:45	SWL-FS-02-03		38.1	48													
09/27/89	04:20		301	39.7														
09/27/89	04:32	SWL-FS-02-03		39.9	46													
09/27/89	06:43	SWL-FS-02-03		42.1	36	875	12000	10.5	30000	26.3	98000	85.8	13000	11.4	15000	13.1	168000	147.1
09/27/89	07:00		304	42.4														
09/27/89	08:42	midpoint		44.1														

FEED SOIL (FS) -- LOW SOIL TEST

Non-Carcinogenic PAH Inventory

DATE	TIME	SAMPLE ID	RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenanthrene CONC (ug/kg)	Phenanthrene FLOW (g)	Anthracene CONC (ug/kg)	Anthracene FLOW (g)	Fluoranthene CONC (ug/kg)	Fluoranthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/27/89	10:31		274	45.9														
09/27/89	10:42	SWL-FS-02-04		46.1	52													
09/27/89	11:23		269	46.8														
09/27/89	12:03	SWL-FS-02-04		47.4	66													
09/27/89	12:30		265	47.9														
09/27/89	15:00	SWL-FS-02-04		50.4	74	753	2600	2.0	24000	18.1	110000	82.9	12000	9.0	23000	17.3	171600	129.2
09/27/89	15:07			50.5														
09/27/89	15:28		243	50.8														
						11210	12053 (WTD AVG)	135.1	31509 (WTD AVG)	353.2	137270 (WTD AVG)	1538.7	17784 (WTD AVG)	199.4	29816 (WTD AVG)	334.2	228431 (WTD AVG)	2560.6
		Two Significant Figures...				11000	12 (mg/kg)	140	32 (mg/kg)	350	140 (mg/kg)	1500	18 (mg/kg)	200	30 (mg/kg)	330	230 (mg/kg)	2600

000246

FINE PARTICLE CAKE (FPC) -- LOW SOIL TEST

Non-Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/25/89	12:37					0													
09/25/89	14:51		SWL-FPC-01-01		70	2.2													
09/25/89	15:43	FPC-1		58		3.1													
09/25/89	16:50		SWL-FPC-01-01		60	4.2													
09/25/89	18:49		SWL-FPC-01-01		40	6.2	195	17000	3.3	44000	8.6	240000	46.7	21000	4.1	24000	4.7	346000	67.4
09/25/89	20:02	midpoint				7.4													
09/25/89	21:15		SWL-FPC-01-02		36	8.6													
09/25/89	22:40		SWL-FPC-01-02		36	10.0													
09/25/89	23:15	FPC-2 *		58		10.6													
09/26/89	00:49		SWL-FPC-01-02		35	12.2	215	53000	11.4	110000	23.6	500000	107.5	48000	10.3	110000	23.6	821000	176.4
09/26/89	01:47	midpoint				13.2													
09/26/89	02:44	FPC-3		113		14.1													
09/26/89	02:46		SWL-FPC-01-03		34	14.2													
09/26/89	04:49		SWL-FPC-01-03		33	16.2													
09/26/89	05:45	FPC-4		143		17.1													
09/26/89	06:38		SWL-FPC-01-03		33	18.0	382	45000	17.2	150000	57.3	530000	202.4	51000	19.5	65000	24.8	841000	321.2
09/26/89	07:39	midpoint				19.0													
09/26/89	08:32	FPC-5		160		19.9													
09/26/89	08:40		SWL-FPC-01-04		55	20.1													
09/26/89	10:30		SWL-FPC-01-04		55	21.9													
09/26/89	11:45	FPC-6		143		23.1													
09/26/89	13:23		SWL-FPC-01-04		60	24.8	436	27000	11.8	71000	31.0	550000	239.9	35000	15.3	43000	18.8	726000	316.6
09/26/89	14:21	midpoint				25.7													
09/26/89	15:19		SWL-FPC-02-01		62	26.7													
09/26/89	15:23	FPC-7		138		26.8													
09/26/89	16:48		SWL-FPC-02-01		64	28.2													

000247

FINE PARTICLE CAKE (FPC) -- LOW SOIL TEST

Non-Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenanthrene CONC (ug/kg)	Phenanthrene FLOW (g)	Anthracene CONC (ug/kg)	Anthracene FLOW (g)	Fluoranthene CONC (ug/kg)	Fluoranthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/26/89	18:18		SWL-FPC-02-01		40	29.7	320	43000	13.8	120000	38.4	580000	185.7	42000	13.4	83000	26.6	868000	277.9
09/26/89	19:03	FPC-8		122		30.4													
09/26/89	19:52	midpoint				31.3													
09/26/89	21:27		SWL-FPC-02-02		50	32.8													
09/26/89	22:25	FPC-9		139		33.8													
09/26/89	22:48		SWL-FPC-02-02		49	34.2													
09/27/89	01:25		SWL-FPC-02-02		48	36.8	328	44000	14.4	120000	39.3	610000	200.0	47000	15.4	77000	25.2	898000	294.4
09/27/89	02:08	midpoint				37.5													
09/27/89	02:51		SWL-FPC-02-03		48	38.2													
09/27/89	03:23	FPC-10		99		38.8													
09/27/89	04:45		SWL-FPC-02-03		46	40.1													
09/27/89	06:37		SWL-FPC-02-03		36	42.0	277	44000	12.2	120000	33.2	630000	174.5	48000	13.3	85000	23.5	927000	256.8
09/27/89	08:45	midpoint				44.1													
09/27/89	08:47	FPC-11		91		44.2													
09/27/89	10:53		SWL-FPC-02-04		52	46.3													
09/27/89	12:16		SWL-FPC-02-04		66	47.6													
09/27/89	14:37	FPC-12		77		50.0													
09/27/89	14:56		SWL-FPC-02-04		74	50.3	221	37000	8.2	92000	20.3	630000	139.3	40000	8.8	67000	14.8	866000	191.5
09/27/89	15:07		END OF TEST			50.5													
							2374	38850 (WTD AVG)	92.2	106075 (WTD AVG)	251.8	545944 (WTD AVG)	1296.0	42187 (WTD AVG)	100.1	68273 (WTD AVG)	162.1	801330 (WTD AVG)	1902.2
			Two Significant Figures...				2400	39 (mg/kg)	92	110 (mg/kg)	250	550 (mg/kg)	1300	42 (mg/kg)	100	68 (mg/kg)	160	800 (mg/kg)	1900

* Start-of-collection time is an estimate.

000248

FINE OVERSIZE (FO) -- LOW SOIL TEST

Non-Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenanthrene CONC (ug/kg)	Phenanthrene FLOW (g)	Anthracene CONC (ug/kg)	Anthracene FLOW (g)	Fluoranthene CONC (ug/kg)	Fluoranthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/25/89	12:37					0													
09/25/89	14:44		SWL-FO-01-01		70	2.1													
09/25/89	16:45		SWL-FO-01-01		60	4.1													
09/25/89	18:44		SWL-FO-01-01		40	6.1	89	7100	0.6	19000	1.7	42000	3.8	6500	0.6	8300	0.7	82900	7.4
09/25/89	19:00	FO-X		27		6.4													
09/25/89	19:55	midpoint				7.3													
09/25/89	21:07		SWL-FO-01-02		36	8.5													
09/25/89	22:45		SWL-FO-01-02		36	10.1													
09/26/89	00:39		SWL-FO-01-02		35	12.0	68	6500	0.4	20000	1.4	46000	3.1	8500	0.6	11000	0.8	92000	6.3
09/26/89	01:37	midpoint				13.0													
09/26/89	02:35		SWL-FO-01-03		34	14.0													
09/26/89	04:40		SWL-FO-01-03		33	16.0													
09/26/89	06:28		SWL-FO-01-03		34	17.8	72	33000	2.4	74000	5.3	260000	18.7	18000	1.3	15000	1.1	400000	28.8
09/26/89	07:36	midpoint				19.0													
09/26/89	08:45		SWL-FO-01-04		55	20.1													
09/26/89	10:25	FO-1		27		21.8													
09/26/89	10:37		SWL-FO-01-04		55	22.0													
09/26/89	13:15		SWL-FO-01-04		60	24.6	87	61000	5.3	120000	10.5	190000	16.6	22000	1.9	29000	2.5	422000	36.8
09/26/89	14:21	midpoint				25.7													
09/26/89	15:28		SWL-FO-02-01		62	26.8													
09/26/89	16:43		SWL-FO-02-01		64	28.1													
09/26/89	18:01		SWL-FO-02-01		40	29.4	72	12000	0.9	80000	5.8	150000	10.8	6800	0.5	11000	0.8	259800	18.7
09/26/89	19:40	midpoint				31.1													
09/26/89	21:20		SWL-FO-02-02		50	32.7													
09/26/89	22:37		SWL-FO-02-02		49	34.0													
09/27/89	00:29	FO-2		30		35.9													

000249

FINE OVERSIZE (FO) -- LOW SOIL TEST

Non-Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenanthrene CONC (ug/kg)	Phenanthrene FLOW (g)	Anthracene CONC (ug/kg)	Anthracene FLOW (g)	Fluoranthene CONC (ug/kg)	Fluoranthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/27/89	01:20		SWL-FO-02-02		48	36.7	87	7000	0.6	18000	1.6	76000	6.6	7000	0.6	7900	0.7	115900	10.1
09/27/89	02:04	midpoint				37.5													
09/27/89	02:49		SWL-FO-02-03		48	38.2													
09/27/89	04:36		SWL-FO-02-03		46	40.0													
09/27/89	06:24		SWL-FO-02-03		36	41.8	92	5400	0.5	14000	1.3	99000	9.1	5500	0.5	8500	0.8	132400	12.2
09/27/89	08:51	midpoint				44.2													
09/27/89	11:19		SWL-FO-02-04		52	46.7													
09/27/89	12:25		SWL-FO-02-04		66	47.8													
09/27/89	15:07		SWL-FO-02-04		74	50.5	85	16000	1.4	35000	3.0	140000	11.9	11000	0.9	17000	1.4	219000	18.7
09/27/89	15:07	FO-?	WEIGHT NOT R	30		50.5													
09/27/89	15:07		END OF TEST			50.5													
							653	18531 (WTD AVG)	12.1	46612 (WTD AVG)	30.4	123463 (WTD AVG)	80.6	10591 (WTD AVG)	6.9	13490 (WTD AVG)	8.8	212687 (WTD AVG)	138.9
			Two Significant Figures...				650	19 (mg/kg)	12	47 (mg/kg)	30	120 (mg/kg)	81	11 (mg/kg)	6.9	13 (mg/kg)	8.8	210 (mg/kg)	140

000250

COARSE OVERSIZE (CO) -- LOW SOIL TEST

Non-Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	Fluorene, CONC (ug/kg)	Fluorene FLOW (g)	Phenanthrene CONC (ug/kg)	Phenanthrene FLOW (g)	Anthracene CONC (ug/kg)	Anthracene FLOW (g)	Fluoranthene CONC (ug/kg)	Fluoranthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/25/89	12:37					0													
09/25/89	12:40					0.0													
09/25/89	15:12		SWL-CO-01-01		70	2.6													
09/25/89	16:49		SWL-CO-01-01		60	4.2													
09/25/89	18:15	CO-1		91		5.6													
09/25/89	19:00		SWL-CO-01-01		32	6.4	288	33000	9.5	30000	8.6	110000	31.7	15000	4.3	22000	6.3	210000	60.5
09/25/89	19:57	midpoint				7.3													
09/25/89	20:55		SWL-CO-01-02		32	8.3													
09/25/89	22:55		SWL-CO-01-02		32	10.3													
09/26/89	00:12	CO-1		71		11.6													
09/26/89	00:53		SWL-CO-01-02		32	12.3	192	11000	2.1	30000	5.7	110000	21.1	11000	2.1	18000	3.4	180000	34.5
09/26/89	01:51	midpoint				13.2													
09/26/89	02:50		SWL-CO-01-03		32	14.2													
09/26/89	04:54		SWL-CO-01-03		32	16.3													
09/26/89	06:40		SWL-CO-01-03		32	18.0	206	14000	2.9	38000	7.8	180000	37.1	12500	2.6	21000	4.3	265500	54.7
09/26/89	06:46	CO-2		74		18.1													
09/26/89	07:53	midpoint				19.3													
09/26/89	09:07		SWL-CO-01-04		55	20.5													
09/26/89	10:20		SWL-CO-01-04		55	21.7													
09/26/89	13:03	CO-3		80		24.4													
09/26/89	13:42		SWL-CO-01-04		60	25.1	235	51000	12.0	120000	28.2	270000	63.4	27000	6.3	52000	12.2	520000	122.1
09/26/89	14:26	midpoint				25.8													
09/26/89	15:10		SWL-CO-02-01		62	26.5													
09/26/89	16:57		SWL-CO-02-01		64	28.3													
09/26/89	18:26		SWL-CO-02-01		32	29.8	191	6100	1.2	15000	2.9	31000	5.9	13000	2.5	14000	2.7	79100	15.1
09/26/89	19:40	CO-4		77		31.0													

COARSE OVERSIZE (CO) -- LOW SOIL TEST

Non-Carcinogenic PAH Inventory

DATE	TIME	DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
09/26/89	20:00	midpoint				31.4													
09/26/89	21:34		SWL-CO-02-02		50	32.9													
09/26/89	22:50		SWL-CO-02-02		49	34.2													
09/27/89	01:32		SWL-CO-02-02		32	36.9	165	10000	1.7	32000	5.3	170000	28.1	13000	2.1	20000	3.3	245000	40.4
09/27/89	02:15	midpoint				37.6													
09/27/89	02:58		SWL-CO-02-03		48	38.3													
09/27/89	04:49		SWL-CO-02-03		46	40.2													
09/27/89	05:16	CO-5		58		40.6													
09/27/89	06:39		SWL-CO-02-03		32	42.0	163	32000	5.2	78000	12.7	270000	43.9	15000	2.4	24000	3.9	419000	68.1
09/27/89	08:42	midpoint				44.1													
09/27/89	10:45		SWL-CO-02-04		52	46.1													
09/27/89	12:07		SWL-CO-02-04		66	47.5													
09/27/89	14:44		SWL-CO-02-04		74	50.1	155	16000	2.5	54000	8.4	270000	41.8	17000	2.6	25000	3.9	382000	59.2
09/27/89	15:07					50.5													
09/27/89	15:55	CO-6		53		51.3													
							1594	23192 (WTD AVG)	37.0	49936 (WTD AVG)	79.6	171255 (WTD AVG)	273.0	15712 (WTD AVG)	25.0	25141 (WTD AVG)	40.1	285236 (WTD AVG)	454.7
			Two Significant Figures...				1600	23 (mg/kg)	37	50 (mg/kg)	80	170 (mg/kg)	270	16 (mg/kg)	25	25 (mg/kg)	40	290 (mg/kg)	450

000252

COMBINED DEWATERING EFFLUENT (CDE) -- LOW SOIL TEST

Non-Carcinogenic PAH Inventory

DATE	TIME	TANK NO.	----CDE RATE--- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (liters)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenan-threne CONC (ug/l)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/l)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/l)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
09/25/89	12:37				0														
09/25/89	15:18	SWL-CDE-01-01			2.7	70													
09/25/89	15:25	#2			2.8														
09/25/89	16:45	SWL-CDE-01-01			4.1	60													
09/25/89	17:08	#2	5.89	2947	4.5														
09/25/89	18:55	SWL-CDE-01-01			6.3	40	9901	32	0.3	42	0.4	150	1.5	12	0.1	19	0.2	255	2.5
09/25/89	19:10	#2	6.37	3186	6.6														
09/25/89	20:04	midpoint			7.4														
09/25/89	21:13	SWL-CDE-01-02			8.6	36													
09/25/89	21:30	#2	4.50	2251	8.9														
09/25/89	22:53	SWL-CDE-01-02			10.3	36													
09/25/89	23:03	#2	6.18	3091	10.4														
09/26/89	00:55	SWL-CDE-01-02			12.3	35	6991	28	0.2	36	0.3	92	0.6	12	0.1	12	0.1	180	1.3
09/26/89	01:10	#2	5.14	2573	12.6														
09/26/89	01:55	midpoint			13.3														
09/26/89	02:05	#2	5.18	2590	13.5														
09/26/89	02:55	SWL-CDE-01-03			14.3	34													
09/26/89	03:14	#2	5.19	2595	14.6														
09/26/89	04:04	#2	4.78	2391	15.5														
09/26/89	04:51	SWL-CDE-01-03			16.2	33													
09/26/89	05:17	#2	5.39	2695	16.7														
09/26/89	06:07	#2	5.01	2505	17.5														
09/26/89	06:36	SWL-CDE-01-03			18.0	33	6673	14	0.1	13	0.1	120	0.8	12	0.1	12	0.1	171	1.1
09/26/89	07:39	midpoint			19.0														
09/26/89	08:02	#2	5.09	2548	19.4														
09/26/89	08:43	SWL-CDE-01-04			20.1														

000253

COMBINED DEWATERING EFFLUENT (CDE) -- LOW SOIL TEST

Non-Carcinogenic PAH Inventory

DATE	TIME	TANK NO.	----CDE RATE--- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (liters)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenanthrene CONC (ug/l)	Phenanthrene FLOW (g)	Anthracene CONC (ug/l)	Anthracene FLOW (g)	Fluoranthene CONC (ug/l)	Fluoranthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
09/26/89	10:30	#2	4.24	2123	21.9														
09/26/89	10:33	SWL-CDE-01-04			21.9	55													
09/26/89	11:07	#1			22.5														
09/26/89	13:23	SWL-CDE-01-04			24.8	61	7037	47	0.3	110	0.8	410	2.9	35	0.2	53	0.4	655	4.6
09/26/89	13:49	#1	4.76	2382	25.2														
09/26/89	14:27	midpoint			25.8														
09/26/89	15:32	SWL-CDE-02-01			26.9	62													
09/26/89	15:52	#1	4.90	2450	27.2														
09/26/89	16:52	SWL-CDE-02-01			28.2	64													
09/26/89	17:05	#1	5.11	2559	28.5														
09/26/89	18:10	SWL-CDE-02-01			29.5	40	6029	30	0.2	47	0.3	140	0.8	12	0.1	17	0.1	246	1.5
09/26/89	18:42	#1	4.91	2455	30.1														
09/26/89	19:50	midpoint			31.2														
09/26/89	20:51	#1	4.82	2410	32.2														
09/26/89	21:31	SWL-CDE-02-02			32.9	50													
09/26/89	22:46	SWL-CDE-02-02			34.1	49													
09/26/89	23:21	#1	4.68	2341	34.7														
09/27/89	00:35	#1	4.42	2213	36.0														
09/27/89	01:35	SWL-CDE-02-02			37.0	46	6784	49	0.3	91	0.6	430	2.9	28	0.2	44	0.3	642	4.4
09/27/89	02:20	midpoint			37.7														
09/27/89	02:34	#1	4.49	2249	38.0														
09/27/89	03:05	SWL-CDE-02-03			38.5	48													
09/27/89	04:25	#1	4.98	2492	39.8														
09/27/89	04:47	SWL-CDE-02-03			40.2	46													
09/27/89	06:35	SWL-CDE-02-03			42.0	36	6978	61	0.4	98	0.7	400	2.8	30	0.2	51	0.4	640	4.5
09/27/89	07:04	#1	4.52	2263	42.5														

000254

COMBINED DEWATERING EFFLUENT (CDE) -- LOW SOIL TEST

Non-Carcinogenic PAH Inventory

DATE	TIME	TANK NO.		----CDE RATE--- (gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	CDE FLOW DURING COMPOSITE PERIOD (liters)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenan-threne CONC (ug/l)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/l)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/l)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
09/27/89	08:49	midpoint				44.2														
09/27/89	10:30	#1		4.85	2426	45.9														
09/27/89	11:03		SWL-CDE-02-04			46.4	52													
09/27/89	11:22	#1		4.74	2371	46.7														
09/27/89	12:10		SWL-CDE-02-04			47.5	66													
09/27/89	12:29	#1		4.62	2314	47.9														
09/27/89	12:52	#1		4.46	2229	48.2														
09/27/89	12:52	#2				48.2														
09/27/89	14:51		SWL-CDE-02-04			50.2	74	6457	44	0.3	55	0.4	340	2.2	21	0.1	33	0.2	493	3.2
09/27/89	15:07					50.5														
09/27/89	15:27	#2		4.13	2067	50.8														
								56850	38 (WTD AVG)	2.2	61 (WTD AVG)	3.5	256 (WTD AVG)	14.6	20 (WTD AVG)	1.1	30 (WTD AVG)	1.7	405 (WTD AVG)	23.0
			Two Significant Figures...					57000	0.038 (mg/l)	2.2	0.061 (mg/l)	3.5	0.26 (mg/l)	15	0.02 (mg/l)	1.1	0.03 (mg/l)	1.7	0.41 (mg/l)	23

000255

WASHED SOIL (WS) -- HIGH SOIL TEST
Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	Acenaph-thene CONC (ug/kg)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
				-0.2															
WS-X				0															
	SWH-WS-01-01	621		1.0															
WS-12			55	2.0															
	SWH-WS-01-01	454		2.6															
WS-X			54	3.9															
	SWH-WS-01-01	454		4.3															
WS-12			52	5.4															
midpoint		471		5.9	1393	460	0.6	1100	1.5	3600	5.0	1800	2.5	6200	8.6	4600	6.4	17760	24.7
	SWH-WS-01-02			6.3															
WS-X			53	7.3															
WS-12		450		7.7															
	SWH-WS-01-	412		9.5															

WASHED SOIL (WS) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	Acenaph-thene CONC (ug/kg)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
	SWH-WS-01-04		64	24.6	1429	1400	2.0	380	0.5	5700	8.1	3600	5.1	6500	9.3	6200	8.9	23780	34.0
midpoint				25.5															
WS-15		473		25.7															
	SWH-WS-02-01		63	26.4															
WS-16		460		27.4															
	SWH-WS-02-01		61	27.9															
WS-15		468		29.1															
	SWH-WS-02-01		61	30.0	1128	750	0.8	1500	1.7	6500	7.3	3600	4.1	6400	7.2	7100	8.0	25850	29.2
WS-16		413		30.9															
midpoint				31.1															
	SWH-WS-02-02		61	32.2															
WS-15		419		32.9															
	SWH-WS-02-02		70	34.0															
WS-16		340		34.6															
	SWH-WS-02-02		79	36.1	1213	720	0.9	610	0.7	4100	5.0	1500	1.8	5000	6.1	3700	4.5	15630	19.0
WS-15		438		36.5															
midpoint				37.1															
	SWH-WS-02-03		85	38.2															
WS-16		445		38.4															
WS-15		433		40.2															
	SWH-WS-02-03		90	40.3															
	SWH-WS-02-03		82	41.8	939	1600	1.5	1900	1.8	7900	7.4	3800	3.6	8800	8.3	9700	9.1	33700	31.6
midpoint				42.9															
WS-16		270		43.0															
	SWH-WS-02-04		60	44.0															
WS-15		371		46.0															
	SWH-WS-02-04		54	46.5															

000257

WASHED SOIL (WS) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	Acenaphthene CONC (ug/kg)	Acenaphthene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenanthrene CONC (ug/kg)	Phenanthrene FLOW (g)	Anthracene CONC (ug/kg)	Anthracene FLOW (g)	Fluoranthene CONC (ug/kg)	Fluoranthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
	SWH-WS-02-04		50	47.7	670	1300	0.9	380	0.3	6000	4.0	2900	1.9	7000	4.7	5900	4.0	23480	15.7
				47.9															
WS-16		383		48.0															
				80.2															
				80.9															
	SWH-WS-04-01		37	82.3															
WS-18		501		82.5															
	SWH-WS-04-01		55	84.2															
WS-14		505		84.2															
WS-18		485		85.9															
	SWH-WS-04-01		46	86.7	1697	1700	2.9	2000	3.4	9000	15.3	2800	4.8	7200	12.2	11000	18.7	33700	57.2
WS-14		544		87.4															
midpoint				87.6															
	SWH-WS-04-02		50	88.5															
WS-18		484		88.9															
	SWH-WS-04-02		48	89.9															
WS-19		532		90.5															
WS-18		497		92.1															
	SWH-WS-04-02		43	92.1	1351	2000	2.7	1200	1.6	7700	10.4	7200	9.7	7900	10.7	9100	12.3	35100	47.4
WS-19		589		93.3															
midpoint				93.3															
	SWH-WS-04-03		37	94.5															
WS-18		514		94.7															
	SWH-WS-04-03		39	95.3															
WS-19		514		96.2															
WS-18		575		97.5															
	SWH-WS-04-03		34	97.9	1365	1400	1.9	960	1.3	8200	11.2	5800	7.9	8200	11.2	7100	9.7	31660	43.2

000258

WASHED SOIL (WS) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	Acenaph-thene CONC (ug/kg)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
midpoint				99.0															
WS-20		516		99.0															
	SWH-WS-04-04		28	100.1															
WS-18		515		100.6															
	SWH-WS-04-04		28	102.1															
WS-20		484		102.3															
WS-18		506		103.7															
	SWH-WS-04-04		30	103.9	1409	820	1.2	700	1.0	8800	12.4	4400	6.2	8600	12.1	5000	7.0	28320	39.9
midpoint				105.1															
WS-20		518		105.5															
	SWH-WS-05-01		46	106.3															
WS-18		568		106.9															
	SWH-WS-05-01		63	108.4															
WS-20		572		108.4															
WS-18		587		109.8															
	SWH-WS-05-01		59	109.9	1718	1700	2.9	1600	2.7	12000	20.6	5700	9.8	11000	18.9	12000	20.6	44000	75.6
WS-20		651		111.1															
midpoint				112.0															
WS-21		306		113.0															
	SWH-WS-05-02		54	114.2															
WS-20		470		114.7															
	SWH-WS-05-02		52	116.0															
WS-18		506		116.3															
	SWH-WS-05-02		50	117.6	1310	3600	4.7	4300	5.6	16000	21.0	6700	8.8	17000	22.3	11000	14.4	58600	76.8
WS-20		456		118.0															
midpoint				118.5															
	SWH-WS-05-03		48	119.8															

000259

WASHED SOIL (WS) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	Acenaph-thene CONC (ug/kg)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
WS-18		381		120.1															
	SWH-WS-05-03		46	121.8															
WS-20		413		122.1															
WS-21		441		123.8															
	SWH-WS-05-03		40	123.9	1257	3200	4.0	3700	4.7	14000	17.6	6400	8.0	12000	15.1	9900	12.4	49200	61.9
midpoint				125.1															
WS-20		446		125.6															
	SWH-WS-05-04		46	126.4															
WS-21		465		127.2															
	SWH-WS-05-04		46	127.8															
WS-22		447		129.2															
	SWH-WS-05-04		52	130.5	1251	5000	6.3	6300	7.9	20000	25.0	8100	10.1	17000	21.3	20000	25.0	76400	95.5
WS-21		442		131.0															
midpoint				131.3															
	SWH-WS-06-01		66	132.2															
WS-22		397		133.0															
	SWH-WS-06-01		64	134.6															
WS-23		477		134.8															
	SWH-WS-06-01		55	136.3	1229	760	0.9	650	0.8	13000	16.0	4900	6.0	11000	13.5	9800	12.0	40110	49.3
WS-22		502		136.5															
midpoint				137.2															
	SWH-WS-06-02		54	138.0															
WS-23		473		138.1															
	SWH-WS-06-02		52	139.6															
WS-22		478		139.8															
WS-24		450		141.6															
	SWH-WS-06-02		50	142.3	1227	760	0.9	640	0.8	13000	16.0	5000	6.1	11000	13.5	9500	11.7	39900	49.0

000260

WASHED SOIL (WS) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FS FLOW DURING COMPOSITE PERIOD (kg)	Acenaph-thene CONC (ug/kg)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
midpoint				143.0															
WS-22		464		143.2															
	SWH-WS-06-03		48	143.7															
WS-25		445		145.0															
	SWH-WS-06-03		46	146.0															
WS-22		501		146.6															
	SWH-WS-06-03		43	147.9	1081	750	0.8	640	0.7	13000	14.1	5100	5.5	11000	11.9	9200	9.9	39690	42.9
				147.9															
WS-25		515		148.1															
					22857	1683	38.5	1746	39.9	9902	226.3	4678	106.9	9620	219.9	8990	205.5	36619	837.0
						(WTD AVG)		(WTD AVG)		(WTD AVG)		(WTD AVG)		(WTD AVG)		(WTD AVG)		(WTD AVG)	
TWO SIGNIFICANT FIGURES:						1.7	38	1.7	40	9.9	230	4.7	110	9.6	220	9	210	37	840
						(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	

000261

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	MW FLOW DURING COMPOSITE PERIOD (liters)	Acenaph-thene CONC (ug/l)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenan-threne CONC (ug/l)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/l)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/l)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
			0																
	0.45	225	1.5																
SWH-MW-01-01			2.4	55															
	0.56	280	3.7																
	0.50	250	5.3																
SWH-MW-01-01			5.7	52															
	0.52	260	7.1																
SWH-MW-01-01			10.5	68	974	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
	0.35	175	11.3																
	0.80	400	12.6																
rreg. perf. begins			12.7																
	0.60	300	13.7																
	0.30	150	15.4																
rreg. perf. ends			18.7																
SWH-MW-01-02			20.2	75															
	0.50	250	20.9																
SWH-MW-01-02			22.5	70															
	0.50	250	22.9																
SWH-MW-01-02			24.3	64	139	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
	0.85	425	25.4																
idpoint			26.3																
	0.87	435	26.9																
SWH-MW-02-01			28.3	61															
	0.50	250	28.9																
	0.51	255	31.3																
SWH-MW-02-01			32.0	61															

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	MW FLOW DURING COMPOSITE PERIOD (liters)	Acenaph-thene CONC (ug/l)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenan-threne CONC (ug/l)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/l)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/l)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
	0.45	225	32.6																
	0.78	390	34.3																
SWH-MW-02-01			34.8	78	1083	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
idpoint			37.3																
	0.65	325	38.9																
	0.65	325	39.6																
SWH-MW-02-02			39.8	90															
	0.85	425	40.7																
SWH-MW-02-02			44.3	68															
	0.00	0	44.6																
	0.00	0	46.7																
SWH-MW-02-02			47.8	50	209	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
			47.9																
	0.60	300	48.6																
			80.2																
	0.75	375	80.8																
	0.70	350	82.7																
SWH-MW-04-01			84.1	55															
	0.40	200	84.4																
	0.72	360	87.0																
SWH-MW-04-01			88.4	50															
	0.45	225	88.8																
	0.75	375	90.3																
SWH-MW-04-01			92.4	43	1158	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
	0.00	0	92.6																
idpoint			93.8																

000263

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	MW FLOW DURING COMPOSITE PERIOD (liters)	Acenaph-thene CONC (ug/l)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenan-threne CONC (ug/l)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/l)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/l)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
	0.00	0	94.1																
SWH-MW-04-02			95.2	39															
	0.00	0	96.0																
	0.00	0	97.7																
	0.00	0	99.8																
SWH-MW-04-02			100.0	28															
	0.00	0	101.8																
	0.33	165	103.7																
SWH-MW-04-02			103.9	30	145	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
idpoint			106.1																
	0.00	0	106.6																
SWH-MW-05-01			108.3	63															
	0.60	300	108.6																
	0.30	150	110.2																
	0.00	0	113.8																
SWH-MW-05-01			114.1	54															
	0.00	0	116.2																
SWH-MW-05-01			117.7	50	152	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
	0.00	0	117.9																
idpoint			119.7																
	0.00	0	120.0																
SWH-MW-05-02			121.7	46															
	0.00	0	122.5																
	0.00	0	124.7																
	0.00	0	126.1																
SWH-MW-05-02			126.4	46															

000264

MUNICIPAL WATER (MW) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

	TOTAL (gpm)	TOTAL (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	MW FLOW DURING COMPOSITE PERIOD (liters)	Acenaph-thene CONC (ug/l)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenan-threne CONC (ug/l)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/l)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/l)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
SWH-MW-05-02			130.3	52	211	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
	0.30	150	130.9																
	0.60	300	131.8																
Midpoint			132.4																
SWH-MW-06-01			134.6	64															
	0.30	150	135.0																
	0.30	150	136.8																
SWH-MW-06-01			137.9	57															
	0.00	0	138.7																
	0.00	0	140.0																
SWH-MW-06-01			142.2	50	110	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
	0.00	0	143.4																
Midpoint			144.1																
	0.00	0	144.2																
	0.00	0	145.7																
SWH-MW-06-02			145.9	46															
	0.00	0	147.6																
			147.9																
SWH-MW-06-02			147.9	46	0	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00
					4182	0.00 (WTD AVG)	0.00	0.00 (WTD AVG)	0.00	0.00 (WTD AVG)	0.00	0.00 (WTD AVG)	0.00	0.00 (WTD AVG)	0.00	0.00 (WTD AVG)	0.00	0.00 (WTD AVG)	0.00
TWO SIGNIFICANT FIGURES:						0 (mg/l)	0	0 (mg/l)	0	0 (mg/l)	0	0 (mg/l)	0	0 (mg/l)	0	0 (mg/l)	0	0 (mg/l)	0

000265

FEED SOIL (FS) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Acenaph-thene CONC (ug/kg)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-antheneCONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
		0																
		1.5																
SWH-FS-01-01		2.0	55															
	316	3.6																
SWH-FS-01-01		3.8	54															
	340	5.3																
SWH-FS-01-01		5.3	52	908	17000	15.4	16000	14.5	69000	62.6	36000	32.7	76000	69.0	50000	45.4	264000	239.6
midpoint		6.2																
	309	7.1																
SWH-FS-01-02		7.2	53															
	264	10.3																
SWH-FS-01-02		10.5																
	319	11.3																
SWH-FS-01-02		12.0		859	19000	16.3	2000	1.7	73000	62.7	49000	42.1	65000	55.9	79000	67.9	287000	246.6
	329	12.5																
irreg. perf. begins		12.7																
	319	13.7																
	319	15.3																
	86	18.2																
irreg. perf. ends		18.7																
	311	19.1																
SWH-FS-01-04		19.8	75															
	323	20.8																
SWH-FS-01-04		22.4	70															
	347	22.9																
SWH-FS-01-04		24.6	64	975	14000	13.7	2000	2.0	43000	41.9	30000	29.3	54000	52.7	55000	53.6	198000	193.1

000266

FEED SOIL (FS) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Acenaph-thene CONC (ug/kg)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-antheneanthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
midpoint		25.3																
	311	25.4																
SWH-FS-02-01		26.0	63															
	370	26.8																
SWH-FS-02-01		28.2	61															
	323	28.9																
SWH-FS-02-01		29.9	61	842	19000	16.0	19000	16.0	62000	52.2	39000	32.8	77000	64.8	82000	69.0	298000	250.9
midpoint		31.0																
	300	31.3																
SWH-FS-02-02		32.1	61															
	318	32.6																
SWH-FS-02-02		33.9	70															
	325	34.3																
SWH-FS-02-02		35.9	79	849	18000	15.3	890	0.8	6100	5.2	63000	53.5	66000	56.0	60000	50.9	213990	181.6
midpoint		37.0																
SWH-FS-02-03		38.0	85															
	306	38.8																
	296	39.5																
SWH-FS-02-03		40.0	90															
	198	40.7																
SWH-FS-02-03		41.9	82	709	14000	9.9	13000	9.2	57000	40.4	33000	23.4	57000	40.4	49000	34.7	223000	158.0
midpoint		43.0																
SWH-FS-02-04		44.0	79															
	245	44.6																
SWH-FS-02-04		46.5	54															
	146	46.7																

000267

FEED SOIL (FS) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Acenaph-thene CONC (ug/kg)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-antheneanthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
SWH-FS-02-04		47.7	50	459	13000	6.0	14000	6.4	39000	17.9	22000	10.1	52000	23.9	56000	25.7	196000	90.0
SBR FEEDING BEGI		47.9																
	253	48.6																
HIGH SOIL TEST R		80.2																
		80.7																
SWH-FS-04-01		82.2	37															
	337	82.7																
SWH-FS-04-01		84.1	55															
	433	84.4																
SWH-FS-04-01		86.6	46	1329	15000	19.9	17000	22.6	61000	81.1	43000	57.2	62000	82.4	57000	75.8	255000	339.0
	429	87.0																
midpoint		87.5																
SWH-FS-04-02		88.4	50															
	442	88.7																
SWH-FS-04-02		89.8	48															
	442	90.3																
SWH-FS-04-02		92.2	43	1162	15000	17.4	15000	17.4	66000	76.7	35000	40.7	62000	72.1	58000	67.4	251000	291.7
	452	92.5																
midpoint		93.3																
	450	94.1																
SWH-FS-04-03		94.3	37															
SWH-FS-04-03		95.4	39															
	435	96.0																
	475	97.7																
SWH-FS-04-03		97.9	34	1161	30000	34.8	26000	30.2	110000	127.7	66000	76.6	85000	98.7	80000	92.9	397000	460.8
midpoint		98.9																

000268

FEED SOIL (FS) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Acenaph-thene CONC (ug/kg)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
	459	99.8																
SWH-FS-04-04		99.9	28															
	415	101.8																
SWH-FS-04-04		102.3	28															
	447	103.7																
SWH-FS-04-04		103.9	30	1243	31000	38.5	31000	38.5	120000	149.2	65000	80.8	83000	103.2	100000	124.3	430000	534.6
midpoint		105.1																
SWH-FS-05-01		106.3	45															
	468	106.6																
SWH-FS-05-01		108.2	63															
	462	108.5																
SWH-FS-05-01		109.8	59	1461	32000	46.7	36000	52.6	140000	204.5	65000	94.9	80000	116.8	120000	175.3	473000	690.9
	555	110.2																
	404	111.9																
midpoint		112.0																
	286	113.8																
SWH-FS-05-02		114.1	54															
SWH-FS-05-02		115.9	52															
	373	116.2																
SWH-FS-05-02		117.8	50	1030	20000	20.6	23000	23.7	79000	81.4	36000	37.1	64000	65.9	58000	59.7	280000	288.4
	345	117.9																
midpoint		118.8																
SWH-FS-05-03		119.8	48															
	299	120.0																
SWH-FS-05-03		121.7	46															
	347	122.5																

000269

FEED SOIL (FS) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Acenaph-thene CONC (ug/kg)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
SWH-FS-05-03		124.0	48	954	24000	22.9	24000	22.9	90000	85.8	36000	34.3	70000	66.7	78000	74.4	322000	307.0
	330	124.7																
midpoint		125.1																
	342	126.1																
SWH-FS-05-04		126.2	46															
SWH-FS-05-04		127.7	46															
SWH-FS-05-04		130.4	52	906	16000	14.5	39000	35.3	72000	65.2	29000	26.3	83000	75.2	53000	48.0	292000	264.5
	333	130.9																
midpoint		131.2																
	216	131.8																
SWH-FS-06-01		132.1	64															
SWH-FS-06-01		134.7	64															
	380	135.0																
SWH-FS-06-01		136.0	55	916	15000	13.7	16000	14.7	56000	51.3	23000	21.1	51000	46.7	46000	42.1	207000	189.5
midpoint		136.9																
SWH-FS-06-02		137.8	54															
	354	138.7																
SWH-FS-06-02		139.5	52															
	379	140.0																
SWH-FS-06-02		142.2	50	975	18000	17.6	2000	2.0	75000	73.1	81000	79.0	74000	72.2	70000	68.3	320000	312.0
midpoint		143.0																
	341	143.4																
SWH-FS-06-03		143.8	48															
	293	144.2																
	398	145.7																
SWH-FS-06-03		145.8	46															

000270

FEED SOIL (FS) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

SAMPLE ID	FEED RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	FS FLOW DURING COMPOSITE PERIOD (kg)	Acenaphthene CONC (ug/kg)	Acenaphthene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenanthrene CONC (ug/kg)	Phenanthrene FLOW (g)	Anthracene CONC (ug/kg)	Anthracene FLOW (g)	Fluoranthene CONC (ug/kg)	Fluoranthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
	410	147.6																
SWH-FS-06-03		147.7	43	853	19000	16.2	21000	17.9	72000	61.4	29000	24.7	65000	55.4	71000	60.5	277000	236.2
		147.9																
				17589	20212	355.5	18666	328.3	76200	1340.3	45281	796.5	69241	1217.9	70268	1236.0	299867	5274.5
					(WTD AVG)		(WTD AVG)		(WTD AVG)		(WTD AVG)		(WTD AVG)		(WTD AVG)		(WTD AVG)	
TWO SIGNIFICANT FIGURES:					20	360	19	330	76	1300	45	800	69	1200	70	1200	300	5300
					(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	

000271

FINE PARTICLE CAKE (FPC) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	Acenaph-thene CONC (ug/kg)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
				0.0															
	SWH-FPC-01-01		39	2.3															
	SWH-FPC-01-01		39	4.0															
	SWH-FPC-01-01		38	5.5	204	59000	12.0	58000	11.8	210000	42.8	120000	24.5	230000	46.9	150000	30.6	827000	168.6
FPC-15		69		6.4															
midpoint				6.5															
	SWH-FPC-01-02		38	7.5															
	SWH-FPC-01-02		70	10.8															
FPC-16		102		11.3															
	SWH-FPC-01-02		46	12.3	279	47000	13.1	49000	13.7	230000	64.2	120000	33.5	240000	67.0	120000	33.5	806000	225.1
irreg. perf. begins				12.7															
FPC-17		90		16.6															
irreg. perf. ends				18.7															
FPC-18		23		19.3															
	SWH-FPC-01-04		45	19.9															
	SWH-FPC-01-04		44	22.3															
	SWH-FPC-01-04		42	24.7	246	65000	16.0	70000	17.2	260000	63.9	150000	36.9	270000	66.4	220000	54.1	1035000	254.6
FPC-19		86		24.8															
midpoint				25.5															
	SWH-FPC-02-01		41	26.3															
	SWH-FPC-02-01		41	28.2															
	SWH-FPC-02-01		41	30.3	224	56000	12.5	59000	13.2	220000	49.3	120000	26.9	230000	51.5	190000	42.5	875000	195.9
FPC-20		84		30.4															
midpoint				31.4															
	SWH-FPC-02-02		41	32.4															
	SWH-FPC-02-02		70	34.2															

000272

FINE PARTICLE CAKE (FPC) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	Acenaph-thene CONC (ug/kg)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
	SWH-FPC-02-02		78	36.0	208	46000	9.6	48000	10.0	180000	37.5	98000	20.4	190000	39.6	150000	31.3	712000	148.4
FPC-21		79		36.8															
midpoint				37.3															
	SWH-FPC-02-03		85	38.5															
	SWH-FPC-02-03		90	40.3															
	SWH-FPC-02-03		82	42.0	175	52000	9.1	67000	11.7	240000	42.0	130000	22.8	270000	47.3	170000	29.8	929000	162.6
midpoint				43.1															
	SWH-FPC-02-04		43	44.1															
FPC-22		67		44.2															
	SWH-FPC-02-04		39	46.6															
	SWH-FPC-02-04		50	47.8	128	63000	8.1	65000	8.3	260000	33.3	150000	19.2	240000	30.8	220000	28.2	998000	127.9
				47.9															
FPC-23		56		49.0															
				79.9															
				80.2															
	SWH-FPC-04-01		34	82.3															
	SWH-FPC-04-01		39	84.2															
	SWH-FPC-04-01		36	86.7	264	64000	16.9	73000	19.3	230000	60.8	100000	26.4	210000	55.5	120000	31.7	797000	210.8
FPC-24		77		87.2															
midpoint				87.6															
	SWH-FPC-04-02		38	88.5															
	SWH-FPC-04-02		37	89.8															
FPC-25		116		91.9															
	SWH-FPC-04-02		35	92.4	315	60000	18.9	73000	23.0	230000	72.4	110000	34.6	200000	62.9	110000	34.6	783000	246.4
midpoint				93.4															
	SWH-FPC-04-03		34	94.4															

000273

FINE PARTICLE CAKE (FPC) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	Acenaph-thene CONC (ug/kg)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
	SWH-FPC-04-03		34	95.2															
FPC-26		129		95.6															
	SWH-FPC-04-03		33	98.1	279	61000	17.0	80000	22.3	290000	81.0	130000	36.3	200000	55.9	390000	108.9	1151000	321.5
midpoint				99.1															
	SWH-FPC-04-04		31	100.1															
FPC-27		94		100.9															
	SWH-FPC-04-04		31	102.3															
	SWH-FPC-04-04		31	104.0	275	72000	19.8	2400	0.7	290000	79.9	110000	30.3	220000	60.6	220000	60.6	914400	251.9
midpoint				105.2															
FPC-28		103		105.8															
	SWH-FPC-05-01		36	106.4															
	SWH-FPC-05-01		48	108.4															
	SWH-FPC-05-01		40	109.9	265	53000	14.0	61000	16.1	300000	79.4	96000	25.4	250000	66.2	190000	50.3	950000	251.5
FPC-29		83		112.0															
midpoint				112.1															
	SWH-FPC-05-02		39	114.2															
	SWH-FPC-05-02		38	116.0															
	SWH-FPC-05-02		38	117.7	196	31000	6.1	36000	7.0	130000	25.5	53000	10.4	120000	23.5	72000	14.1	442000	86.5
FPC-30		64		118.1															
midpoint				118.8															
	SWH-FPC-05-03		37	119.9															
	SWH-FPC-05-03		36	121.8															
	SWH-FPC-05-03		37	124.0	189	80000	15.1	2400	0.5	290000	54.7	89000	16.8	260000	49.0	220000	41.5	941400	177.5
midpoint				125.2															
FPC-31		65		126.1															
	SWH-FPC-05-04		36	126.4															

000274

FINE PARTICLE CAKE (FPC) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FPC FLOW DURING COMPOSITE PERIOD (kg)	Acenaph-thene CONC (ug/kg)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
	SWH-FPC-05-04		36	127.8															
	SWH-FPC-05-04		38	130.5	164	56000	9.2	63000	10.4	250000	41.1	100000	16.4	210000	34.5	180000	29.6	859000	141.3
midpoint				131.4															
	SWH-FPC-06-01		43	132.2															
	SWH-FPC-06-01		42	134.8															
FPC-32		57		135.5															
	SWH-FPC-06-01		42	136.1	158	28000	4.4	29000	4.6	120000	18.9	52000	8.2	110000	17.4	110000	17.4	449000	70.9
midpoint				137.0															
	SWH-FPC-06-02		39	137.9															
	SWH-FPC-06-02		38	139.6															
FPC-33		74		141.9															
	SWH-FPC-06-02		38	142.3	203	46000	9.3	56000	11.4	190000	38.5	93000	18.9	190000	38.5	160000	32.4	735000	149.1
midpoint				143.1															
	SWH-FPC-06-03		37	143.9															
	SWH-FPC-06-03		36	146.0															
	SWH-FPC-06-03		35	147.8	158	41000	6.5	56000	8.9	190000	30.1	89000	14.1	190000	30.1	160000	25.3	726000	114.9
				147.9															
FPC-34		72		148.2															
					3931	55394 (WTD AVG)	217.8	53445 (WTD AVG)	210.1	232867 (WTD AVG)	915.4	107350 (WTD AVG)	422.0	214599 (WTD AVG)	843.6	177168 (WTD AVG)	696.4	840823 (WTD AVG)	3305.2
TWO SIGNIFICANT FIGURES:						55 (mg/kg)	220	53 (mg/kg)	210	230 (mg/kg)	920	110 (mg/kg)	420	210 (mg/kg)	840	180 (mg/kg)	700	840 (mg/kg)	3300

000275

FINE OVERSIZE (FO) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	Acenaph-thene CONC (ug/kg)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
				-0.1															
				0															
	SWH-FO-01-01		55	2.1															
	SWH-FO-01-01		54	3.8															
	SWH-FO-01-01		52	5.4	44	9000	0.4	11000	0.5	43000	1.9	31000	1.4	30000	1.3	60000	2.6	184000	8.0
midpoint				6.4															
	SWH-FO-01-02		53	7.3															
	SWH-FO-01-02		74	11.2															
	SWH-FO-01-02		78	12.4	43	12000	0.5	14000	0.6	49000	2.1	44000	1.9	39000	1.7	37000	1.6	195000	8.5
irreg. perf. begins				12.7															
irreg. perf. ends				18.7															
FO-4		15		19.4															
	SWH-FO-01-04		75	20.0															
	SWH-FO-01-04		70	22.1															
	SWH-FO-01-04		64	24.4	43	9200	0.4	8200	0.4	35000	1.5	28000	1.2	37000	1.6	33000	1.4	150400	6.4
midpoint				25.2															
	SWH-FO-02-01		63	26.1															
	SWH-FO-02-01		61	27.9															
	SWH-FO-02-01		61	30.1	39	15000	0.6	19000	0.7	120000	4.7	36000	1.4	110000	4.3	58000	2.3	358000	13.9
midpoint				31.2															
	SWH-FO-02-02		61	32.2															
	SWH-FO-02-02		70	34.2															
	SWH-FO-02-02		79	36.3	41	62000	2.5	2100	0.1	210000	8.6	120000	4.9	190000	7.8	210000	8.6	794100	32.4
midpoint				37.4															
	SWH-FO-02-03		85	38.5															
	SWH-FO-02-03		90	40.6															

000276

FINE OVERSIZE (FO) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	Acenaphthene CONC (ug/kg)	Acenaphthene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenanthrene CONC (ug/kg)	Phenanthrene FLOW (g)	Anthracene CONC (ug/kg)	Anthracene FLOW (g)	Fluoranthene CONC (ug/kg)	Fluoranthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
	SWH-FO-02-03		82	41.7	36	10000	0.4	11000	0.4	40000	1.4	44000	1.6	35000	1.3	34000	1.2	174000	6.2
midpoint				42.9															
	SWH-FO-02-04		79	44.0															
	SWH-FO-02-04		54	46.7															
	SWH-FO-02-04		50	47.7	33	16000	0.5	880	0.0	65000	2.1	62000	2.0	60000	2.0	72000	2.4	275880	9.0
				47.9															
FO-5		14		49.0															
				77.6															
				80.2															
	SWH-FO-04-01		41	82.5															
	SWH-FO-04-01		59	84.3															
	SWH-FO-04-01		46	86.9	69	17000	1.2	22000	1.5	84000	5.8	41000	2.8	59000	4.1	110000	7.6	333000	23.1
midpoint				87.8															
	SWH-FO-04-02		50	88.7															
	SWH-FO-04-02		48	89.8															
	SWH-FO-04-02		43	92.4	51	21000	1.1	22000	1.1	83000	4.3	45000	2.3	76000	3.9	52000	2.7	299000	15.4
midpoint				93.4															
	SWH-FO-04-03		37	94.4															
	SWH-FO-04-03		39	95.2															
	SWH-FO-04-03		34	97.9	51	21000	1.1	20000	1.0	97000	5.0	50000	2.6	82000	4.2	100000	5.1	370000	18.9
midpoint				99.0															
	SWH-FO-04-04		28	100.0															
FO-7		20		100.4															
	SWH-FO-04-04		28	102.2															
	SWH-FO-04-04		30	103.8	97	26000	2.5	24000	2.3	98000	9.5	52000	5.0	96000	9.3	100000	9.7	396000	38.4
midpoint				105.1															

000277

FINE OVERSIZE (FO) -- HIGH SOIL TEST
Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	Acenaphthene CONC (ug/kg)	Acenaphthene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenanthrene CONC (ug/kg)	Phenanthrene FLOW (g)	Anthracene CONC (ug/kg)	Anthracene FLOW (g)	Fluoranthene CONC (ug/kg)	Fluoranthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
	SWH-FO-05-01		46	106.4															
	SWH-FO-05-01		63	108.3	110	33000	3.6	34000	3.7	99000	10.8	94000	10.3	92000	10.1	91000	10.0	443000	48.5
midpoint				111.3															
FO-8		39		112.7															
	SWH-FO-05-02		54	114.2															
	SWH-FO-05-02		52	115.9															
	SWH-FO-05-02		50	117.5	78	26000	2.0	30000	2.3	100000	7.8	53000	4.1	84000	6.6	65000	5.1	358000	27.9
midpoint				118.7															
	SWH-FO-05-03		48	119.8															
	SWH-FO-05-03		46	121.6															
	SWH-FO-05-03		48	123.9	56	29000	1.6	39000	2.2	100000	5.6	68000	3.8	84000	4.7	87000	4.9	407000	22.8
midpoint				125.0															
	SWH-FO-05-04		46	126.2															
	SWH-FO-05-04		46	127.7															
	SWH-FO-05-04		52	130.7	57	34000	1.9	40000	2.3	100000	5.7	85000	4.8	84000	4.8	92000	5.2	435000	24.8
FO-9		19		131.4															
				131.5															
	SWH-FO-06-01		66	132.4															
	SWH-FO-06-01		64	134.8															
	SWH-FO-06-01		55	136.3	54	33000	1.8	39000	2.1	100000	5.4	74000	4.0	84000	4.6	96000	5.2	426000	23.1
midpoint				137.1															
	SWH-FO-06-02		54	137.9															
	SWH-FO-06-02		52	139.6															
	SWH-FO-06-02		50	142.1	57	27000	1.5	35000	2.0	100000	5.7	84000	4.8	84000	4.8	90000	5.1	420000	23.9
midpoint				142.9															
	SWH-FO-06-03		48	143.8															

000278

FINE OVERSIZE (FO) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	FO FLOW DURING COMPOSITE PERIOD (kg)	Acenaphthene CONC (ug/kg)	Acenaphthene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenanthrene CONC (ug/kg)	Phenanthrene FLOW (g)	Anthracene CONC (ug/kg)	Anthracene FLOW (g)	Fluoranthene CONC (ug/kg)	Fluoranthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
	SWH-FO-06-03		46	145.9															
	SWH-FO-06-03		43	147.7	49	30000	1.5	35000	1.7	100000	4.9	79000	3.9	84000	4.1	99000	4.8	427000	20.9
				147.9															
FO-10		22		148.2															
aterial collected periods not of the					1007	24966 (WTD AVG)	25.2	24852 (WTD AVG)	25.0	92110 (WTD AVG)	92.8	62390 (WTD AVG)	62.9	80296 (WTD AVG)	80.9	84836 (WTD AVG)	85.5	369450 (WTD AVG)	372.2
	TWO SIGNIFICANT FIGURES:					25 (mg/kg)	25	25 (mg/kg)	25	92 (mg/kg)	93	62 (mg/kg)	63	80 (mg/kg)	81	85 (mg/kg)	85	370 (mg/kg)	370

000279

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	Acenaphthene CONC (ug/kg)	Acenaphthene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenanthrene CONC (ug/kg)	Phenanthrene FLOW (g)	Anthracene CONC (ug/kg)	Anthracene FLOW (g)	Fluoranthene CONC (ug/kg)	Fluoranthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
				0															
				0.1															
	SWH-CO-01-01		55	2.4															
	SWH-CO-01-01		54	3.9															
	SWH-CO-01-01		52	5.7	129	22000	2.8	24000	3.1	92000	11.9	58000	7.5	96000	12.4	130000	16.8	422000	54.6
midpoint				6.6															
	SWH-CO-01-02		53	7.5															
CO-8		43		10.2															
	SWH-CO-01-02		70	10.6															
	SWH-CO-01-02		78	12.1	107	23000	2.5	24000	2.6	87000	9.3	60000	6.4	110000	11.8	77000	8.2	381000	40.8
irreg. perf. begins				12.7															
irreg. perf. ends				18.7															
CO-9		33		19.5															
	SWH-CO-01-04		75	20.3															
	SWH-CO-01-04		70	22.3															
	SWH-CO-01-04		64	24.7	154	14000	2.2	6400	1.0	86000	13.2	49000	7.5	100000	15.4	84000	12.9	339400	52.2
midpoint				25.6															
	SWH-CO-02-01		63	26.5															
CO-10		51		27.8															
	SWH-CO-02-01		61	28.3															
	SWH-CO-02-01		61	30.0	121	13000	1.6	8100	1.0	73000	8.8	50000	6.0	86000	10.4	73000	8.8	303100	36.6
midpoint				31.0															
	SWH-CO-02-02		61	32.0															
	SWH-CO-02-02		70	34.0															
	SWH-CO-02-02		78	36.0	130	12000	1.6	10000	1.3	84000	11.0	51000	6.7	71000	9.3	60000	7.8	288000	37.6
midpoint				37.1															

000280

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	Acenaphthene CONC (ug/kg)	Acenaphthene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenanthrene CONC (ug/kg)	Phenanthrene FLOW (g)	Anthracene CONC (ug/kg)	Anthracene FLOW (g)	Fluoranthene CONC (ug/kg)	Fluoranthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
CO-11		47		37.1															
	SWH-CO-02-03		85	38.1															
	SWH-CO-02-03		90	40.2															
	SWH-CO-02-03		82	42.0	103	11000	1.1	12000	1.2	44000	4.5	52000	5.4	55000	5.7	47000	4.8	221000	22.8
midpoint				43.1															
	SWH-CO-02-04		20	44.2															
	SWH-CO-02-04		54	46.4															
	SWH-CO-02-04		50	47.8	81	25000	2.0	24000	2.0	86000	7.0	58000	4.7	110000	8.9	80000	6.5	383000	31.1
				47.9															
CO-12		38		49.0															
				76.0															
CO-14		95		77.8															
				80.2															
	SWH-CO-04-01		37	82.2															
CO-15		72		83.5															
	SWH-CO-04-01		55	84.2															
	SWH-CO-04-01		46	86.8	252	29000	7.3	790	0.2	53000	13.4	39000	9.8	86000	21.7	95000	24.0	302790	76.4
midpoint				87.7															
CO-16		77		88.5															
	SWH-CO-04-02		50	88.5															
	SWH-CO-04-02		48	89.9															
	SWH-CO-04-02		43	92.3	212	30000	6.3	30000	6.3	91000	19.3	88000	18.6	110000	23.3	79000	16.7	428000	90.6
midpoint				93.4															
CO-17		82		93.4															
	SWH-CO-04-03		37	94.5															
	SWH-CO-04-03		39	95.3															

000281

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	Acenaph-thene CONC (ug/kg)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
CO-18		86		98.1															
	SWH-CO-04-03		34	98.1	219	36000	7.9	1700	0.4	120000	26.2	62000	13.6	110000	24.1	96000	21.0	425700	93.1
midpoint				99.1															
	SWH-CO-04-04		28	100.0															
	SWH-CO-04-04		28	102.2															
	SWH-CO-04-04		30	103.8	218	39000	8.5	48000	10.5	200000	43.6	79000	17.2	110000	24.0	200000	43.6	676000	147.2
CO-19		79		104.0															
midpoint				105.0															
	SWH-CO-05-01		46	106.3															
	SWH-CO-05-01		63	108.2															
CO-20		86		108.8															
	SWH-CO-05-01		59	109.8	252	25000	6.3	14000	3.5	130000	32.8	90000	22.7	100000	25.2	85000	21.5	444000	112.1
midpoint				111.9															
	SWH-CO-05-02		54	114.1															
CO-21		74		114.5															
	SWH-CO-05-02		52	116.1															
	SWH-CO-05-02		50	117.7	222	28000	6.2	27000	6.0	120000	26.6	88000	19.5	91000	20.2	85000	18.9	439000	97.4
midpoint				118.8															
CO-22		69		119.3															
	SWH-CO-05-03		48	119.9															
	SWH-CO-05-03		46	121.6															
	SWH-CO-05-03		48	123.9	190	30000	5.7	37000	7.0	110000	20.9	86000	16.4	84000	16.0	85000	16.2	432000	82.2
midpoint				125.1															
	SWH-CO-05-04		46	126.2															
	SWH-CO-05-04		46	127.6															
CO-23		67		127.7															

000282

COARSE OVERSIZE (CO) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

DRUM ID	SAMPLE ID	RATE (lbs/hr)	TEMP (F)	HOURS FROM TIME ZERO	CO FLOW DURING COMPOSITE PERIOD (kg)	Acenaph-thene CONC (ug/kg)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/kg)	Fluorene FLOW (g)	Phenan-threne CONC (ug/kg)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/kg)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/kg)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/kg)	Pyrene FLOW (g)	Total CONC (ug/kg)	Total FLOW (g)
	SWH-CO-05-04		52	130.4	181	26000	4.7	790	0.1	95000	17.2	39000	7.1	76000	13.7	58000	10.5	294790	53.3
midpoint				131.3															
	SWH-CO-06-01		66	132.1															
CO-24		62		134.6															
	SWH-CO-06-01		66	134.7															
	SWH-CO-06-01		55	136.1	230	37000	8.5	36000	8.3	95000	21.9	96000	22.1	76000	17.5	88000	20.3	428000	98.6
midpoint				137.0															
	SWH-CO-06-02		54	138.0															
CO-25		123		138.0															
	SWH-CO-06-02		52	139.6															
	SWH-CO-06-02		59	142.0	184	36000	6.6	39000	7.2	95000	17.5	87000	16.0	76000	14.0	120000	22.1	453000	83.6
midpoint				142.9															
	SWH-CO-06-03		48	143.9															
	SWH-CO-06-03		46	145.9															
CO-26		58		147.0															
	SWH-CO-06-03		43	147.9	146	34000	5.0	38000	5.5	95000	13.9	86000	12.6	76000	11.1	120000	17.5	449000	65.5
				147.9															
CO-27		91		148.3															
					3132	27729 (WTD AVG)	86.9	21468 (WTD AVG)	67.2	101839 (WTD AVG)	319.0	70180 (WTD AVG)	219.8	90859 (WTD AVG)	284.6	95173 (WTD AVG)	298.1	407248 (WTD AVG)	1275.5
	TWO SIGNIFICANT FIGURES:					28 (mg/kg)	87	21 (mg/kg)	67	100 (mg/kg)	320	70 (mg/kg)	220	91 (mg/kg)	280	95 (mg/kg)	300	410 (mg/kg)	1300

000283

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

TANK NO	SAMPLE ID	CDE RATE (gpm)	CDE RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	Acenaphthene CONC (ug/l)	Acenaphthene FLOW (g)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenanthrene CONC (ug/l)	Phenanthrene FLOW (g)	Anthracene CONC (ug/l)	Anthracene FLOW (g)	Fluoranthene CONC (ug/l)	Fluoranthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
				0																
#1				1.5																
	SWH-CDE-01-01			2.3	55															
#1		4.25	2127	3.7																
	SWH-CDE-01-01			3.9	54															
#1		4.84	2421	5.4																
	SWH-CDE-01-01			5.5	52	6689	280	1.9	250	1.7	1100	7.4	560	3.7	1100	7.4	730	4.9	4020	26.9
midpoint				6.5																
#1		5.20	2601	7.2																
	SWH-CDE-01-02			7.5	53															
#1		4.68	2344	9.8																
#1		2.19	1095	10.2																
	SWH-CDE-01-02			10.9	70															
#1		3.25	1626	11.0																
#2				11.0																
	SWH-CDE-01-02			12.2	77	5949	100	0.6	93	0.6	440	2.6	240	1.4	370	2.2	280	1.7	1523	9.1
#2		3.94	1972	12.6																
system irreg. begins				12.7																
#2		4.07	2038	15.3																
#2		3.92	1961	16.8																
system irreg. ends				18.7																
#2		4.22	2114	19.1																
	SWH-CDE-01-04			20.2	75															
#2		3.28	1639	20.9																
	SWH-CDE-01-04			22.0	70															
	SWH-CDE-01-04			24.2	64	5718	39	0.2	7	0.0	7	0.0	32	0.2	240	1.4	250	1.4	575	3.3
midpoint				25.3																

000284

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

TANK NO	SAMPLE ID	CDE RATE (gpm)	CDE RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	Acenaphthene CONC (ug/l)	Acenaphthene FLOW (g)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenanthrene CONC (ug/l)	Phenanthrene FLOW (g)	Anthracene CONC (ug/l)	Anthracene FLOW (g)	Fluoranthene CONC (ug/l)	Fluoranthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
#2		4.04	2021	25.5																
	SWH-CDE-02-01			26.4	63															
#2		3.66	1833	26.8																
	SWH-CDE-02-01			28.2	61															
#2		4.31	2158	28.9																
	SWH-CDE-02-01			30.1	61	5390	11	0.1	96	0.5	370	2.0	220	1.2	340	1.8	270	1.5	1307	7.0
midpoint				31.1																
#2		4.06	2032	31.4																
	SWH-CDE-02-02			32.2	61															
#2		4.18	2093	32.6																
	SWH-CDE-02-02			33.9	70															
#2		3.67	1835	34.3																
	SWH-CDE-02-02			34.9	78	4883	84	0.4	67	0.3	280	1.4	140	0.7	250	1.2	210	1.0	1031	5.0
midpoint				36.6																
#2		4.07	2036	37.5																
#1				37.5																
	SWH-CDE-02-03			38.2	85															
#1		3.24	1621	39.5																
	SWH-CDE-02-03			39.9	90															
#1		3.81	1904	41.6																
	SWH-CDE-02-03			41.9	82	5472	68	0.4	58	0.3	210	1.1	120	0.7	200	1.1	180	1.0	836	4.6
midpoint				43.1																
#1		3.86	1931	43.7																
	SWH-CDE-02-04			44.3	68															
#1		3.72	1860	46.2																
	SWH-CDE-02-04			46.6	54															
	SWH-CDE-02-04			47.7	50	4048	91	0.4	92	0.4	310	1.3	190	0.8	270	1.1	300	1.2	1253	5.1

000285

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

TANK NO	SAMPLE ID	CDE RATE (gpm)	CDE RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	Acenaphthene CONC (ug/l)	Acenaphthene FLOW (g)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenanthrene CONC (ug/l)	Phenanthrene FLOW (g)	Anthracene CONC (ug/l)	Anthracene FLOW (g)	Fluoranthene CONC (ug/l)	Fluoranthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
				47.9																
#1		3.74	1870	48.6																
#2				79.7																
				80.2																
	SWH-CDE-04-01			82.3	37															
#2		3.49	1748	82.6																
	SWH-CDE-04-01			84.1	55															
#2		3.37	1686	84.5																
	SWH-CDE-04-01			86.7	46	5883	77	0.5	12	0.1	210	1.2	110	0.6	240	1.4	230	1.4	879	5.2
#2		3.69	1845	87.0																
midpoint				87.6																
	SWH-CDE-04-02			88.4	50															
	SWH-CDE-04-02			89.9	48															
#2		3.36	1682	91.6																
	SWH-CDE-04-02			92.3	43	4394	74	0.3	15	0.1	150	0.7	90	0.4	210	0.9	190	0.8	729	3.2
midpoint				93.4																
#2		3.23	1616	93.7																
	SWH-CDE-04-03			94.5	37															
#2		3.26	1633	95.1																
	SWH-CDE-04-03			95.3	39															
#2		3.22	1609	95.9																
#2		3.15	1577	97.7																
	SWH-CDE-04-03			98.1	34	4249	71	0.3	19	0.1	91	0.4	69	0.3	180	0.8	160	0.7	590	2.5
midpoint				99.1																
#2		3.44	1722	99.8																
	SWH-CDE-04-04			100.2	28															
#2		3.35	1678	101.7																

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

TANK NO	SAMPLE ID	CDE RATE (gpm)	CDE RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	Acenaph-thene CONC (ug/l)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenan-threne CONC (ug/l)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/l)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/l)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
	SWH-CDE-04-04			102.2	28															
#2		3.47	1738	103.7																
	SWH-CDE-04-04			104.0	30	4696	350	1.6	390	1.8	1400	6.6	510	2.4	1100	5.2	960	4.5	4710	22.1
midpoint				105.1																
#1				105.8																
	SWH-CDE-05-01			106.3	46															
#1		2.48	1241	106.7																
	SWH-CDE-05-01			108.4	61															
#1		2.75	1374	108.6																
	SWH-CDE-05-01			109.9	59	3937	74	0.3	35	0.1	130	0.5	86	0.3	200	0.8	180	0.7	705	2.8
#1		2.88	1443	110.3																
midpoint				112.0																
#1		1.93	964	113.8																
	SWH-CDE-05-02			114.2	54															
#1		2.64	1323	115.8																
	SWH-CDE-05-02			116.0	52															
#1		3.08	1541	117.6																
	SWH-CDE-05-02			117.6	50	4040	200	0.8	7	0.0	310	1.3	270	1.1	760	3.1	740	3.0	2287	9.2
midpoint				118.7	-															
	SWH-CDE-05-03			119.8	48															
#1		3.20	1602	120.0																
	SWH-CDE-05-03			121.6	46															
#1		3.06	1532	122.0																
#1		2.69	1346	123.7																
	SWH-CDE-05-03			124.0	48	4289	260	1.1	11	0.0	770	3.3	450	1.9	970	4.2	800	3.4	3261	14.0
midpoint				125.2																
#1		2.76	1383	125.8																

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COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

TANK NO	SAMPLE ID	CDE RATE (gpm)	CDE RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	Acenaphthene CONC (ug/l)	Acenaphthene FLOW (g)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenanthrene CONC (ug/l)	Phenanthrene FLOW (g)	Anthracene CONC (ug/l)	Anthracene FLOW (g)	Fluoranthene CONC (ug/l)	Fluoranthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
	SWH-CDE-05-04			126.4	46															
#1		2.15	1078	127.9																
	SWH-CDE-05-04			128.0	46															
	SWH-CDE-05-04			130.4	52	3123	15	0.0	3	0.0	3	0.0	38	0.1	90	0.3	76	0.2	225	0.7
#1		2.12	1059	131.0																
midpoint				131.3																
	SWH-CDE-06-01			132.2	66															
	SWH-CDE-06-01			134.6	64															
#1		3.32	1661	135.0																
#1		2.02	1009	135.5																
#2				135.5																
	SWH-CDE-06-01			136.1	55	3743	76	0.3	11	0.0	13	0.0	120	0.4	280	1.0	260	1.0	760	2.8
midpoint				137.1																
#2		1.99	994	137.7																
	SWH-CDE-06-02			138.0	54															
	SWH-CDE-06-02			139.6	50															
#2		2.48	1243	139.8																
#2		2.29	1146	141.6																
	SWH-CDE-06-02			142.3	50	3145	11	0.0	7	0.0	7	0.0	12	0.0	170	0.5	130	0.4	337	1.1
midpoint				143.1																
#2		2.18	1093	143.7																
	SWH-CDE-06-03			143.8	48															
#2		2.42	1213	145.7																
	SWH-CDE-06-03			146.0	46															
#2		2.43	1217	147.7																
	SWH-CDE-06-03			147.9	43	2647	71	0.2	7	0.0	7	0.0	61	0.2	320	0.8	220	0.6	686	1.8
				147.9																

000288

COMBINED DEWATERING EFFLUENT (CDE) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

TANK NO	SAMPLE ID	CDE RATE (gpm)	CDE RATE (lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	DURING COMPOSITE PERIOD (liters)	Acenaph-thene CONC (ug/l)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenan-threne CONC (ug/l)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/l)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/l)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
#2		2.13	1065	149.6																
						82295	114 (WTD AVG)	9.4	75 (WTD AVG)	6.2	362 (WTD AVG)	29.8	201 (WTD AVG)	16.5	427 (WTD AVG)	35.2	357 (WTD AVG)	29.4	1536 (WTD AVG)	126.4
			TWO SIGNIFICANT FIGURES:				0.11 (mg/l)	9.4	0.075 (mg/l)	6.2	0.36 (mg/l)	30	0.2 (mg/l)	17	0.43 (mg/l)	35	0.36 (mg/l)	29	1.5 (mg/l)	130

000289

ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST
Non-Carcinogenic PAH Inventory

TANK NO.	SAMPLE ID	(gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (liters)	Acenaphthene CONC (ug/l)	Acenaphthene FLOW (g)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenanthrene CONC (ug/l)	Phenanthrene FLOW (g)	Anthracene CONC (ug/l)	Anthracene FLOW (g)	Fluoranthene CONC (ug/l)	Fluoranthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
				0																
#4				1.5																
	SWH-ATW-01-01			2.3	55															
#4		3.80	1903	3.7																
#4		3.79	1898	5.4																
	SWH-ATW-01-01			5.7	52															
#4		2.69	1344	6.0																
#3				6.0																
#3		3.67	1834	7.2																
#3		3.66	1832	9.8																
#3		1.38	691	10.2																
	SWH-ATW-01-01			10.6	68	10211	0	0.0	0	0.0	0	0.0	0	0.0	1.6	0.0	1.6	0.0	3.2	0.03
#3		3.30	1652	11.0																
#3		3.33	1668	12.6																
system irreg. begin				12.7																
#3		3.35	1677	15.3																
#3		3.13	1566	16.8																
system irreg. end				18.7																
#3		3.29	1644	19.1																
	SWH-ATW-01-02			20.3	75															
#3		3.77	1888	20.9																
	SWH-ATW-01-02			22.4	70															
	SWH-ATW-01-02			24.3	64	5582	0	0.0	0	0.0	0	0.0	0	0.0	1.6	0.0	1.6	0.0	3.2	0.02
#3		3.52	1761	25.5																
midpoint				25.6																
#3		3.65	1827	26.8																
	SWH-ATW-02-01			28.4	61															
#3		3.78	1891	28.9																
#4				31.4																
	SWH-ATW-02-01			32.1	61															

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ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

TANK NO.	SAMPLE ID	(gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (liters)	Acenaph-thene CONC (ug/l)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenan-threne CONC (ug/l)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/l)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/l)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
#4		3.61	1809	32.6																
#4		3.38	1692	34.3																
	SWH-ATW-02-01			36.0	79	10124	0	0.0	0	0.0	0	0.0	0	0.0	1.6	0.0	1.6	0.0	3.2	0.03
#4		3.52	1761	37.5																
midpoint				38.0																
#4		3.39	1696	39.5																
	SWH-ATW-02-02			40.1	90															
#4		3.20	1602	41.6																
#4		3.30	1650	43.7																
	SWH-ATW-02-02			44.3	68															
#4		3.25	1625	46.2																
				47.9																
	SWH-ATW-02-02			47.9	50	7228	0	0.0	0	0.0	0	0.0	0	0.0	110	0.8	110.0	0.8	220.0	1.59
#4		3.04	1519	48.6																
#4				79.8																
				80.2																
#4		2.99	1496	82.6																
	SWH-ATW-04-01			84.1	55															
#4		3.27	1635	84.5																
#4		3.36	1680	87.0																
	SWH-ATW-04-01			88.4	50															
#4		2.84	1421	88.8																
#4		3.30	1653	91.6																
	SWH-ATW-04-01			92.4	43	9928	0	0.0	0	0.0	0	0.0	0	0.0	1.6	0.0	1.6	0.0	3.2	0.03
#3				93.7																
midpoint				93.9																
#3		2.99	1496	95.1																
	SWH-ATW-04-02			95.4	39															
#3		2.85	1427	95.9																
#3		2.85	1425	97.7																

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ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST

Non-Carcinogenic PAH Inventory

TANK NO.	SAMPLE ID	(gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (liters)	Acenaphthene CONC (ug/l)	Acenaphthene FLOW (g)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenanthrene CONC (ug/l)	Phenanthrene FLOW (g)	Anthracene CONC (ug/l)	Anthracene FLOW (g)	Fluoranthene CONC (ug/l)	Fluoranthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
#3		2.98	1491	99.8																
	SWH-ATW-04-02			100.0	28															
#3		3.10	1552	101.7																
#3		3.01	1505	103.7																
	SWH-ATW-04-02			103.8	30	8234	0	0.0	0	0.0	0	0.0	0	0.0	1.6	0.0	1.6	0.0	3.2	0.03
#3		3.20	1603	105.8																
midpoint				106.0																
#3		2.49	1248	106.7																
	SWH-ATW-05-01			108.2	63															
#3		2.73	1364	108.6																
#3		2.82	1413	110.3																
#3		2.14	1073	113.8																
	SWH-ATW-05-01			114.2	54															
#3		2.57	1287	115.8																
#4				117.6																
	SWH-ATW-05-01			117.7	50	7838	0	0.0	0	0.0	0	0.0	0	0.0	1.6	0.0	1.6	0.0	3.2	0.02
midpoint				119.7																
#4		2.59	1295	120.0																
	SWH-ATW-05-02			121.7	46															
#4		2.60	1301	122.0																
#4		2.51	1255	123.8																
#4		2.18	1088	125.8																
	SWH-ATW-05-02			126.3	46															
#4		2.28	1142	127.9																
	SWH-ATW-05-02			130.3	52	6534	0	0.0	0	0.0	0	0.0	0	0.0	2.1	0.0	2.1	0.0	4.2	0.03
#4		1.72	863	131.0																
midpoint				132.5																
	SWH-ATW-06-01			134.8	64															
#4		2.49	1245	135.0																
#4		4.30	2154	135.5																

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ATS TREATED RECYCLE WATER (ATW) -- HIGH SOIL TEST
Non-Carcinogenic PAH Inventory

TANK NO.	SAMPLE ID	(gpm)	(lbs/hr)	HOURS FROM TIME ZERO	TEMP (F)	ATW FLOW DURING COMPOSITE PERIOD (liters)	Acenaph-thene CONC (ug/l)	Acenaph-thene FLOW (g)	Fluorene CONC (ug/l)	Fluorene FLOW (g)	Phenan-threne CONC (ug/l)	Phenan-threne FLOW (g)	Anth-racene CONC (ug/l)	Anth-racene FLOW (g)	Fluor-anthene CONC (ug/l)	Fluor-anthene FLOW (g)	Pyrene CONC (ug/l)	Pyrene FLOW (g)	Total CONC (ug/l)	Total FLOW (g)
#3				136.8																
#3		1.74	872	137.7																
	SWH-ATW-06-01			137.9	54															
#3		2.37	1186	139.8																
#3		2.18	1092	141.6																
	SWH-ATW-06-01			142.0	50	5769	0	0.0	0	0.0	0	0.0	0	0.0	2.5	0.0	2.5	0.01	5.0	0.03
#3		1.78	889	143.7																
midpoint				143.9																
#3		2.38	1190	145.7																
	SWH-ATW-06-02			145.9	46															
#3		2.26	1132	147.7																
	SWH-ATW-06-02			147.8	43	2107	0	0.0	0	0.0	0	0.0	0	0.0	1.6	0.0	1.6	0.00	3.2	0.01
				147.9																
#3		1.38	691	149.6																
						73554	0 (WTD AVG)	0.0	0 (WTD AVG)	0.0	0 (WTD AVG)	0.0	0 (WTD AVG)	0.0	12.4 (WTD AVG)	0.9	12.4 (WTD AVG)	0.9	24.7 (WTD AVG)	1.8
				TWO SIGNIFICANT FIGURES:			0 (mg/l)	0	0 (mg/l)	0	0 (mg/l)	0	0 (mg/l)	0	0.012 (mg/l)	0.9	0.012 (mg/l)	0.9	0.025 (mg/l)	1.8

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FINAL PENTA & PAH DATA

PENTA CONCENTRATIONS
LOW SOIL TEST
FINAL DATA

SAIC #	SOIL/ AQUEOUS	Units	Penta-chloro-phenol	Q		
SPL-01-00	SOIL	ug/kg	150000			
SPL-02-00	SOIL	ug/kg	110000			h
SPL-03-00	SOIL	ug/kg	190000			h
SPL-04-00	SOIL	ug/kg	94000			
SPL-05-00	SOIL	ug/kg	120000			
SPL-06-00	SOIL	ug/kg	130000			
SPL-07-00	SOIL	ug/kg	120000			
SPL-08-00	SOIL	ug/kg	150000			
SPL-C-00	SOIL	ug/kg	450000			
SWL-CDE-01-01	AQUEOUS	ug/L	18000			
SWL-CDE-01-02	AQUEOUS	ug/L	10000			
SWL-CDE-01-03	AQUEOUS	ug/L	12000			
SWL-CDE-01-04	AQUEOUS	ug/L	12000			
SWL-CDE-02-01	AQUEOUS	ug/L	21000			
SWL-CDE-02-02	AQUEOUS	ug/L	14000			
SWL-CDE-02-03	AQUEOUS	ug/L	15000			
SWL-CDE-02-04	AQUEOUS	ug/L	11000	M		
SWL-CO-01-01	SOIL	ug/kg	180000			e
SWL-CO-01-02	SOIL	ug/kg	120000		a	
SWL-CO-01-03	SOIL	ug/kg	150000	M		e
SWL-CO-01-04	SOIL	ug/kg	150000			
SWL-CO-02-01	SOIL	ug/kg	96000			e
SWL-CO-02-02	SOIL	ug/kg	140000		a	e
SWL-CO-02-03	SOIL	ug/kg	250000		a	
SWL-CO-02-04	SOIL	ug/kg	230000		a	e

000295

PENTA CONCENTRATIONS
LOW SOIL TEST
FINAL DATA

SAIC #	SOIL/ AQUEOUS	Units	Penta-chloro-phenol	Q		
SWL-EQB-01-01	AQUEOUS	ug/L	17	L		
SWL-FO-01-01	SOIL	ug/kg	50000			e
SWL-FO-01-02	SOIL	ug/kg	88000			e
SWL-FO-01-03	SOIL	ug/kg	150000	M	c	
SWL-FO-01-04	SOIL	ug/kg	160000			e
SWL-FO-02-01	SOIL	ug/kg	69000		a	f
SWL-FO-02-02	SOIL	ug/kg	95000		c	
SWL-FO-02-03	SOIL	ug/kg	71000		a	
SWL-FO-02-04	SOIL	ug/kg	88000		a	
SWL-FPC-01-01	SOIL	ug/kg	160000		c	
SWL-FPC-01-02	SOIL	ug/kg	320000			
SWL-FPC-01-03	SOIL	ug/kg	400000			h
SWL-FPC-01-04	SOIL	ug/kg	210000			e
SWL-FPC-02-01	SOIL	ug/kg	240000	MX	a	h
SWL-FPC-02-02	SOIL	ug/kg	200000		a	e
SWL-FPC-02-03	SOIL	ug/kg	360000		a	e
SWL-FPC-02-04	SOIL	ug/kg	280000		c	
SWL-FS-01-01	SOIL	ug/kg	130000			
SWL-FS-01-02	SOIL	ug/kg	110000			
SWL-FS-01-03	SOIL	ug/kg	120000	M		
SWL-FS-01-04	SOIL	ug/kg	140000			e
SWL-FS-02-01	SOIL	ug/kg	85000			e
SWL-FS-02-02	SOIL	ug/kg	150000		c	

000296

PENTA CONCENTRATIONS
LOW SOIL TEST
FINAL DATA

SAIC #	SOIL/ AQUEOUS	Units	Penta-chloro-phenol	Q	
SWL-FS-02-03	SOIL	ug/kg	130000		g
SWL-FS-02-04	SOIL	ug/kg	150000	a	e
SWL-MW-01-01	AQUEOUS	ug/L	0	R	
SWL-MW-01-02	AQUEOUS	ug/L	0	R	
SWL-MW-02-01	AQUEOUS	ug/L	0	R	
SWL-MW-02-02	AQUEOUS	ug/L	0	MR	
SWL-WS-01-01	SOIL	ug/kg	10000	I	
SWL-WS-01-02	SOIL	ug/kg	10000		c
SWL-WS-01-03	SOIL	ug/kg	9700	M	
SWL-WS-01-04	SOIL	ug/kg	22000	J	e
SWL-WS-02-01	SOIL	ug/kg	11000		a
SWL-WS-02-02	SOIL	ug/kg	12000		c
SWL-WS-02-03	SOIL	ug/kg	19000		c
SWL-WS-02-04	SOIL	ug/kg	19000	I	

000297

PENTA CONCENTRATIONS
HIGH SOIL TEST
FINAL DATA

SAIC #	SOIL/ AQUEOUS	Units	Penta-chloro-phenol	Q	
SPH-01-00	SOIL	ug/kg	130000		
SPH-02-00	SOIL	ug/kg	380000		
SPH-03-00	SOIL	ug/kg	660000		
SPH-04-00	SOIL	ug/kg	650000		h
SPH-05-00	SOIL	ug/kg	170000		
SPH-06-00	SOIL	ug/kg	570000		
SPH-07-00	SOIL	ug/kg	560000		
SPH-08-00	SOIL	ug/kg	830000		
SPH-09-00	SOIL	ug/kg	500000		h
SPH-10-00	SOIL	ug/kg	660000		
SPH-11-00	SOIL	ug/kg	590000		
SPH-12-00	SOIL	ug/kg	440000		
SPH-C-00	SOIL	ug/kg	600000		
SWH-ATW-01-01	AQUEOUS	ug/L	2400		
SWH-ATW-01-02	AQUEOUS	ug/L	3900		
SWH-ATW-02-01	AQUEOUS	ug/L	2700		b g
SWH-ATW-02-02	AQUEOUS	ug/L	4200		b
SWH-ATW-04-01	AQUEOUS	ug/L	2300		
SWH-ATW-04-02	AQUEOUS	ug/L	2400	M	h
SWH-ATW-05-01	AQUEOUS	ug/L	2800		b
SWH-ATW-05-02	AQUEOUS	ug/L	2400	I	
SWH-ATW-06-01	AQUEOUS	ug/L	2300		b e
SWH-ATW-06-02	AQUEOUS	ug/L	2200		b e
SWH-CDE-01-01	AQUEOUS	ug/L	99000		
SWH-CDE-01-02	AQUEOUS	ug/L	170000		
SWH-CDE-01-04	AQUEOUS	ug/L	130000	I	
SWH-CDE-02-01	AQUEOUS	ug/L	110000		
SWH-CDE-02-02	AQUEOUS	ug/L	120000		
SWH-CDE-02-03	AQUEOUS	ug/L	88000	I	

000298

PENTA CONCENTRATIONS
HIGH SOIL TEST
FINAL DATA

SAIC #	SOIL/ AQUEOUS	Units	Penta-chloro-phenol	Q		
SWH-CDE-02-04	AQUEOUS	ug/L	61000			
SWH-CDE-04-01	AQUEOUS	ug/L	48000			g
SWH-CDE-04-02	AQUEOUS	ug/L	46000	I		
SWH-CDE-04-03	AQUEOUS	ug/L	44000	M		g
SWH-CDE-04-04	AQUEOUS	ug/L	45000			f
SWH-CDE-05-01	AQUEOUS	ug/L	51000	M		g
SWH-CDE-05-02	AQUEOUS	ug/L	77000		b	f
SWH-CDE-05-03	AQUEOUS	ug/L	63000		b	
SWH-CDE-05-04	AQUEOUS	ug/L	44000		b	
SWH-CDE-06-01	AQUEOUS	ug/L	63000		b	
SWH-CDE-06-02	AQUEOUS	ug/L	51000		b	e
SWH-CDE-06-03	AQUEOUS	ug/L	36000		b	f
SWH-CO-01-01	SOIL	ug/kg	1500000			g
SWH-CO-01-02	SOIL	ug/kg	1200000			h
SWH-CO-01-04	SOIL	ug/kg	1100000			
SWH-CO-02-01	SOIL	ug/kg	970000	I		
SWH-CO-02-02	SOIL	ug/kg	830000	I		
SWH-CO-02-03	SOIL	ug/kg	680000		a	e
SWH-CO-02-04	SOIL	ug/kg	1400000			h
SWH-CO-04-01	SOIL	ug/kg	1400000		a	f
SWH-CO-04-02	SOIL	ug/kg	1600000		b	e
SWH-CO-04-03	SOIL	ug/kg	1300000			g
SWH-CO-04-04	SOIL	ug/kg	150000			h
SWH-CO-05-01	SOIL	ug/kg	1100000	M	a	h
SWH-CO-05-02	SOIL	ug/kg	1300000	I		
SWH-CO-05-03	SOIL	ug/kg	1400000			f
SWH-CO-05-04	SOIL	ug/kg	1000000			g
SWH-CO-06-01	SOIL	ug/kg	3400000			g
SWH-CO-06-02	SOIL	ug/kg	2100000			g
SWH-CO-06-03	SOIL	ug/kg	1800000			g

PENTA CONCENTRATIONS
HIGH SOIL TEST
FINAL DATA

SAIC #	SOIL/ AQUEOUS	Units	Penta-chloro-phenol	Q	
SWH-DPS	SOIL	ug/L	210		a
SWH-EQB-02-01	AQUEOUS	ug/L	17	L	b
SWH-EQB-05-01	AQUEOUS	ug/L	18	ML	g
SWH-FO-01-01	SOIL	ug/kg	460000		a f
SWH-FO-01-02	SOIL	ug/kg	430000		a f
SWH-FO-01-04	SOIL	ug/kg	520000		a f
SWH-FO-02-01	SOIL	ug/kg	660000		b e
SWH-FO-02-02	SOIL	ug/kg	1100000		a f
SWH-FO-02-03	SOIL	ug/kg	290000		a
SWH-FO-02-04	SOIL	ug/kg	520000		a
SWH-FO-04-01	SOIL	ug/kg	650000		a f
SWH-FO-04-02	SOIL	ug/kg	660000		b f
SWH-FO-04-03	SOIL	ug/kg	1100000		b f
SWH-FO-04-04	SOIL	ug/kg	570000		b e
SWH-FO-05-01	SOIL	ug/kg	1400000	M	a h
SWH-FO-05-02	SOIL	ug/kg	910000		a f
SWH-FO-05-03	SOIL	ug/kg	910000		f
SWH-FO-05-04	SOIL	ug/kg	1300000		g
SWH-FO-06-01	SOIL	ug/kg	1300000		g
SWH-FO-06-02	SOIL	ug/kg	1300000		e
SWH-FO-06-02	SOIL	ug/kg	1300000	I	
SWH-FPC-01-01	SOIL	ug/kg	1200000		f
SWH-FPC-01-02	SOIL	ug/kg	1400000		h
SWH-FPC-01-04	SOIL	ug/kg	1400000		f
SWH-FPC-02-01	SOIL	ug/kg	1200000	I	
SWH-FPC-02-02	SOIL	ug/kg	910000.		
SWH-FPC-02-03	SOIL	ug/kg	1400000		f

000300

PENTA CONCENTRATIONS
HIGH SOIL TEST
FINAL DATA

SAIC #	SOIL/ AQUEOUS	Units	Penta-chloro-phenol	Q	
SWH-FPC-02-04	SOIL	ug/kg	1000000		
SWH-FPC-04-01	SOIL	ug/kg	520000		a
SWH-FPC-04-02	SOIL	ug/kg	1900000		b f
SWH-FPC-04-03	SOIL	ug/kg	1500000		h
SWH-FPC-04-04	SOIL	ug/kg	1600000		g
SWH-FPC-05-01	SOIL	ug/kg	1600000	M	b f
SWH-FPC-05-02	SOIL	ug/kg	680000		a g
SWH-FPC-05-03	SOIL	ug/kg	1800000		g
SWH-FPC-05-04	SOIL	ug/kg	1600000		g
SWH-FPC-06-01	SOIL	ug/kg	630000		g
SWH-FPC-06-02	SOIL	ug/kg	1100000		b f
SWH-FPC-06-03	SOIL	ug/kg	1500000		g
SWH-FS-01-01	SOIL	ug/kg	730000		f
SWH-FS-01-02	SOIL	ug/kg	740000		g
SWH-FS-01-04	SOIL	ug/kg	350000		c
SWH-FS-02-01	SOIL	ug/kg	830000		h
SWH-FS-02-02	SOIL	ug/kg	120000		h
SWH-FS-02-03	SOIL	ug/kg	500000		a
SWH-FS-02-04	SOIL	ug/kg	490000		c e
SWH-FS-04-01	SOIL	ug/kg	480000		g
SWH-FS-04-02	SOIL	ug/kg	830000		b e
SWH-FS-04-03	SOIL	ug/kg	1100000		b f
SWH-FS-04-04	SOIL	ug/kg	910000	I	
SWH-FS-05-01	SOIL	ug/kg	730000	M	b f
SWH-FS-05-02	SOIL	ug/kg	680000		a g
SWH-FS-05-03	SOIL	ug/kg	770000		g
SWH-FS-05-04	SOIL	ug/kg	910000		e
SWH-FS-06-01	SOIL	ug/kg	420000		g
SWH-FS-06-02	SOIL	ug/kg	610000		g
SWH-FS-06-03	SOIL	ug/kg	640000		g

PENTA CONCENTRATIONS
HIGH SOIL TEST
FINAL DATA

SAIC #	SOIL/ AQUEOUS	Units	Penta-chloro-phenol	Q		
SWH-MW-01-01	AQUEOUS	ug/L	0	R		
SWH-MW-01-02	AQUEOUS	ug/L	0	R		
SWH-MW-02-01	AQUEOUS	ug/L	0	R		
SWH-MW-02-02	AQUEOUS	ug/L	0	R		
SWH-MW-04-01	AQUEOUS	ug/L	0	R		
SWH-MW-04-02	AQUEOUS	ug/L	0	R		f
SWH-MW-05-02	AQUEOUS	ug/L	0	R		g
SWH-MW-06-01	AQUEOUS	ug/L	0	R		g
SWH-MW-06-02	AQUEOUS	ug/L	0	R		
SWH-WS-01-01	SOIL	ug/kg	44000	X	a	f
SWH-WS-01-02	SOIL	ug/kg	70000		a	g
SWH-WS-01-04	SOIL	ug/kg	49000		a	
SWH-WS-02-01	SOIL	ug/kg	51000		a	
SWH-WS-02-02	SOIL	ug/kg	59000		a	h
SWH-WS-02-03	SOIL	ug/kg	73000		a	f
SWH-WS-02-04	SOIL	ug/kg	47000		a	g
SWH-WS-04-01	SOIL	ug/kg	97000		a	f
SWH-WS-04-02	SOIL	ug/kg	70000		b	e
SWH-WS-04-03	SOIL	ug/kg	81000	I		
SWH-WS-04-04	SOIL	ug/kg	92000		b	
SWH-WS-05-01	SOIL	ug/kg	110000	M	b	f
SWH-WS-05-02	SOIL	ug/kg	110000		a	
SWH-WS-05-03	SOIL	ug/kg	92000			
SWH-WS-05-04	SOIL	ug/kg	170000			g
SWH-WS-06-01	SOIL	ug/kg	100000			g
SWH-WS-06-02	SOIL	ug/kg	110000	I		
SWH-WS-06-03	SOIL	ug/kg	110000			g

000302

PAH CONCENTRATIONS
LOW SOIL TEST
FINAL DATA

SAIC #	SOIL/ AQUEOUS	Units	Fluorene	Q	Phenan-threne	Q	Anth-racene	Q	Fluor-anthene	Q	Pyrene	Q	Benzo-(a)-An-thracene	Q	Chrysene	Q	Benzo(b)-Fluor-anthene	Q
SPL-01-00	SOIL	ug/kg	7100	J	20000		86000		12000		29000		3000	J	8000	J	2600	*
SPL-02-00	SOIL	ug/kg	13000		37000		100000		21000		30000		5200	J	11000		2600	*
SPL-03-00	SOIL	ug/kg	11000		33000		110000		19000		36000		4600	J	11000		2600	*
SPL-04-00	SOIL	ug/kg	13000		41000		110000		21000		36000		4800	J	12000		2600	*
SPL-05-00	SOIL	ug/kg	20000		2600	*	250000		13000		23000		3700	J	10000		4400	J
SPL-06-00	SOIL	ug/kg	7300	MJ	21000	M	86000	M	14000	M	26000	M	4200	MJ	8900	M J	2600	*
SPL-07-00	SOIL	ug/kg	14000	h	30000	h	110000	h	17000	h	24000	h	3300	J h	8800	h	3000	J h
SPL-08-00	SOIL	ug/kg	6800	J	18000		96000		14000		20000		4100	J	9500	J	4100	J
SPL-C-00	SOIL	ug/kg	19000	J	64000		38000	J	61000		78000		15000	J	22000	J	3000	*
SWL-CDE-01-01	AQUEOUS	ug/l	32	J	42	J	150		12	J	19	J	16	*	14	*	0	R
SWL-CDE-01-02	AQUEOUS	ug/l	28	J	36	J	92		12	*	12	J	16	*	14	*	0	R
SWL-CDE-01-03	AQUEOUS	ug/l	14	*	13	*	120		12	*	12	*	16	*	14	*	0	R
SWL-CDE-01-04	AQUEOUS	ug/l	47	J	110		410		35	J	53		16	*	14	*	0	R
SWL-CDE-02-01	AQUEOUS	ug/l	30	J	47	J	140		12	J	17	J	16	*	14	*	0	R
SWL-CDE-02-02	AQUEOUS	ug/l	49	J	91		430		28	J	44	J	17	J	19	J	0	R
SWL-CDE-02-03	AQUEOUS	ug/l	61		98		400		30	J	51		18	J	20	J	0	R
SWL-CDE-02-04	AQUEOUS	ug/l	44	MJ	55	MJ*	340	M	21	MJ	33	MJ	16	MJ*	15	MJ*	0	R
SWL-CO-01-01	SOIL	ug/kg	33000	e	30000	I e	110000	I e	15000	e	22000	e	3200	e	10000	e	1700	J e
SWL-CO-01-02	SOIL	ug/kg	11000	a	30000	a	110000	BCa	11000	a	18000	a	2700	* a	6400	J a	1100	* a
SWL-CO-01-03	SOIL	ug/kg	14000	M e	38000	M e	180000	M e	12500	M e	21000	M e	2900	M e	7800	M e	1600	MJ e
SWL-CO-01-04	SOIL	ug/kg	51000		120000		270000		27000		52000		6100	J	15000		1100	*
SWL-CO-02-01	SOIL	ug/kg	6100	J e	15000	e	31000	e	13000	e	14000	e	2700	* e	5500	J e	1100	* e
SWL-CO-02-02	SOIL	ug/kg	10000	X ae	32000	X ae	170000	I ae	13000	X ae	20000	X ae	2900	ae	7300	X ae	430	* ae
SWL-CO-02-03	SOIL	ug/kg	32000	a	78000	a	270000	BCa	15000	a	24000	a	4300	J a	12000	a	2600	J a
SWL-CO-02-04	SOIL	ug/kg	16000	ae	54000	ae	270000	I ae	17000	ae	25000	ae	3700	ae	10000	ae	430	* ae
SWL-EQB-01-01	AQUEOUS	ug/l	3	L	3	L	3	L	3	L	3	L	3	L	3	L	3	L

000303

PAH CONCENTRATIONS
LOW SOIL TEST
FINAL DATA

SAIC #	SOIL/ AQUEOUS	Units	Fluorene	Q	Phenan-threne	Q	Anth-racene	Q	Fluor-anthene	Q	Pyrene	Q	Benzo-(a)-An-thracene	Q	Chrysene	Q	Benzo(b)-Fluor-anthene	Q
SWL-FO-01-01	SOIL	ug/kg	7100		19000		42000		6500		8300		1400		3800		800	J
SWL-FO-01-02	SOIL	ug/kg	6500		20000		46000		8500		11000		1900		5000		1200	J
SWL-FO-01-03	SOIL	ug/kg	33000		74000		260000		18000		15000		3700	J	9800	J	2400	J
SWL-FO-01-04	SOIL	ug/kg	61000	e	120000	e	190000	I e	22000	e	29000	e	5100	J e	15000	e	1600	* e
SWL-FO-02-01	SOIL	ug/kg	12000	af	80000	I af	150000	I af	6800	af	11000	af	1800	af	4800	af	1100	af
SWL-FO-02-02	SOIL	ug/kg	7000	J c	18000	c	76000	c	7000	J c	7900	c	1100	J c	3800	J c	1400	* c
SWL-FO-02-03	SOIL	ug/kg	5400	a	14000	a	99000	I a	5500	a	8500	a	1500	J a	1800	J a	1800	J a
SWL-FO-02-04	SOIL	ug/kg	16000	a	35000	a	140000	BCa	11000	a	17000	a	3000	J a	7000	J a	3400	J a
SWL-FPC-01-01	SOIL	ug/kg	17000	c	44000	c	240000	c	21000	c	24000	c	4700	J c	13000	c	3000	J c
SWL-FPC-01-02	SOIL	ug/kg	53000		110000		500000		48000		110000		11000	J	33000		4200	*
SWL-FPC-01-03	SOIL	ug/kg	45000	h	150000	h	530000	I h	51000	h	65000	h	13000	h	32000	h	8000	J h
SWL-FPC-01-04	SOIL	ug/kg	27000	e	71000	e	550000	I e	35000	e	43000	e	7800	J e	22000	e	8000	J e
SWL-FPC-02-01	SOIL	ug/kg	43000	e	120000	e	580000	I e	42000	e	83000	e	12000	e	34000	e	6500	J e
SWL-FPC-02-02	SOIL	ug/kg	44000	ae	120000	ae	610000	I ae	47000	ae	77000	ae	12000	ae	39000	ae	8100	ae
SWL-FPC-02-03	SOIL	ug/kg	44000	ae	120000	ae	630000	ae	48000	ae	85000	ae	34000	ae	37000	ae	4200	* ae
SWL-FPC-02-04	SOIL	ug/kg	37000	c	92000	c	630000	I c	40000	c	67000	c	9700	J c	31000	c	2600	* c
SWL-FS-01-01	SOIL	ug/kg	13000		30000		140000		16000		38000		3300	J	9800	J	2000	*
SWL-FS-01-02	SOIL	ug/kg	13000		31000		120000		14000		27000		3000	J	14000		2600	J
SWL-FS-01-03	SOIL	ug/kg	12000	M	28000	M	140000	M	17000	M	28000	M	3500	MJ	9800	MJ	2000	M*
SWL-FS-01-04	SOIL	ug/kg	16000	e	45000	e	180000	e	24000	e	38000	e	5100	J e	14000	e	2400	J e
SWL-FS-02-01	SOIL	ug/kg	17000	e	48000	e	180000	e	23000	e	35000	e	4900	J e	15000	e	2700	J e
SWL-FS-02-02	SOIL	ug/kg	4700	c	9500	c	91000	c	19000	c	20000	c	5300	c	10000	c	1200	* c
SWL-FS-02-03	SOIL	ug/kg	12000	e	30000	e	98000	I e	13000	e	15000	e	3100	e	9200	e	2000	e
SWL-FS-02-04	SOIL	ug/kg	2600	* ae	24000	ae	110000	ae	12000	ae	23000	ae	2800	* ae	2800	* ae	2000	* ae
SWL-MW-01-01	AQUEOUS	ug/l	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R
SWL-MW-01-02	AQUEOUS	ug/l	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R
SWL-MW-02-01	AQUEOUS	ug/l	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R

000304

PAH CONCENTRATIONS
LOW SOIL TEST
FINAL DATA

SAIC #	SOIL/ AQUEOUS	Units	Fluorene	Q	Phenan-threne	Q	Anth-racene	Q	Fluor-anthene	Q	Pyrene	Q	Benzo-(a)-An-thracene	Q	Chrysene	Q	Benzo(b)-Fluor-anthene	Q
SWL-MW-02-02	AQUEOUS	ug/l	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R
SWL-WS-01-01			140	I	200	I	2600	I	1600	I	2400	I	230	I	280	I	140	I
SWL-WS-01-02	SOIL	ug/kg	140 *	c	200 *	c	2600	c	1600 J	c	2400	c	230 *	c	280 *	c	140 *	c
SWL-WS-01-03	SOIL	ug/kg	770 J		1500 J		5600		2100		2300		230 *		1100 J		140 *	
SWL-WS-01-04	SOIL	ug/kg	13000	e	28000	e	82000	e	11000	e	9300	e	1900 J	e	5700	e	870 J	e
SWL-WS-02-01	SOIL	ug/kg	150 *	a	220 *	a	4600	BCa	1400 J	a	1900 J	a	250 *	a	300 *	a	150 *	a
SWL-WS-02-02	SOIL	ug/kg	140 *	c	350 J	c	1900	c	1000 J	c	1900	c	220 J	c	840 J	c	140 *	c
SWL-WS-02-03	SOIL	ug/kg	150 *	c	870 J	c	5200	c	1500 J	c	2900	c	330 J	c	1200 J	c	150 *	c
SWL-WS-02-04	SOIL	ug/kg	26000		62000		5200	I	26000		37000		7300 J		20000		7900 J	

000305

PAH CONCENTRATIONS
HIGH SOIL TEST
FINAL DATA

SAIC #	SOIL/ AQUEOUS	Units	Acenaph-thene	Q	Fluorene	Q	Phenan-threne	Q	Anth-racene	Q	Fluor-anthene	Q	Pyrene	Q	Benzo-(a)-An-thracene	Q	Chrysene	Q	Benzo(b)-Fluor-anthene	Q	Benzo(k) Fluor-anthene	Q
SPH-01-00	SOIL	ug/kg	11000		11000		47000		22000		43000		44000		8000	J	16000		3000	*	2700	*
SPH-02-00	SOIL	ug/kg	21000		24000		84000		39000		75000		68000		16000		28000		11000		9500	J
SPH-03-00	SOIL	ug/kg	22000		26000		86000		41000		68000		92000		17000		26000		13000		12000	
SPH-04-00	SOIL	ug/kg	14000		11000		38000		19000		62000		49000		15000		21000		16000		2700	*
SPH-05-00	SOIL	ug/kg	24000		27000		92000		45000		76000		97000		19000		31000		12000		14000	
SPH-06-00	SOIL	ug/kg	23000		28000		97000		42000		76000		79000		19000		29000		11000		11000	
SPH-07-00	SOIL	ug/kg	25000		28000		110000		46000		77000		77000		20000		29000		11000		11000	
SPH-08-00	SOIL	ug/kg	21000		20000		74000		41000		76000		81000		19000		32000		13000		10000	
SPH-09-00	SOIL	ug/kg	16000		15000		53000		31000		65000		86000		17000		28000		11000		12000	
SPH-10-00	SOIL	ug/kg	16000		17000		80000		35000		61000		2600	*	15000		23000		8500	J	8500	J
SPH-11-00	SOIL	ug/kg	21000		22000		80000		34000		70000		100000		19000		30000		16000		14000	
SPH-12-00	SOIL	ug/kg	21000		20000		74000		31000		85000		59000		20000		30000		13000		11000	
SPH-C-00	SOIL	ug/kg	19000	M	20000	M	81000	M	37000	M	76000	M	67000	M	19000	M	30000	M	12000	M	9700	MJ
SWH-ATW-01-01	AQUEOUS	ug/l	0	R	0	R	0	R	0	R	1.6	*	1.6	*	0	R	0	R	0	R	0	R
SWH-ATW-01-02	AQUEOUS	ug/l	0	R	0	R	0	R	0	R	1.6	*	1.6	*	0	R	0	R	0	R	0	R
SWH-ATW-02-01	AQUEOUS	ug/l	0	R bf	0	R bf	0	R bf	0	R bf	1.6	* bf	1.6	* bf	0	R bf	0	R bf	0	R bf	0	R bf
SWH-ATW-02-02	AQUEOUS	ug/l	0	R b	0	R b	0	R b	0	R b	110	DJb	110	DJb	0	R b	0	R b	0	R b	0	R b
SWH-ATW-04-01	AQUEOUS	ug/l	0	R	0	R	0	R	0	R	1.6	*	1.6	*	0	R	0	R	0	R	0	R
SWH-ATW-04-02	AQUEOUS	ug/l	0	R f	0	R f	0	R f	0	R f	1.6	M* f	1.6	M* f	0	R f	0	R f	0	R f	0	R f
SWH-ATW-05-01	AQUEOUS	ug/l	0	R b	0	R b	0	R b	0	R b	1.6	* b	1.6	* b	0	R b	0	R b	0	R b	0	R b
SWH-ATW-05-02	AQUEOUS	ug/l	0	I	0	I	0	I	0	I	2.1	I	2.1	I	0	I	0	I	0	I	0	I
SWH-ATW-06-01	AQUEOUS	ug/l	0	R be	0	R be	0	R be	0	R be	2.5	* be	2.5	* be	0	R be	0	R be	0	R be	0	R be
SWH-ATW-06-02	AQUEOUS	ug/l	0	R be	0	R be	0	R be	0	R be	1.6	* be	1.6	* be	0	R be	0	R be	0	R be	0	R be
SWH-CDE-01-01	AQUEOUS	ug/l	280		250		1100		560		1100		730		230		350		130		120	
SWH-CDE-01-02	AQUEOUS	ug/l	100		93		440		240		370		280		79		120		11	*	10	*
SWH-CDE-01-04	AQUEOUS	ug/l	39	J bf	6.8	* bf	7.1	* bf	32	J bf	240	bf	250	bf	56	bf	90	bf	30	J bf	10	* bf
SWH-CDE-02-01	AQUEOUS	ug/l	11	*	96		370		220		340		270		80		120		47	J	37	J
SWH-CDE-02-02	AQUEOUS	ug/l	84		67		280		140		250		210		58		90		35	J	32	J
SWH-CDE-02-03	AQUEOUS	ug/l	68	h	58	h	210	h	120	h	200	h	180	h	45	J h	68	h	26	J h	24	J h

000306

PAH CONCENTRATIONS
HIGH SOIL TEST
FINAL DATA

SAIC #	SOIL/ AQUEOUS	Units	Acenaph-thene	Q	Fluorene	Q	Phenan-threne	Q	Anth-racene	Q	Fluor-anthene	Q	Pyrene	Q	Benzo-(a)-An-thracene	Q	Chrysene	Q	Benzo(b)-Fluor-anthene	Q	Benzo(k) Fluor-anthene	Q
SWH-CDE-02-04	AQUEOUS	ug/l	91		92		310	X	190	X	270		300		58		110		34	J	32	J
SWH-CDE-04-01	AQUEOUS	ug/l	77	J g	12 *	g	210	X g	110	X g	240	X g	230	X g	40	JX g	70	JX g	18 *	g	17 *	g
SWH-CDE-04-02	AQUEOUS	ug/l	74	I	15	I	150	I	90	I	210	I	190	I	42	I	66	I	25	I	16	I
SWH-CDE-04-03	AQUEOUS	ug/l	71	MJ	19	MJ*	91	M	69	M	180	M	160	M	44	MJ	63	M	32	MJ	14	MJ*
SWH-CDE-04-04	AQUEOUS	ug/l	350	f	390	f	1400	f	510	f	1100	f	960	f	220	f	350	f	140	f	110	f
SWH-CDE-05-01	AQUEOUS	ug/l	74	M	35	MJ*	130	M	86	M	200	M	180	M	44	MJ	68	MJ	26	MJ*	18	MJ*
SWH-CDE-05-02	AQUEOUS	ug/l	200	bf	6.8 *	bf	310	bf	270	bf	760	bf	740	bf	150	bf	240	bf	98	bf	73	bf
SWH-CDE-05-03	AQUEOUS	ug/l	260	b	12 *	b	770	b	450	b	970	b	800	b	180	b	300	b	18 *	b	17 *	b
SWH-CDE-05-04	AQUEOUS	ug/l	15	J b	3.2 *	b	3.2 *	b	38	b	90	b	76	b	21	b	31	b	12	J b	15	J b
SWH-CDE-06-01	AQUEOUS	ug/l	76	J b	12 *	b	13 *	b	120	b	280	b	260	b	54	J b	89	J b	32	J b	25	J b
SWH-CDE-06-02	AQUEOUS	ug/l	11 *	be	6.8 *	be	7.1 *	be	12 *	be	170	be	130	be	13 *	be	13 *	be	11 *	be	10 *	be
SWH-CDE-06-03	AQUEOUS	ug/l	71	be	6.8 *	be	7.1 *	be	61	be	320	be	220	be	61	be	84	be	11 *	be	10 *	be
SWH-CO-01-01	SOIL	ug/kg	22000	g	24000	g	92000	g	58000	g	96000	g	130000	g	24000	g	56000	g	17000	g	1400 *	g
SWH-CO-01-02	SOIL	ug/kg	23000	h	24000	h	87000	h	60000	h	110000	h	77000	h	47000	h	2600	J h	1200	J h	670 *	h
SWH-CO-01-04	SOIL	ug/kg	14000 *		6400 *		86000		49000	J	100000		84000		14000 *		11000 *		9200 *		4100 *	
SWH-CO-02-01	SOIL	ug/kg	13000	I	8100	I	73000	I	50000	I	86000	I	73000	I	13000	I	16000	I	9400	I	3200	I
SWH-CO-02-02	SOIL	ug/kg	12000	I	10000	I	84000	I	51000	I	71000	I	60000	I	12000	I	21000	I	9700	I	2200	I
SWH-CO-02-03	SOIL	ug/kg	11000	a	12000	a	44000	a	52000	a	55000	a	47000	a	11000	a	26000	a	10000	a	1100 *	a
SWH-CO-02-04	SOIL	ug/kg	25000	h	24000	h	86000	h	58000	h	110000	h	80000	h	21000	h	37000	h	24000	h	670 *	h
SWH-CO-04-01	SOIL	ug/kg	29000	af	790 *	af	53000	af	39000	af	86000	af	95000	af	21000	af	39000	af	14000	af	11000	af
SWH-CO-04-02	SOIL	ug/kg	30000	DJ be	30000	DJ be	91000	DJbe	88000	DJbe	110000	D be	79000	DJbe	41000	DJ be	49000	DJbe	9000	DJ be	5800 *	be
SWH-CO-04-03	SOIL	ug/kg	36000	h	1700 *	h	120000	h	62000	h	110000	h	96000	h	21000	h	36000	h	14000	h	1400 *	h
SWH-CO-04-04	SOIL	ug/kg	39000	g	48000	g	200000	g	79000	g	110000	g	200000	g	32000	g	54000	g	20000	g	2300 *	g
SWH-CO-05-01	SOIL	ug/kg	25000	ah	14000	MJ*ah	130000	ah	90000	M ah	100000	M ah	85000	M ah	27000	MJ ah	43000	MJah	10000	M *ah	8800	M *ah
SWH-CO-05-02	SOIL	ug/kg	28000	I	27000	I	120000	I	88000	I	91000	I	85000	I	24000	I	44000	I	13000	I	11000	I
SWH-CO-05-03	SOIL	ug/kg	30000	e	37000	e	110000	I e	86000	e	84000	I e	85000	e	22000	e	45000	e	15000	e	12000	e
SWH-CO-05-04	SOIL	ug/kg	26000		790 *		95000		39000		76000		58000		19000		27000		10000		5800	
SWH-CO-06-01	SOIL	ug/kg	37000	g	36000	g	95000	I g	96000	g	76000	I g	88000	I g	30000	g	48000	g	18000	g	17000	g
SWH-CO-06-02	SOIL	ug/kg	36000	e	39000	e	95000	I e	87000	e	76000	I e	120000	e	32000	e	61000	e	19000	e	20000	e
SWH-CO-06-03	SOIL	ug/kg	34000	e	38000	e	95000	I e	86000	e	76000	I e	120000	e	32000	e	58000	e	25000	e	22000	e

000307

PAH CONCENTRATIONS
HIGH SOIL TEST
FINAL DATA

SAIC #	SOIL/ AQUEOUS	Units	Acenaph- thene	Q	Fluorene	Q	Phenan- threne	Q	Anth- racene	Q	Fluor- anthene	Q	Pyrene	Q	Benzo- (a)-An- thracene	Q	Chrysene	Q	Benzo(b)- Fluor- anthene	Q	Benzo(k) Fluor- anthene	Q
SWH-DPS	SOIL	ug/kg	10	L a	8	J a	12	J a	10	L a	19	J a	8	J a	10	L a	10	L a	10	L a	10	L a
SWH-EQB-02-01	AQUEOUS	ug/l	3	L b	3	L b	3	L b	3	L b	3	L b	3	L b	3	L b	3	L b	3	L b	3	L b
SWH-EQB-03-01	AQUEOUS	ug/l	3	L e	3	L e	3	L e	3	L e	3	L e	3	L e	3	L e	3	L e	3	L e	3	L e
SWH-FO-01-01	SOIL	ug/kg	9000	af	11000	af	43000	af	31000	af	30000	af	60000	af	8400	J af	25000	af	6200	J af	1500	* af
SWH-FO-01-02	SOIL	ug/kg	12000	af	14000	af	49000	af	44000	BCaf	39000	af	37000	af	9100	af	17000	af	6000	af	5400	af
SWH-FO-01-04	SOIL	ug/kg	9200	a	8200	J a	35000	a	28000	a	37000	a	33000	a	7600	J a	22000	a	4400	JX a	5900	JX a
SWH-FO-02-01	SOIL	ug/kg	15000	a	19000	a	120000	I a	36000	BCa	110000	I a	58000	a	13000	a	16000	a	14000	a	390	* a
SWH-FO-02-02	SOIL	ug/kg	62000	af	2100	* af	210000	af	120000	af	190000	af	210000	af	39000	af	70000	af	26000	af	21000	af
SWH-FO-02-03	SOIL	ug/kg	10000	a	11000	a	40000	a	44000	a	35000	a	34000	a	7300	J a	16000	a	4900	J a	4600	J a
SWH-FO-02-04	SOIL	ug/kg	16000	ag	880	* ag	65000	ag	62000	ag	60000	ag	72000	ag	13000	ag	21000	ag	8100	ag	6300	ag
SWH-FO-04-01	SOIL	ug/kg	17000	af	22000	af	84000	af	41000	af	59000	af	110000	af	15000	af	31000	af	11000	af	1300	* af
SWH-FO-04-02	SOIL	ug/kg	21000	bf	22000	bf	83000	bf	45000	bf	76000	bf	52000	bf	14000	bf	27000	bf	7300	J bf	9600	J bf
SWH-FO-04-03	SOIL	ug/kg	21000	b	20000	b	97000	b	50000	b	82000	b	100000	b	16000	b	34000	b	15000	b	11000	b
SWH-FO-04-04	SOIL	ug/kg	26000	be	24000	be	98000	be	52000	be	96000	be	100000	be	21000	be	37000	be	19000	be	1700	* be
SWH-FO-05-01	SOIL	ug/kg	33000	M a	34000	M *a	99000	I a	94000	a	92000	I a	91000	a	33000	a	61000	a	17000	M a	15000	M a
SWH-FO-05-02	SOIL	ug/kg	26000	a	30000	a	100000	a	53000	a	84000	a	65000	a	22000	a	38000	a	11000	a	710	* a
SWH-FO-05-03	SOIL	ug/kg	29000	e	39000	e	100000	I e	68000	I e	84000	I e	87000	e	23000	e	46000	e	15000	e	14000	e
SWH-FO-05-04	SOIL	ug/kg	34000		40000		100000	I	85000		84000	I	92000	I	34000		53000		16000		13000	
SWH-FO-06-01	SOIL	ug/kg	33000		39000		100000	I	74000		84000	I	96000		37000		48000		18000		11000	
SWH-FO-06-02	SOIL	ug/kg	27000	e	35000	e	100000	I e	84000	e	84000	I e	90000	e	22000	e	44000	e	15000	e	14000	e
SWH-FO-06-03	SOIL	ug/kg	30000	e	35000	e	100000	I e	79000	e	84000	I e	99000	e	27000	e	53000	e	17000	e	16000	e
SWH-FPC-01-01	SOIL	ug/kg	59000	f	58000	f	210000	f	120000	f	230000	f	150000	f	47000	f	79000	f	33000	f	27000	f
SWH-FPC-01-02	SOIL	ug/kg	47000	h	49000	h	230000	I h	120000	h	240000	I h	120000	h	58000	h	85000	h	57000	h	830	* h
SWH-FPC-01-04	SOIL	ug/kg	65000		70000		260000		150000		270000		220000		62000		98000		33000	J	34000	J
SWH-FPC-02-01	SOIL	ug/kg	56000	I	59000	I	220000	I	120000	I	230000	I	190000	I	50000		81000	I	29000	I	20000	I
SWH-FPC-02-02	SOIL	ug/kg	46000	J	48000	J	180000		98000		190000		150000		38000	J	64000		25000	J	6400	*
SWH-FPC-02-03	SOIL	ug/kg	52000	f	67000	f	240000	f	130000	f	270000	f	170000	f	53000	f	89000	f	31000	f	36000	f

000308

PAH CONCENTRATIONS
HIGH SOIL TEST
FINAL DATA

SAIC #	SOIL/ AQUEOUS	Units	Acenaph-thene	Q	Fluorene	Q	Phenan-threne	Q	Anth-racene	Q	Fluor-anthene	Q	Pyrene	Q	Benzo-(a)-An-thracene	Q	Chrysene	Q	Benzo(b)-Fluor-anthene	Q	Benzo(k) Fluor-anthene	Q
SWH-FPC-02-04	SOIL	ug/kg	63000		65000		260000		150000		240000		220000		59000		100000		33000 J		33000 J	
SWH-FPC-04-01	SOIL	ug/kg	64000	af	73000	af	230000 I	af	100000	af	210000 I	af	120000 I	af	52000	af	89000	af	33000	af	29000	af
SWH-FPC-04-02	SOIL	ug/kg	60000	be	73000	be	230000	be	110000	be	200000	be	110000	be	48000	be	66000	be	24000	be	29000	be
SWH-FPC-04-03	SOIL	ug/kg	61000	g	80000	g	290000	g	130000	g	200000	g	390000	g	56000	g	92000	g	42000	g	3200 *	g
SWH-FPC-04-04	SOIL	ug/kg	72000	h	2400 *	h	290000	h	110000	h	220000	h	220000	h	47000	h	75000	h	32000	h	1800 *	h
SWH-FPC-05-01	SOIL	ug/kg	53000 M		61000 M		300000		96000 M		250000		190000		46000 M		71000 M		27000 M		26000 M	
SWH-FPC-05-02	SOIL	ug/kg	31000	a	36000	a	130000	a	53000	a	120000	a	72000	a	26000	a	40000	a	16000	a	10000	a
SWH-FPC-05-03	SOIL	ug/kg	80000	g	2400 *	g	290000	g	89000	g	260000	g	220000	g	63000	g	85000	g	31000	g	38000	g
SWH-FPC-05-04	SOIL	ug/kg	56000	be	63000	be	250000	be	100000	be	210000	be	180000	be	52000	be	71000	be	29000	be	1800 *	be
SWH-FPC-06-01	SOIL	ug/kg	28000	g	29000	g	120000	g	52000	g	110000	g	110000	g	23000	g	37000	g	14000	g	12000	g
SWH-FPC-06-02	SOIL	ug/kg	46000	bf	56000 D	bf	190000 D	bf	93000 D	bf	190000 D	bf	160000 D	bf	35000 DJ	bf	64000 D	bf	37000 DJ	bf	5500 *	bf
SWH-FPC-06-03	SOIL	ug/kg	41000	e	56000	e	190000 I	e	89000	e	190000 I	e	160000 I	e	44000	e	71000	e	31000	e	19000	e
SWH-FS-01-01	SOIL	ug/kg	17000	f	16000	f	69000	f	36000	f	76000	f	50000	f	12000	f	23000	f	8400 J	f	9500 J	f
SWH-FS-01-02	SOIL	ug/kg	19000	g	2000 *	g	73000	g	49000	g	65000	g	79000	g	12000	g	25000	g	2200 *	g	1500 *	g
SWH-FS-01-04	SOIL	ug/kg	14000	c	2000 *	c	43000	c	30000	c	54000	c	55000	c	11000	c	22000	c	8200 J	c	8500 J	c
SWH-FS-02-01	SOIL	ug/kg	19000	h	19000	h	62000	h	39000	h	77000	h	82000	h	16000	h	29000	h	21000	h	720 *	h
SWH-FS-02-02	SOIL	ug/kg	18000	h	890 *	h	6100	h	63000	h	66000	h	60000	h	15000	h	25000	h	11000	h	8900	h
SWH-FS-02-03	SOIL	ug/kg	14000	a	13000	a	57000	a	33000	a	57000	a	49000	a	12000	a	22000	a	8700 J	a	7500 J	a
SWH-FS-02-04	SOIL	ug/kg	13000	ce	14000	ce	39000	ce	22000	ce	52000	ce	56000	ce	12000	ce	20000	ce	12000	ce	1500 *	ce
SWH-FS-04-01	SOIL	ug/kg	15000	g	17000	g	61000	g	43000	g	62000	g	57000	g	11000	g	20000	g	2200 *	g	1500 *	g
SWH-FS-04-02	SOIL	ug/kg	15000 J	be	15000 DJ	be	66000 D	be	35000 DJ	be	62000 D	be	58000 D	be	12000 DJ	be	22000 DJ	be	9100 DJ	be	5000 DJ	be
SWH-FS-04-03	SOIL	ug/kg	30000	b	26000	b	110000	b	66000	b	85000	b	80000	b	19000	b	36000	b	2200 *	b	1500 *	b
SWH-FS-04-04	SOIL	ug/kg	31000 I		31000 I		120000 I		65000 I		83000 I		100000 I		25000 I		43000 I		10000 I		8500 I	
SWH-FS-05-01	SOIL	ug/kg	32000 M	be	36000 M	be	140000 M	be	65000 M	be	80000 M	be	120000 M	be	30000 M	be	50000 M	be	18000 M	*be	15000 M	*be
SWH-FS-05-02	SOIL	ug/kg	20000	a	23000	a	79000	a	36000	a	64000	a	58000	a	17000	a	31000	a	9000	a	8200	a
SWH-FS-05-03	SOIL	ug/kg	24000	g	24000	g	90000	g	36000	g	70000	g	78000	g	15000	g	24000	g	2200 *	g	1500 *	g
SWH-FS-05-04	SOIL	ug/kg	16000	e	39000	e	72000 I	e	29000 I	e	83000	e	53000	e	16000	e	25000	e	11000	e	8400	e
SWH-FS-06-01	SOIL	ug/kg	15000		16000		56000		23000		51000		46000		13000		19000		5200		400 *	
SWH-FS-06-02	SOIL	ug/kg	18000	g	2000 *	g	75000	g	81000	g	74000	g	70000	g	14000	g	28000	g	8300 J	g	9000 J	g
SWH-FS-06-03	SOIL	ug/kg	19000	g	21000	g	72000	g	29000	g	65000	g	71000	g	12000	g	21000	g	2200 *	g	1500 *	g

000309

PAH CONCENTRATIONS
HIGH SOIL TEST
FINAL DATA

SAIC #	SOIL/ AQUEOUS	Units	Acenaph-thene	Q	Fluorene	Q	Phenan-threne	Q	Anth-racene	Q	Fluor-anthene	Q	Pyrene	Q	Benzo-(a)-An-thracene	Q	Chrysene	Q	Benzo(b)-Fluor-anthene	Q	Benzo(k) Fluor-anthene	Q
SWH-MW-01-01	AQUEOUS	ug/l	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R
SWH-MW-01-02	AQUEOUS	ug/l	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R
SWH-MW-02-01	AQUEOUS	ug/l	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R
SWH-MW-02-02	AQUEOUS	ug/l	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R
SWH-MW-04-01	AQUEOUS	ug/l	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R
SWH-MW-04-02	AQUEOUS	ug/l	0	R f	0	R f	0	R f	0	R f	0	R f	0	R f	0	R f	0	R f	0	R f	0	R f
SWH-MW-05-01	AQUEOUS	ug/l	0	I	0	I	0	I	0	I	0	I	0	I	0	I	0	I	0	I	0	I
SWH-MW-05-02	AQUEOUS	ug/l	0	R g	0	R g	0	R g	0	R g	0	R g	0	R g	0	R g	0	R g	0	R g	0	R g
SWH-MW-06-01	AQUEOUS	ug/l	0	R g	0	R g	0	R g	0	R g	0	R g	0	R g	0	R g	0	R g	0	R g	0	R g
SWH-MW-06-02	AQUEOUS	ug/l	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R	0	R
SWH-MW-06-03	AQUEOUS	ug/l	0	I	0	I	0	I	0	I	0	I	0	I	0	I	0	I	0	I	0	I
SWH-WS-01-01	SOIL	ug/kg	460	* a	1100	J a	3600	a	1800	BCa	6200	a	4600	a	1300	J a	2400	a	750	J a	760	J a
SWH-WS-01-02	SOIL	ug/kg	2100	J ag	2400	J ag	8400	ag	4100	ag	11000	ag	9100	ag	1800	J ag	3200	J ag	1900	J ag	620	* ag
SWH-WS-01-04	SOIL	ug/kg	1400	J a	380	* a	5700	a	3600	a	6500	a	6200	a	1300	J a	2500	a	650	J a	800	J a
SWH-WS-02-01	SOIL	ug/kg	750	* a	1500	J a	6500	a	3600	a	6400	a	7100	a	1700	J a	2800	J a	680	* a	610	* a
SWH-WS-02-02	SOIL	ug/kg	720	* ah	610	* ah	4100	ah	1500	J ah	5000	ah	3700	ah	820	* ah	800	* ah	660	* ah	600	* ah
SWH-WS-02-03	SOIL	ug/kg	1600	J af	1900	J af	7900	af	3800	af	8800	af	9700	af	880	* af	860	* af	690	* af	620	* af
SWH-WS-02-04	SOIL	ug/kg	1300	J ag	380	* ag	6000	ag	2900	ag	7000	ag	5900	ag	1400	J ag	2500	ag	430	* ag	400	* ag
SWH-WS-04-01	SOIL	ug/kg	1700	J af	2000	J af	9000	af	2800	J af	7200	af	11000	af	2000	J af	3300	J af	670	* af	2700	J af
SWH-WS-04-02	SOIL	ug/kg	2000	J be	1200	* be	7700	J be	7200	J be	7900	J be	9100	J be	1500	* be	3800	J be	920	* be	810	* be
SWH-WS-04-03	SOIL	ug/kg	1400	I	960	I	8200	I	5800	I	8200	I	7100	I	1200	I	3300	I	830	I	730	I
SWH-WS-04-04	SOIL	ug/kg	820	* b	700	* b	8800	b	4400	b	8600	b	5000	b	950	* b	2800	J b	730	* b	650	* b
SWH-WS-05-01	SOIL	ug/kg	1700	MJ*b	1600	MJ*b	12000	M b	5700	MJb	11000	M b	12000	M b	2200	MJ*b	4100	MJb	940	MJ*b	1000	MJ*b
SWH-WS-05-02	SOIL	ug/kg	3600	a	4300	a	16000	a	6700	a	17000	a	11000	a	3100	J a	5600	a	1900	J a	1500	J a
SWH-WS-05-03	SOIL	ug/kg	3200	J	3700		14000		6400		12000		9900		2600	J	4400		690	*	620	*
SWH-WS-05-04	SOIL	ug/kg	5000		6300		20000		8100		17000		20000		4100		6600		2100		400	*
SWH-WS-06-01	SOIL	ug/kg	760	* e	650	* e	13000	e	4900	e	11000	e	9800	e	880	* e	860	* e	690	* e	620	* e
SWH-WS-06-02	SOIL	ug/kg	760	I	640	I	13000	I	5000	I	11000	I	9500	I	870	I	850	I	680	I	620	I
SWH-WS-06-03	SOIL	ug/kg	750	* e	640	* e	13000	e	5100	e	11000	e	9200	e	860	* e	840	* e	680	* e	610	* e

000310

RAW PENTA & PAH DATA WITH
SURROGATE RECOVERIES

Summary of Pentachlorophenol Data for the Soil Washer

Low Soil Test

Raw Data

(With Holding Time Analysis)

MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Penta-chloro-phenol	Q	Units
8909089	AQUEOUS	09/27/89	09/25/89	09/29/89	0		10/12/89	0		8000	E	ug/L
8909089	AQUEOUS	09/27/89	09/25/89	09/29/89	0		10/20/89	0		18000	D	ug/L
8909089	AQUEOUS	09/27/89	09/26/89	09/29/89	0		10/11/89	0		12000	E	ug/L
8909089	AQUEOUS	09/27/89	09/26/89	09/29/89	0		10/20/89	0		10000	D	ug/L
8909088	AQUEOUS	09/27/89	09/26/89	09/29/89	0		10/20/89	0		13000	E	ug/L
8909088	AQUEOUS	09/27/89	09/26/89	09/29/89	0		10/20/89	0		12000	D	ug/L
8909088	AQUEOUS	09/27/89	09/26/89	09/29/89	0		10/20/89	0		15000	E	ug/L
8909088	AQUEOUS	09/27/89	09/26/89	09/29/89	0		10/20/89	0		12000	D	ug/L
8909102	AQUEOUS	09/28/89	09/26/89	09/29/89	0		10/14/89	0		12000	E	ug/L
8909102	AQUEOUS	09/28/89	09/26/89	09/29/89	0		10/21/89	0		21000	D	ug/L
8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		9500	E	ug/L
8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/12/89	0		14000	D	ug/L
8909101	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/12/89	0		8100	E	ug/L
8909101	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/11/89	0		15000	D	ug/L
8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		8400	E	ug/L
8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/11/89	0		17000	D	ug/L
8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/11/89	0		12000	D	ug/L
8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		8000	E	ug/L
8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/11/89	0		9700	D	ug/L
8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		6800	E	ug/L
8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/12/89	0		7000	D	ug/L
8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		6200	E	ug/L
8909090	AQUEOUS	09/27/89	09/25/89	09/29/89	0		10/20/89	0		50	U	ug/L
8909088	AQUEOUS	09/27/89	09/25/89	09/29/89	0		10/20/89	0		50	U	ug/L
8909088	AQUEOUS	09/27/89	09/26/89	09/29/89	0		10/20/89	0		50	U	ug/L
8909102	AQUEOUS	09/28/89	09/26/89	09/29/89	0		10/12/89	0		50	U	ug/L
8909103	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		50	U	ug/L

000312

Summary of Pentachlorophenol Data for the Soil Washer

Low Soil Test

Raw Data

(With Holding Time Analysis)

MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Penta-chloro-phenol	Q	Units
8909103	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		50	U	ug/L
8909103	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		50	U	ug/L
8909103	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		50	U	ug/L
8909086	SOIL	09/26/89	09/24/89	10/05/89	0		10/24/89	0		150000		ug/kg
8909086	SOIL	09/26/89	09/24/89	10/04/89	0		10/16/89	0		48000	U	ug/kg
8909086	SOIL	09/26/89	09/24/89	10/05/89	0		02/12/90	90	h	110000		ug/kg
8909086	SOIL	09/26/89	09/24/89	10/04/89	0		10/26/89	0		48000	U	ug/kg
8909086	SOIL	09/26/89	09/24/89	10/04/89	0		02/13/90	92	h	190000		ug/kg
8909086	SOIL	09/26/89	09/24/89	10/04/89	0		10/23/89	0		48000	U	ug/kg
8909086	SOIL	09/26/89	09/24/89	10/05/89	0		11/03/89	0		94000		ug/kg
8909086	SOIL	09/26/89	09/24/89	10/04/89	0		10/23/89	0		48000	U	ug/kg
8909086	SOIL	09/26/89	09/24/89	10/05/89	0		11/03/89	0		120000		ug/kg
8909086	SOIL	09/26/89	09/24/89	10/04/89	0		10/26/89	0		48000	U	ug/kg
8909086	SOIL	09/26/89	09/24/89	10/05/89	0		11/03/89	0		130000		ug/kg
8909086	SOIL	09/26/89	09/24/89	10/04/89	0		10/24/89	0		48000	U	ug/kg
8909086	SOIL	09/26/89	09/24/89	10/04/89	0		02/16/90	95	h	200000	E	ug/kg
8909086	SOIL	09/26/89	09/24/89	10/08/89	0		11/02/89	0		120000	D	ug/kg
8909086	SOIL	09/26/89	09/24/89	10/08/89	0		11/02/89	0		150000		ug/kg
8909086	SOIL	09/26/89	09/24/89	10/04/89	0		11/02/89	0		48000	U	ug/kg
8909085	SOIL	09/26/89	09/24/89	10/05/89	0		10/27/89	0		450000		ug/kg
8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/23/89	0		48000	U	ug/kg
8909089	SOIL	09/27/89	09/25/89	10/07/89	0		11/17/89	1	e	250000	E	ug/kg
8909089	SOIL	09/27/89	09/25/89	10/07/89	0		11/22/89	6	e	180000	D	ug/kg
8909088	SOIL	09/27/89	09/26/89	11/04/89	25	a	11/18/89	0		120000		ug/kg
8909088	SOIL	09/27/89	09/26/89	10/07/89	0		11/18/89	2	e	180000	E	ug/kg
8909089	SOIL	09/27/89	09/26/89	10/07/89	0		11/17/89	1	e	190000	E	ug/kg
8909089	SOIL	09/27/89	09/26/89	10/07/89	0		11/21/89	5	e	140000	D	ug/kg

000313

Summary of Pentachlorophenol Data for the Soil Washer

Low Soil Test

Raw Data

(With Holding Time Analysis)

MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Penta-chloro-phenol	Q	Units
8909088	SOIL	09/26/89	09/26/89	10/07/89	0		11/16/89	0		150000	D	ug/kg
8909088	SOIL	09/27/89	09/26/89	10/08/89	0		11/02/89	0		150000		ug/kg
8909088	SOIL	09/27/89	09/26/89	10/04/89	0		11/09/89	0		48000	U	ug/kg
8909103	SOIL	09/28/89	09/26/89	10/03/89	0		11/15/89	3	e	96000		ug/kg
8909101	SOIL	09/28/89	09/27/89	10/12/89	1	a	12/12/89	21	e	160000	EX	ug/kg
8909101	SOIL	09/28/89	09/27/89	10/12/89	1	a	12/12/89	21	e	140000	D	ug/kg
8909101	SOIL	09/28/89	09/27/89	11/04/89	24	a	11/18/89	0		250000		ug/kg
8909111	SOIL	09/29/89	09/27/89	10/12/89	1	a	12/11/89	20	e	220000	E	ug/kg
8909111	SOIL	09/29/89	09/27/89	10/12/89	1	a	12/12/89	21	e	230000	D	ug/kg
8909089	SOIL	09/27/89	09/25/89	10/07/89	0		11/16/89	0		55000	E	ug/kg
8909089	SOIL	09/27/89	09/25/89	10/07/89	0		11/21/89	5	e	50000	D	ug/kg
8909089	SOIL	09/27/89	09/26/89	10/07/89	0		11/16/89	0		83000	E	ug/kg
8909089	SOIL	09/27/89	09/26/89	10/07/89	0		11/21/89	5	e	88000	D	ug/kg
8909088	SOIL	09/27/89	09/26/89	12/13/89	64	c	01/10/90	0		160000		ug/kg
8909089	SOIL	09/27/89	09/26/89	10/08/89	0		11/03/89	0		130000		ug/kg
8909090	SOIL	09/27/89	09/26/89	10/03/89	0		11/13/89	1	e	160000		ug/kg
8909090	SOIL	09/27/89	09/26/89	10/04/89	0		11/09/89	0		48000	U	ug/kg
8909103	SOIL	09/28/89	09/26/89	10/19/89	9	a	01/16/90	49	f	96000	E	ug/kg
8909103	SOIL	09/28/89	09/26/89	10/19/89	9	a	01/19/90	52	f	69000	D	ug/kg
8909101	SOIL	09/28/89	09/27/89	12/13/89	63	c	01/02/90	0		95000		ug/kg
8909101	SOIL	09/28/89	09/27/89	11/04/89	24	a	11/27/89	0		110000	E	ug/kg
8909101	SOIL	09/28/89	09/27/89	11/04/89	24	a	11/18/89	0		71000	D	ug/kg
8909111	SOIL	09/29/89	09/27/89	11/04/89	24	a	11/16/89	0		88000		ug/kg
8909089	SOIL	09/27/89	09/25/89	12/13/89	65	c	01/02/90	0		160000		ug/kg
8909088	SOIL	09/26/89	09/26/89	10/08/89	0		11/02/89	0		320000		ug/kg
8909089	SOIL	09/27/89	09/26/89	10/07/89	0		02/27/90	103	h	480000	E	ug/kg
8909089	SOIL	09/27/89	09/26/89	10/07/89	0		02/27/90	103	h	400000	D	ug/kg

0000314

Summary of Pentachlorophenol Data for the Soil Washer
Low Soil Test
Raw Data
(With Holding Time Analysis)

MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Penta-chloro-phenol	Q	Units
8909089	SOIL	09/27/89	09/26/89	03/05/90	146	d	03/07/90	0		1600000	E	ug/kg
8909089	SOIL	09/27/89	09/26/89	03/05/90	146	d	03/07/90	0		990000	D	ug/kg
8909090	SOIL	09/27/89	09/26/89	10/03/89	0		11/13/89	1	e	210000		ug/kg
8909090	SOIL	09/27/89	09/26/89	10/03/89	0		11/13/89	1	e	240000	U	ug/kg
8909103	SOIL	09/28/89	09/26/89	10/03/89	0		11/13/89	1	e	210000		ug/kg
8910011	SOIL	10/03/89	09/26/89	11/07/89	28	a	12/11/89	0		260000	X	ug/kg
8909103	SOIL	09/28/89	09/26/89	10/03/89	0		03/01/90	109	h	250000	D	ug/kg
8909101	SOIL	09/28/89	09/27/89	10/12/89	1	a	12/12/89	21	e	450000	E	ug/kg
8909101	SOIL	09/28/89	09/27/89	10/12/89	1	a	12/12/89	21	e	200000	D	ug/kg
8909101	SOIL	09/28/89	09/27/89	10/12/89	1	a	12/12/89	21	e	360000		ug/kg
8909102	SOIL	09/28/89	09/27/89	12/13/89	63	c	01/09/90	0		350000	E	ug/kg
8909102	SOIL	09/28/89	09/27/89	12/13/89	63	c	12/30/89	0		280000	D	ug/kg
8909089	SOIL	09/27/89	09/25/89	10/08/89	0		11/02/89	0		130000		ug/kg
8909089	SOIL	09/27/89	09/26/89	10/08/89	0		11/02/89	0		110000		ug/kg
8909089	SOIL	09/27/89	09/26/89	10/08/89	0		11/02/89	0		130000		ug/kg
8909089	SOIL	09/27/89	09/26/89	10/08/89	0		11/04/89	0		100000		ug/kg
8909090	SOIL	09/27/89	09/26/89	10/03/89	0		11/13/89	1	e	140000		ug/kg
8909103	SOIL	09/28/89	09/26/89	10/03/89	0		11/13/89	1	e	85000		ug/kg
8909101	SOIL	09/28/89	09/27/89	12/13/89	63	c	12/31/89	0		160000	E	ug/kg
8909101	SOIL	09/28/89	09/27/89	12/13/89	63	c	01/19/90	0		150000	D	ug/kg
8909101	SOIL	09/28/89	09/27/89	10/07/89	0		01/15/90	60	g	120000	D	ug/kg
8909101	SOIL	09/28/89	09/27/89	10/07/89	0		11/17/89	1	e	170000	E	ug/kg
8909101	SOIL	09/28/89	09/27/89	10/06/89	0		11/04/89	0		130000		ug/kg
8909111	SOIL	09/29/89	09/27/89	10/12/89	1	a	12/12/89	21	e	150000		ug/kg
		No analysis -- COCs reveal that sample was not shipped.										
8909088	SOIL	09/27/89	09/26/89	12/13/89	64	c	01/10/90	0		10000		ug/kg
8909089	SOIL	09/27/89	09/26/89	10/07/89	0		11/16/89	0		10000		ug/kg

Summary of Pentachlorophenol Data for the Soil Washer

Low Soil Test

Raw Data

(With Holding Time Analysis)

MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Penta-chloro-phenol	Q	Units
8909089	SOIL	09/27/89	09/26/89	10/07/89	0		11/16/89	0		9400		ug/kg
8909090	SOIL	09/27/89	09/26/89	10/03/89	0		11/13/89	1	e	38000	J	ug/kg
8909090	SOIL	09/27/89	09/26/89	10/04/89	0		11/14/89	1	e	5300	J	ug/kg
8909102	SOIL	09/28/89	09/26/89	11/04/89	25	a	11/27/89	0		11000		ug/kg
8909101	SOIL	09/28/89	09/27/89	12/13/89	63	c	01/06/90	0		12000		ug/kg
8909102	SOIL	09/28/89	09/27/89	12/13/89	63	c	01/06/90	0		19000		ug/kg
8909102	SOIL	09/28/89	09/27/89	10/06/89	0		11/05/89	0		140000		ug/kg
8909102	SOIL	09/28/89	09/27/89	10/06/89	0		11/04/89	0		240000	U	ug/kg

Summary of Pentachlorophenol Data for the Soil Washer
High Soil Test
Raw Data
(With Holding Time Analysis)

SAIC #		MPELI #	SOIL/ AQUEOUS	DATE* RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Penta-chloro-phenol	Q	Units
SPH-01-00	PNA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/23/89	0		48000	U	ug/kg
SPH-01-00		8909085	SOIL	09/26/89	09/24/89	10/05/89	0		10/27/89	0		130000		ug/kg
SPH-02-00		8909085	SOIL	09/26/89	09/24/89	10/05/89	0		10/27/89	0		380000		ug/kg
SPH-02-00	PNA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/16/89	0		48000	U	ug/kg
SPH-03-00		8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/28/89	0		660000		ug/kg
SPH-03-00	PNA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/23/89	0		48000	U	ug/kg
SPH-04-00		8909085	SOIL	09/26/89	09/24/89	10/05/89	0		11/07/89	0		980000	E	ug/kg
SPH-04-00	DL	8909085	SOIL	09/26/89	09/24/89	10/05/89	0		02/12/90	90	h	650000	D	ug/kg
SPH-05-00		8909085	SOIL	09/26/89	09/24/89	10/04/89	0		11/03/89	0		170000		ug/kg
SPH-05-00	PNA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/24/89	0		48000	U	ug/kg
SPH-06-00	PNA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/24/89	0		48000	U	ug/kg
SPH-06-00		8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/28/89	0		570000		ug/kg
SPH-07-00	PNA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/24/89	0		48000	U	ug/kg
SPH-07-00		8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/28/89	0		560000		ug/kg
SPH-08-00	PNA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/24/89	0		48000	U	ug/kg
SPH-08-00		8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/28/89	0		830000		ug/kg
SPH-09-00		8909085	SOIL	09/26/89	09/24/89	10/05/89	0		02/13/90	91	h	500000		ug/kg
SPH-09-00	PNA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/24/89	0		48000	U	ug/kg
SPH-10-00		8909085	SOIL	09/26/89	09/24/89	10/04/89	0		11/02/89	0		810000	E	ug/kg
SPH-10-00	DL	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/28/89	0		660000	D	ug/kg
SPH-10-00	PNA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/23/89	0		48000	U	ug/kg
SPH-11-00	PNA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/23/89	0		48000	U	ug/kg
SPH-11-00		8909085	SOIL	09/26/89	09/24/89	10/05/89	0		10/27/89	0		590000		ug/kg
SPH-12-00		8909085	SOIL	09/26/89	09/24/89	10/05/89	0		10/27/89	0		440000		ug/kg
SPH-12-00	PNA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/23/89	0		48000	U	ug/kg
SPH-C-00		8909085	SOIL	09/26/89	09/24/89	10/04/89	0		11/01/89	0		910000	E	ug/kg
SPH-C-00	PNA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/24/89	0		48000	U	ug/kg
SPH-C-00	DL	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/28/89	0		600000	D	ug/kg
SWH-ATW-01-01		8910005	AQUEOUS	10/03/89	09/30/89	10/03/89	0		10/24/89	0		3100	E	ug/L
SWH-ATW-01-01	DL	8910005	AQUEOUS	10/03/89	09/30/89	10/03/89	0		10/29/89	0		2400	D	ug/L

Summary of Pentachlorophenol Data for the Soil Washer
High Soil Test
Raw Data
(With Holding Time Analysis)

SAIC #	MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Penta-chloro-phenol	Q	Units
SWH-ATW-01-02 DL	8910005	AQUEOUS	10/03/89	10/01/89	10/03/89	0		10/29/89	0		3900	D	ug/L
SWH-ATW-01-02	8910005	AQUEOUS	10/03/89	10/01/89	10/03/89	0		10/24/89	0		4000	E	ug/L
SWH-ATW-02-01 DL	8910015	AQUEOUS	10/03/89	10/01/89	11/16/89	39	b	02/26/90	62	g	2700	D	ug/L
SWH-ATW-02-01	8910015	AQUEOUS	10/03/89	10/01/89	11/16/89	39	b	01/31/90	36	f	2400	E	ug/L
SWH-ATW-02-02	8910005	AQUEOUS	10/03/89	10/01/89	12/01/89	54	b	12/30/89	0		3600	E	ug/L
SWH-ATW-02-02 DL	8910005	AQUEOUS	10/03/89	10/01/89	12/01/89	54	b	01/08/90	0		4200	D	ug/L
SWH-ATW-04-01	8910032	AQUEOUS	10/05/89	10/03/89	10/09/89	0		11/10/89	0		2600	E	ug/L
SWH-ATW-04-01 DL	8910032	AQUEOUS	10/05/89	10/03/89	10/09/89	0		11/10/89	0		2300	D	ug/L
SWH-ATW-04-02	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		12/30/89	42	f	2600	E	ug/L
SWH-ATW-04-02 DL	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		01/07/90	50	f	2900	D	ug/L
SWH-ATW-04-06	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		12/22/89	34	f	2000	E	ug/L
SWH-ATW-04-06 DL	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		02/15/90	89	h	1600	D	ug/L
SWH-ATW-04-07 DL	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		02/15/90	89	h	1800	D	ug/L
SWH-ATW-04-07	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		12/28/89	40	f	2400	E	ug/L
SWH-ATW-04-08 DL	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		01/07/90	50	f	2600	D	ug/L
SWH-ATW-04-08	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		12/23/89	35	f	2500	E	ug/L
SWH-ATW-05-01 DL	8910046	AQUEOUS	10/06/89	10/04/89	12/01/89	51	b	12/23/89	0		2800	D	ug/L
SWH-ATW-05-01	8910046	AQUEOUS	10/06/89	10/04/89	12/01/89	51	b	12/17/89	0		2300	E	ug/L
SWH-ATW-06-01	8910056	AQUEOUS	10/07/89	10/05/89	12/04/89	53	b	01/31/90	18	e	2300		ug/L
SWH-ATW-06-02	8910057	AQUEOUS	10/07/89	10/06/89	12/04/89	52	b	01/24/90	11	e	3100	E	ug/L
SWH-ATW-06-02 DL	8910057	AQUEOUS	10/07/89	10/06/89	12/04/89	52	b	01/30/90	17	e	2200	D	ug/L
SWH-CDE-01-01 DL	8910014	AQUEOUS	10/03/89	09/30/89	10/05/89	0		11/09/89	0		99000	D	ug/L
SWH-CDE-01-01	8910014	AQUEOUS	10/03/89	09/30/89	10/05/89	0		11/08/89	0		63000	E	ug/L
SWH-CDE-01-02 DL	8910012	AQUEOUS	10/03/89	09/30/89	10/05/89	0		11/09/89	0		170000	D	ug/L
SWH-CDE-01-02	8910012	AQUEOUS	10/03/89	09/30/89	10/05/89	0		11/06/89	0		73000	E	ug/L
SWH-CDE-01-04	8910013	AQUEOUS	10/03/89	09/30/89	11/16/89	40	b	02/02/90	38	f	31000	E	ug/L
SWH-CDE-01-04 DL	8910013	AQUEOUS	10/03/89	09/30/89	11/16/89	40	b	02/22/90	58	g	68000	DE	ug/L
SWH-CDE-02-01 DL	8910012	AQUEOUS	10/03/89	10/01/89	10/05/89	0		11/08/89	0		110000	D	ug/L
SWH-CDE-02-01	8910012	AQUEOUS	10/03/89	10/01/89	10/05/89	0		11/06/89	0		54000	E	ug/L
SWH-CDE-02-02	8910012	AQUEOUS	10/03/89	10/01/89	10/05/89	0		11/06/89	0		60000	E	ug/L

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Summary of Pentachlorophenol Data for the Soil Washer
High Soil Test
Raw Data
(With Holding Time Analysis)

SAIC #	MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Penta-chloro-phenol	Q	Units
SWH-CDE-02-02 DL	8910012	AQUEOUS	10/03/89	10/01/89	10/05/89	0		11/08/89	0		120000	D	ug/L
SWH-CDE-02-03 REDL	8910012	AQUEOUS	10/03/89	10/01/89	02/07/90	122	d	02/16/90	0		23000	D	ug/L
SWH-CDE-02-03 RE	8910012	AQUEOUS	10/03/89	10/01/89	02/07/90	122	d	03/03/90	0		100000	E	ug/L
SWH-CDE-02-03	8910012	AQUEOUS	10/03/89	10/01/89	10/05/89	0		03/02/90	108	h	67000	E	ug/L
SWH-CDE-02-04	8910011	AQUEOUS	10/03/89	10/01/89	10/03/89	0		10/28/89	0		48000	E	ug/L
SWH-CDE-02-04 DL	8910011	AQUEOUS	10/03/89	10/01/89	10/03/89	0		11/03/89	0		61000	D	ug/L
SWH-CDE-04-01 DL	8910022	AQUEOUS	10/04/89	10/03/89	10/09/89	0		01/25/90	68	g	48000	D	ug/L
SWH-CDE-04-01	8910025	AQUEOUS	10/04/89	10/03/89	10/09/89	0		01/24/90	67	g	52000	EX	ug/L
SWH-CDE-04-02	8910030	AQUEOUS	10/05/89	10/03/89	02/07/90	120	d	02/14/90	0		82000	E	ug/L
SWH-CDE-04-02 DL	8910030	AQUEOUS	10/05/89	10/03/89	02/07/90	120	d	02/21/90	0		52000	D	ug/L
SWH-CDE-04-03 DL	8910032	AQUEOUS	10/05/89	10/04/89	10/09/89	0		01/26/90	69	g	43000	D	ug/L
SWH-CDE-04-03	8910032	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/10/89	0		81000	E	ug/L
SWH-CDE-04-04	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		12/22/89	34	f	37000	E	ug/L
SWH-CDE-04-04 DL	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		01/08/90	51	f	45000	D	ug/L
SWH-CDE-04-06 SP03	8910032	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/10/89	0		70000	E	ug/L
SWH-CDE-04-06 DL-SP03	8910032	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/10/89	0		47000	D	ug/L
SWH-CDE-04-07 SP03	8910032	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/10/89	0		71000	E	ug/L
SWH-CDE-04-07 DL-SP03	8910032	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/10/89	0		42000	D	ug/L
SWH-CDE-04-08 DL-SP03	8910032	AQUEOUS	10/05/89	10/04/89	10/09/89	0		02/26/90	100	h	55000	D	ug/L
SWH-CDE-04-08 SP03	8910032	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/15/89	0		21000	E	ug/L
SWH-CDE-05-01 DL	8910038	AQUEOUS	10/05/89	10/04/89	10/09/89	0		01/22/90	65	g	59000	D	ug/L
SWH-CDE-05-01	8910038	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/10/89	0		77000	E	ug/L
SWH-CDE-05-02	8910055	AQUEOUS	10/06/89	10/04/89	11/16/89	36	b	02/01/90	37	f	47000	E	ug/L
SWH-CDE-05-02 DL	8910055	AQUEOUS	10/06/89	10/04/89	11/16/89	36	b	02/01/90	37	f	77000	D	ug/L
SWH-CDE-05-03 DL	8910046	AQUEOUS	10/06/89	10/05/89	12/01/89	50	b	12/23/89	0		63000	D	ug/L
SWH-CDE-05-03	8910046	AQUEOUS	10/06/89	10/05/89	12/01/89	50	b	12/18/89	0		57000	E	ug/L
SWH-CDE-05-04 DL	8910051	AQUEOUS	10/06/89	10/05/89	12/01/89	50	b	01/10/90	0		44000	D	ug/L
SWH-CDE-05-04	8910051	AQUEOUS	10/06/89	10/05/89	12/01/89	50	b	01/09/90	0		20000	E	ug/L
SWH-CDE-05-04 RE	8910051	AQUEOUS	10/06/89	10/05/89	02/28/90	139	d	03/04/90	0		45000		ug/L
SWH-CDE-05-04 REDL	8910051	AQUEOUS	10/06/89	10/05/89	02/28/90	139	d	03/05/90	0		40000	D	ug/L

000319

Summary of Pentachlorophenol Data for the Soil Washer
High Soil Test
Raw Data
(With Holding Time Analysis)

SAIC #	MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Penta-chloro-phenol	Q	Units
SWH-CDE-05-05 SP01	8910038	AQUEOUS	10/05/89	10/04/89	10/09/89	0		01/21/90	64	g	44000	E	ug/L
SWH-CDE-05-05 DL-SP01	8910038	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/15/89	0		39000	D	ug/L
SWH-CDE-05-06 DL-SP01	8910038	AQUEOUS	10/05/89	10/04/89	10/09/89	0		01/21/90	64	g	41000	D	ug/L
SWH-CDE-05-06 SP01	8910038	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/10/89	0		71000	E	ug/L
SWH-CDE-05-07 SP01	8910038	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/11/89	0		90000	E	ug/L
SWH-CDE-05-07 DL-SP01	8910038	AQUEOUS	10/05/89	10/04/89	10/09/89	0		01/27/90	70	g	66000	D	ug/L
SWH-CDE-06-01 DL	8910045	AQUEOUS	10/06/89	10/05/89	12/01/89	50	b	12/23/89	0		63000	D	ug/L
SWH-CDE-06-01	8910045	AQUEOUS	10/06/89	10/05/89	12/01/89	50	b	12/17/89	0		29000	E	ug/L
SWH-CDE-06-02 DL	8910058	AQUEOUS	10/07/89	10/05/89	12/04/89	53	b	01/23/90	10	e	51000	D	ug/L
SWH-CDE-06-02	8910058	AQUEOUS	10/07/89	10/05/89	12/04/89	53	b	01/23/90	10	e	46000	E	ug/L
SWH-CDE-06-03 RE	8910058	AQUEOUS	10/07/89	10/06/89	01/30/90	109	d	02/03/90	0		78000	E	ug/L
SWH-CDE-06-03 REDL	8910058	AQUEOUS	10/07/89	10/06/89	01/30/90	109	d	02/05/90	0		89000	D	ug/L
SWH-CDE-06-03 DL	8910058	AQUEOUS	10/07/89	10/06/89	12/04/89	52	b	02/16/90	34	f	36000	D	ug/L
SWH-CDE-06-03	8910058	AQUEOUS	10/07/89	10/06/89	12/04/89	52	b	01/25/90	12	e	52000	E	ug/L
SWH-CO-01-01	8910013	SOIL	10/03/89	09/30/89	10/12/89	0		01/23/90	63	g	1100000	E	ug/kg
SWH-CO-01-01 DL	8910013	SOIL	10/03/89	09/30/89	10/12/89	0		01/30/90	70	g	1500000	D	ug/kg
SWH-CO-01-02 DL	8910015	SOIL	10/03/89	09/30/89	10/09/89	0		02/21/90	95	h	1200000	D	ug/kg
SWH-CO-01-02	8910015	SOIL	10/03/89	09/30/89	10/09/89	0		02/20/90	94	h	670000	E	ug/kg
SWH-CO-01-04	8910014	SOIL	10/03/89	10/01/89	10/06/89	0		11/04/89	0		1100000		ug/kg
SWH-CO-02-01	8910005	SOIL	10/03/89	10/01/89	10/12/89	0		02/02/90	73	g	950000	E	ug/kg
SWH-CO-02-01 DL	8910005	SOIL	10/03/89	10/01/89	10/12/89	0		02/02/90	73	g	1000000	D	ug/kg
SWH-CO-02-02	8910011	SOIL	10/03/89	10/01/89	02/07/90	115	d	02/14/90	0		1500000	E	ug/kg
SWH-CO-02-02 DL	8910011	SOIL	10/03/89	10/01/89	02/07/90	115	d	02/14/90	0		1500000	D	ug/kg
SWH-CO-02-03	8910011	SOIL	10/03/89	10/01/89	11/07/89	23	a	11/28/89	0		710000	E	ug/kg
SWH-CO-02-03 DL	8910011	SOIL	10/03/89	10/01/89	11/07/89	23	a	12/30/89	13	e	680000	D	ug/kg
SWH-CO-02-04	8910015	SOIL	10/03/89	10/01/89	10/09/89	0		02/20/90	94	h	830000	E	ug/kg
SWH-CO-02-04 DL	8910015	SOIL	10/03/89	10/01/89	10/09/89	0		02/20/90	94	h	1400000	D	ug/kg
SWH-CO-04-01 DL	8910022	SOIL	10/04/89	10/03/89	11/07/89	21	a	01/25/90	39	f	1400000	D	ug/kg
SWH-CO-04-01	8910022	SOIL	10/04/89	10/03/89	11/07/89	21	a	01/31/90	45	f	870000	E	ug/kg
SWH-CO-04-02	8910037	SOIL	10/05/89	10/03/89	11/17/89	31	b	12/20/89	0		1800000	E	ug/kg

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Summary of Pentachlorophenol Data for the Soil Washer
High Soil Test
Raw Data
(With Holding Time Analysis)

SAIC #		MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Penta-chloro-phenol	Q	Units
SWH-CO-04-02	DL	8910037	SOIL	10/05/89	10/03/89	11/17/89	31	b	01/10/90	14	e	1600000	D	ug/kg
SWH-CO-04-03		8910030	SOIL	10/05/89	10/04/89	10/09/89	0		02/16/90	90	h	2800000	E	ug/kg
SWH-CO-04-03	DL	8910030	SOIL	10/05/89	10/04/89	10/09/89	0		01/26/90	69	g	1300000	D	ug/kg
SWH-CO-04-04		8910030	SOIL	10/05/89	10/04/89	10/09/89	0		01/25/90	68	g	2600000	E	ug/kg
SWH-CO-04-04	DL	8910030	SOIL	10/05/89	10/04/89	10/09/89	0		02/16/90	90	h	150000	D	ug/kg
SWH-CO-05-01		8910050	SOIL	10/06/89	10/04/89	10/19/89	1	a	03/01/90	93	h	1900000	E	ug/kg
SWH-CO-05-01	DL	8910050	SOIL	10/06/89	10/04/89	10/19/89	1	a	03/02/90	94	h	1300000	D	ug/kg
SWH-CO-05-02	DL	8910046	SOIL	10/06/89	10/04/89	01/29/90	103	d	02/14/90	0		2000000	D	ug/kg
SWH-CO-05-02		8910046	SOIL	10/06/89	10/04/89	01/30/90	104	d	02/23/90	0		860000	E	ug/kg
SWH-CO-05-03		8910050	SOIL	10/06/89	10/05/89	10/17/89	0		11/30/89	4	e	2700000	E	ug/kg
SWH-CO-05-03	DL	8910050	SOIL	10/06/89	10/05/89	10/17/89	0		01/10/90	45	f	1400000	D	ug/kg
SWH-CO-05-04	DL	8910045	SOIL	10/06/89	10/05/89	10/19/89	0		01/24/90	57	g	1000000	D	ug/kg
SWH-CO-05-04		8910045	SOIL	10/06/89	10/05/89	10/19/89	0		11/27/89	0		760000	E	ug/kg
SWH-CO-05-05	DL-SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		11/30/89	4	e	860000	D	ug/kg
SWH-CO-05-05	SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		11/29/89	3	e	1200000	E	ug/kg
SWH-CO-05-06	DL-SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		11/30/89	4	e	1200000	D	ug/kg
SWH-CO-05-06	SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		12/05/89	9	e	1500000	E	ug/kg
SWH-CO-05-07	DL-SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		11/30/89	4	e	920000	D	ug/kg
SWH-CO-05-07	SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		11/29/89	3	e	1100000	E	ug/kg
SWH-CO-06-01		8910045	SOIL	10/06/89	10/05/89	10/19/89	0		02/01/90	65	g	1600000	E	ug/kg
SWH-CO-06-01	DL	8910045	SOIL	10/06/89	10/05/89	10/19/89	0		01/31/90	64	g	3400000	D	ug/kg
SWH-CO-06-02	DL	8910057	SOIL	10/07/89	10/05/89	10/19/89	0		01/30/90	63	g	2100000	D	ug/kg
SWH-CO-06-02		8910057	SOIL	10/07/89	10/05/89	10/19/89	0		12/01/89	3	e	2900000	E	ug/kg
SWH-CO-06-03	DL	8910057	SOIL	10/07/89	10/06/89	10/19/89	0		01/30/90	63	g	1800000	D	ug/kg
SWH-CO-06-03		8910057	SOIL	10/07/89	10/06/89	10/19/89	0		12/01/89	3	e	2900000	E	ug/kg
SWH-DPS		8910046	SOIL	10/06/89	10/05/89	11/16/89	28	a	12/22/89	0		210		ug/kg
SWH-EQB-02-01		8910015	AQUEOUS	10/03/89	10/01/89	12/01/89	54	b	12/17/89	0		50	U	ug/L
SWH-EQB-05-01		8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/30/89	12	e	52	U	ug/L
SWH-EQB-05-06	SP01	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		12/22/89	34	f	50	U	ug/L
SWH-EQB-05-07	SP01	8910055	AQUEOUS	10/06/89	10/04/89	10/11/89	0		02/09/90	81	g	50	U	ug/L

Summary of Pentachlorophenol Data for the Soil Washer
High Soil Test
Raw Data
(With Holding Time Analysis)

SAIC #	MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Penta-chloro-phenol	Q	Units
SWH-EQB-05-08 SP01	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		12/22/89	34	f	58	U	ug/L
SWH-FO-01-01 DL	8910013	SOIL	10/03/89	09/30/89	11/07/89	24	a	01/23/90	37	f	460000	D	ug/kg
SWH-FO-01-01	8910013	SOIL	10/03/89	09/30/89	11/07/89	24	a	01/23/90	37	f	510000	E	ug/kg
SWH-FO-01-02	8910005	SOIL	10/03/89	09/30/89	11/04/89	21	a	01/15/90	32	f	510000	E	ug/kg
SWH-FO-01-02 DL	8910005	SOIL	10/03/89	09/30/89	11/04/89	21	a	01/19/90	36	f	430000	D	ug/kg
SWH-FO-01-04	8910013	SOIL	10/03/89	10/01/89	11/07/89	23	a	11/28/89	0		480000	E	ug/kg
SWH-FO-01-04 DL	8910013	SOIL	10/03/89	10/01/89	11/07/89	23	a	01/24/90	38	f	520000	D	ug/kg
SWH-FO-02-01	8910005	SOIL	10/03/89	10/01/89	11/04/89	20	a	11/27/89	0		720000	E	ug/kg
SWH-FO-02-01 DL	8910005	SOIL	10/03/89	10/01/89	11/14/89	30	b	01/15/90	22	e	660000	D	ug/kg
SWH-FO-02-02 DL	8910014	SOIL	10/03/89	10/01/89	11/07/89	23	a	01/30/90	44	f	1100000	D	ug/kg
SWH-FO-02-02	8910014	SOIL	10/03/89	10/01/89	11/07/89	23	a	01/25/90	39	f	1700000	E	ug/kg
SWH-FO-02-03	8910011	SOIL	10/03/89	10/01/89	11/07/89	23	a	11/22/89	0		290000		ug/kg
SWH-FO-02-04	8910015	SOIL	10/03/89	10/01/89	11/07/89	23	a	03/04/90	77	g	1200000	E	ug/kg
SWH-FO-02-04 DL	8910015	SOIL	10/03/89	10/01/89	11/07/89	23	a	11/28/89	0		520000	D	ug/kg
SWH-FO-04-01	8910022	SOIL	10/04/89	10/03/89	11/07/89	21	a	01/25/90	39	f	1000000	E	ug/kg
SWH-FO-04-01 DL	8910022	SOIL	10/04/89	10/03/89	11/07/89	21	a	01/30/90	44	f	650000	D	ug/kg
SWH-FO-04-02 DL	8910037	SOIL	10/05/89	10/03/89	11/17/89	31	b	02/01/90	36	f	660000	D	ug/kg
SWH-FO-04-02	8910037	SOIL	10/05/89	10/03/89	11/17/89	31	b	01/31/90	35	f	680000	E	ug/kg
SWH-FO-04-03	8910032	SOIL	10/05/89	10/04/89	11/17/89	30	b	12/20/89	0		950000	E	ug/kg
SWH-FO-04-03 DL	8910032	SOIL	10/05/89	10/04/89	11/17/89	30	b	01/26/90	30	f	1100000	D	ug/kg
SWH-FO-04-04	8910030	SOIL	10/05/89	10/04/89	11/17/89	30	b	01/10/90	14	e	670000	E	ug/kg
SWH-FO-04-04 DL	8910030	SOIL	10/05/89	10/04/89	11/17/89	30	b	12/28/89	1	e	570000	D	ug/kg
SWH-FO-05-01	8910050	SOIL	10/06/89	10/04/89	10/19/89	1	a	11/17/89	0		990000	E	ug/kg
SWH-FO-05-01 DL	8910050	SOIL	10/06/89	10/04/89	10/19/89	1	a	03/02/90	94	h	1400000	D	ug/kg
SWH-FO-05-02	8910050	SOIL	10/06/89	10/04/89	10/19/89	1	a	11/17/89	0		660000	E	ug/kg
SWH-FO-05-02 DL	8910050	SOIL	10/06/89	10/04/89	10/19/89	1	a	01/10/90	43	f	910000	D	ug/kg
SWH-FO-05-03	8910050	SOIL	10/06/89	10/05/89	10/17/89	0		11/30/89	4	e	2200000	E	ug/kg
SWH-FO-05-03 DL	8910050	SOIL	10/06/89	10/05/89	10/17/89	0		01/10/90	45	f	910000	D	ug/kg
SWH-FO-05-04	8910045	SOIL	10/06/89	10/05/89	10/19/89	0		11/27/89	0		940000	E	ug/kg
SWH-FO-05-04 DL	8910045	SOIL	10/06/89	10/05/89	10/19/89	0		01/24/90	57	g	1300000	D	ug/kg

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Summary of Pentachlorophenol Data for the Soil Washer
High Soil Test
Raw Data
(With Holding Time Analysis)

SAIC #		HPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Penta-chloro-phenol	Q	Units
SWH-FO-05-05	SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		11/30/89	4	e	1400000	E	ug/kg
SWH-FO-05-05	DL-SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		12/01/89	5	e	1100000	D	ug/kg
SWH-FO-05-06	SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		11/30/89	4	e	1400000	E	ug/kg
SWH-FO-05-06	DL-SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		12/01/89	5	e	1200000	D	ug/kg
SWH-FO-05-07	DL-SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		12/01/89	5	e	1700000	D	ug/kg
SWH-FO-05-07	SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		11/29/89	3	e	1400000	E	ug/kg
SWH-FO-06-01	DL	8910045	SOIL	10/06/89	10/05/89	10/19/89	0		01/24/90	57	g	1300000	D	ug/kg
SWH-FO-06-01		8910045	SOIL	10/06/89	10/05/89	10/19/89	0		11/27/89	0		1100000	E	ug/kg
SWH-FO-06-02	DL	8910056	SOIL	10/07/89	10/05/89	10/17/89	0		12/06/89	10	e	1300000	D	ug/kg
SWH-FO-06-02		8910056	SOIL	10/07/89	10/05/89	10/17/89	0		11/30/89	4	e	2200000	E	ug/kg
SWH-FO-06-03		8910056	SOIL	10/07/89	10/06/89	10/17/89	0		12/01/89	5	e	1800000	E	ug/kg
SWH-FO-06-03	DL	8910056	SOIL	10/07/89	10/06/89	10/17/89	0		12/06/89	10	e	1500000	DE	ug/kg
SWH-FPC-01-01		8910013	SOIL	10/03/89	09/30/89	10/12/89	0		01/02/90	42	f	1300000	E	ug/kg
SWH-FPC-01-01	DL	8910013	SOIL	10/03/89	09/30/89	10/12/89	0		01/05/90	45	f	1200000	D	ug/kg
SWH-FPC-01-02		8910015	SOIL	10/03/89	09/30/89	10/09/89	0		02/20/90	94	h	1100000	E	ug/kg
SWH-FPC-01-02	DL	8910015	SOIL	10/03/89	09/30/89	10/09/89	0		02/21/90	95	h	1400000	D	ug/kg
SWH-FPC-01-04		8910014	SOIL	10/03/89	10/01/89	10/06/89	0		11/04/89	29	f	1400000		ug/kg
SWH-FPC-02-02		8910014	SOIL	10/03/89	10/01/89	10/06/89	0		11/04/89	0		910000		ug/kg
SWH-FPC-02-03		8910013	SOIL	10/03/89	10/01/89	10/12/89	0		01/02/90	42	f	1500000	E	ug/kg
SWH-FPC-02-03	DL	8910013	SOIL	10/03/89	10/01/89	10/12/89	0		01/05/90	45	f	1400000	D	ug/kg
SWH-FPC-02-04		8910014	SOIL	10/03/89	10/01/89	10/06/89	0		11/05/89	0		1000000		ug/kg
SWH-FPC-04-01		8910022	SOIL	10/04/89	10/03/89	11/07/89	21	a	01/25/90	39	f	2700000	E	ug/kg
SWH-FPC-04-01	DL	8910022	SOIL	10/04/89	10/03/89	11/09/89	23	a	11/28/89	0		520000	D	ug/kg
SWH-FPC-04-02	DL	8910037	SOIL	10/05/89	10/03/89	11/17/89	31	b	01/26/90	30	f	1900000	D	ug/kg
SWH-FPC-04-02		8910037	SOIL	10/05/89	10/03/89	11/17/89	31	b	01/10/90	14	e	2000000	E	ug/kg
SWH-FPC-04-03	DL	8910030	SOIL	10/05/89	10/04/89	10/09/89	0		02/15/90	89	h	1500000	D	ug/kg
SWH-FPC-04-03		8910030	SOIL	10/05/89	10/04/89	10/09/89	0		01/25/90	68	g	2400000	E	ug/kg
SWH-FPC-04-04		8910030	SOIL	10/05/89	10/04/89	10/09/89	0		02/16/90	90	h	4000000	E	ug/kg
SWH-FPC-04-04	DL	8910030	SOIL	10/05/89	10/04/89	10/09/89	0		01/26/90	69	g	1600000	D	ug/kg
SWH-FPC-05-01	RE	8910038	SOIL	10/05/89	10/04/89	01/29/90	103	d	02/23/90	0		1400000	E	ug/kg

Summary of Pentachlorophenol Data for the Soil Washer
High Soil Test
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SAIC #	MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Penta-chloro-phenol	Q	Units
SWH-FPC-05-01 DL	8910038	SOIL	10/05/89	10/04/89	11/17/89	30	b	02/22/90	57	g	15000000	D	ug/kg
SWH-FPC-05-01	8910038	SOIL	10/05/89	10/04/89	11/17/89	30	b	01/11/90	15	e	12000000	E	ug/kg
SWH-FPC-05-01 REDL	8910038	SOIL	10/05/89	10/04/89	01/29/90	103	d	02/07/90	0		2100000	D	ug/kg
SWH-FPC-05-02 DL	8910046	SOIL	10/06/89	10/04/89	10/19/89	1	a	01/24/90	57	g	680000	D	ug/kg
SWH-FPC-05-02	8910046	SOIL	10/06/89	10/04/89	10/19/89	1	a	11/17/89	0		690000	E	ug/kg
SWH-FPC-05-03	8910046	SOIL	10/06/89	10/05/89	10/19/89	0		01/31/90	64	g	1900000	E	ug/kg
SWH-FPC-05-03 DL	8910046	SOIL	10/06/89	10/05/89	10/19/89	0		02/01/90	65	g	1800000	D	ug/kg
SWH-FPC-05-04 DL	8910046	SOIL	10/06/89	10/05/89	10/19/89	0		01/30/90	63	g	1600000	D	ug/kg
SWH-FPC-05-04	8910046	SOIL	10/06/89	10/05/89	12/01/89	43	b	01/30/90	20	e	1600000	E	ug/kg
SWH-FPC-05-05 DL-SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		12/01/89	5	e	2200000	D	ug/kg
SWH-FPC-05-05 SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		12/01/89	5	e	2300000	E	ug/kg
SWH-FPC-05-06 SP01	8910038	SOIL	10/05/89	10/04/89	11/17/89	30	b	01/10/90	14	e	2600000	EX	ug/kg
SWH-FPC-05-06 DL-SP01	8910038	SOIL	10/05/89	10/04/89	11/17/89	30	b	01/25/90	29	f	1800000	D	ug/kg
SWH-FPC-05-07 DL-SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		12/10/89	14	e	790000	D	ug/kg
SWH-FPC-05-07 SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		11/30/89	4	e	1100000	E	ug/kg
SWH-FPC-06-01 DL	8910045	SOIL	10/06/89	10/05/89	10/19/89	0		02/02/90	66	g	630000	D	ug/kg
SWH-FPC-06-01	8910045	SOIL	10/06/89	10/05/89	10/19/89	0		02/01/90	65	g	710000	E	ug/kg
SWH-FPC-06-02 DL	8910057	SOIL	10/07/89	10/05/89	12/13/89	55	b	02/21/90	30	f	1100000	D	ug/kg
SWH-FPC-06-02	8910057	SOIL	10/07/89	10/05/89	12/13/89	55	b	02/20/90	29	f	880000	E	ug/kg
SWH-FPC-06-03	8910057	SOIL	10/07/89	10/06/89	10/19/89	0		12/01/89	3	e	2200000	E	ug/kg
SWH-FPC-06-03 DL	8910057	SOIL	10/07/89	10/06/89	10/19/89	0		01/30/90	63	g	1500000	D	ug/kg
SWH-FS-01-01	8910013	SOIL	10/03/89	09/30/89	10/12/89	0		01/02/90	42	f	730000	E	ug/kg
SWH-FS-01-01 DL	8910013	SOIL	10/03/89	09/30/89	10/12/89	0		01/05/90	45	f	730000	D	ug/kg
SWH-FS-01-02	8910015	SOIL	10/03/89	09/30/89	10/09/89	0		01/25/90	68	g	900000	E	ug/kg
SWH-FS-01-02 DL	8910015	SOIL	10/03/89	09/30/89	10/09/89	0		01/30/90	73	g	740000	D	ug/kg
SWH-FS-01-04 DL	8910005	SOIL	10/03/89	10/01/89	12/13/89	59	c	01/16/90	0		350000	D	ug/kg
SWH-FS-01-04	8910005	SOIL	10/03/89	10/01/89	12/13/89	59	c	01/15/90	0		590000	E	ug/kg
SWH-FS-02-01	8910015	SOIL	10/03/89	10/01/89	10/09/89	0		02/20/90	94	h	520000	E	ug/kg
SWH-FS-02-01 DL	8910015	SOIL	10/03/89	10/01/89	10/09/89	0		02/21/90	95	h	830000	D	ug/kg
SWH-FS-02-02	8910015	SOIL	10/03/89	10/01/89	10/09/89	0		02/20/90	94	h	120000		ug/kg

Summary of Pentachlorophenol Data for the Soil Washer
High Soil Test
Raw Data
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SAIC #		MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Penta-chloro-phenol	Q	Units
SWH-FS-02-03	DL	8910011	SOIL	10/03/89	10/01/89	11/07/89	23	a	11/28/89	0		500000	D	ug/kg
SWH-FS-02-03		8910011	SOIL	10/03/89	10/01/89	11/07/89	23	a	11/22/89	0		700000	E	ug/kg
SWH-FS-02-04	DL	8910012	SOIL	10/03/89	10/01/89	12/13/89	59	c	01/27/90	5	e	490000	D	ug/kg
SWH-FS-02-04		8910012	SOIL	10/03/89	10/01/89	12/13/89	59	c	01/23/90	1	e	510000	E	ug/kg
SWH-FS-04-01	DL	8910022	SOIL	10/04/89	10/03/89	10/09/89	0		02/02/90	76	g	480000	D	ug/kg
SWH-FS-04-01		8910022	SOIL	10/04/89	10/03/89	10/09/89	0		01/31/90	74	g	570000	E	ug/kg
SWH-FS-04-02	DL	8910032	SOIL	10/05/89	10/03/89	11/17/89	31	b	01/05/90	9	e	830000	D	ug/kg
SWH-FS-04-02		8910032	SOIL	10/05/89	10/03/89	11/17/89	31	b	12/22/89	0		860000	E	ug/kg
SWH-FS-04-03		8910032	SOIL	10/05/89	10/04/89	11/17/89	30	b	12/20/89	0		970000	E	ug/kg
SWH-FS-04-03	DL	8910032	SOIL	10/05/89	10/04/89	11/17/89	30	b	01/26/90	30	g	1100000	D	ug/kg
SWH-FS-04-04		8910030	SOIL	10/05/89	10/04/89	02/26/90	131	d	02/28/90	0		750000	E	ug/kg
SWH-FS-04-04	DL	8910030	SOIL	10/05/89	10/04/89	02/26/90	131	d	03/01/90	0		770000	D	ug/kg
SWH-FS-05-01	DL	8910038	SOIL	10/05/89	10/04/89	11/17/89	30	b	12/21/89	0		740000	D	ug/kg
SWH-FS-05-01		8910038	SOIL	10/05/89	10/04/89	11/17/89	30	b	01/15/90	19	e	1100000	E	ug/kg
SWH-FS-05-02		8910046	SOIL	10/06/89	10/04/89	10/19/89	1	a	11/17/89	0		560000	E	ug/kg
SWH-FS-05-02	DL	8910046	SOIL	10/06/89	10/04/89	10/19/89	1	a	01/24/90	57	g	680000	D	ug/kg
SWH-FS-05-03		8910046	SOIL	10/06/89	10/05/89	10/19/89	0		01/31/90	64	g	670000	E	ug/kg
SWH-FS-05-03	DL	8910046	SOIL	10/06/89	10/05/89	10/19/89	0		02/01/90	65	g	770000	D	ug/kg
SWH-FS-05-04		8910056	SOIL	10/07/89	10/05/89	10/17/89	0		11/30/89	4	e	1400000	E	ug/kg
SWH-FS-05-04	DL	8910056	SOIL	10/07/89	10/05/89	10/17/89	0		12/05/89	9	e	910000	D	ug/kg
SWH-FS-05-05	SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		11/30/89	4	e	1400000	E	ug/kg
SWH-FS-05-05	DL-SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		01/11/90	46	f	530000	D	ug/kg
SWH-FS-05-06	DL-SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		01/10/90	45	f	770000	D	ug/kg
SWH-FS-05-06	SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		11/30/89	4	e	1300000	E	ug/kg
SWH-FS-05-07	DL-SP01	8910038	SOIL	10/05/89	10/04/89	11/17/89	30	b	01/10/90	14	e	880000	D	ug/kg
SWH-FS-05-07	SP01	8910038	SOIL	10/05/89	10/04/89	11/17/89	30	b	12/20/89	0		1200000	E	ug/kg
SWH-FS-06-01	DL	8910045	SOIL	10/06/89	10/05/89	10/19/89	0		01/25/90	58	g	420000	D	ug/kg
SWH-FS-06-01		8910045	SOIL	10/06/89	10/05/89	10/19/89	0		11/27/89	0		430000	E	ug/kg
SWH-FS-06-02	DL	8910057	SOIL	10/07/89	10/05/89	10/19/89	0		01/31/90	64	g	610000	D	ug/kg
SWH-FS-06-02		8910057	SOIL	10/07/89	10/05/89	10/19/89	0		01/31/90	64	g	690000	E	ug/kg

000325

Summary of Pentachlorophenol Data for the Soil Washer
High Soil Test
Raw Data
(With Holding Time Analysis)

SAIC #		MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Penta-chloro-phenol	Q	Units
SWH-FS-06-03	DL	8910056	SOIL	10/07/89	10/06/89	10/17/89	0		01/31/90	66	g	640000	D	ug/kg
SWH-FS-06-03		8910056	SOIL	10/07/89	10/06/89	10/17/89	0		01/25/90	60	g	750000	E	ug/kg
SWH-MW-01-01		8910005	AQUEOUS	10/03/89	09/30/89	10/03/89	0		10/23/89	0		50	U	ug/L
SWH-MW-01-02		8910013	AQUEOUS	10/03/89	10/01/89	10/05/89	0		11/06/89	0		50	U	ug/L
SWH-MW-02-01		8910005	AQUEOUS	10/03/89	10/01/89	10/03/89	0		10/23/89	0		50	U	ug/L
SWH-MW-02-02		8910011	AQUEOUS	10/03/89	10/01/89	10/03/89	0		10/25/89	0		50	U	ug/L
SWH-MW-04-01		8910032	AQUEOUS	10/05/89	10/03/89	10/09/89	0		11/10/89	0		50	U	ug/L
SWH-MW-04-02		8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		12/22/89	34	f	50	U	ug/L
SWH-MW-05-01		8910046	AQUEOUS	10/06/89	10/04/89	02/14/90	126	d	02/20/90	0		50	U	ug/L
SWH-MW-05-02		8910046	AQUEOUS	10/06/89	10/05/89	10/11/89	0		01/21/90	62	g	50	U	ug/L
SWH-MW-05-06	SP02	8910046	AQUEOUS	10/06/89	10/05/89	10/11/89	0		01/30/90	71	g	50	U	ug/L
SWH-MW-05-07	SP02	8910046	AQUEOUS	10/06/89	10/05/89	10/11/89	0		11/07/89	0		50	U	ug/L
SWH-MW-05-08	SP02	8910046	AQUEOUS	10/06/89	10/05/89	10/11/89	0		11/07/89	0		50	U	ug/L
SWH-MW-06-01		8910056	AQUEOUS	10/07/89	10/05/89	10/11/89	0		02/09/90	81	g	50	U	ug/L
SWH-MW-06-02		8910057	AQUEOUS	10/07/89	10/06/89	10/11/89	0		11/07/89	0		50	U	ug/L
SWH-WS-01-01		8910005	SOIL	10/03/89	09/25/89	11/04/89	26	a	11/28/89	0		68000	E	ug/kg
SWH-WS-01-01	DL	8910005	SOIL	10/03/89	09/30/89	11/04/89	21	a	01/12/90	29	f	44000	DX	ug/kg
SWH-WS-01-02		8910015	SOIL	10/03/89	09/30/89	11/07/89	24	a	02/20/90	65	g	70000		ug/kg
SWH-WS-01-04		8910015	SOIL	10/03/89	10/01/89	11/07/89	23	a	11/21/89	0		49000		ug/kg
SWH-WS-02-01		8910013	SOIL	10/03/89	10/01/89	11/07/89	23	a	11/21/89	0		51000		ug/kg
SWH-WS-02-02	SEMI	8910011	SOIL	10/03/89	10/01/89	10/19/89	4	a	03/07/90	99	h	59000		ug/kg
SWH-WS-02-03		8910011	SOIL	10/03/89	10/01/89	11/07/89	23	a	01/25/90	39	f	73000		ug/kg
SWH-WS-02-04		8910015	SOIL	10/03/89	10/01/89	11/07/89	23	a	02/15/90	60	g	60000	E	ug/kg
SWH-WS-02-04	DL	8910015	SOIL	10/03/89	10/01/89	11/07/89	23	a	02/15/90	60	g	47000	D	ug/kg
SWH-WS-04-01		8910022	SOIL	10/04/89	10/03/89	11/07/89	21	a	01/24/90	38	f	97000		ug/kg
SWH-WS-04-02	SEMI	8910032	SOIL	10/05/89	10/03/89	11/17/89	31	b	01/15/90	19	e	70000		ug/kg
SWH-WS-04-03	DL	8910030	SOIL	10/05/89	10/04/89	02/07/90	112	d	02/13/90	0		100000	D	ug/kg
SWH-WS-04-03		8910030	SOIL	10/05/89	10/04/89	02/07/90	112	d	02/13/90	0		89000	E	ug/kg
SWH-WS-04-04		8910037	SOIL	10/05/89	10/04/89	11/17/89	30	b	12/19/89	0		92000		ug/kg
SWH-WS-05-01		8910038	SOIL	10/05/89	10/04/89	11/17/89	30	b	12/19/89	0		120000		ug/kg

000326

Summary of Pentachlorophenol Data for the Soil Washer
High Soil Test
Raw Data
(With Holding Time Analysis)

SAIC #		HPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Penta-chloro-phenol	Q	Units
SWH-WS-05-02	SEMI	8910046	SOIL	10/06/89	10/04/89	10/19/89	1	a	11/17/89	0		110000		ug/kg
SWH-WS-05-03		8910046	SOIL	10/06/89	10/05/89	10/19/89	0		11/17/89	0		92000		ug/kg
SWH-WS-05-04	DL	8910045	SOIL	10/06/89	10/05/89	10/19/89	0		01/24/90	57	g	170000	D	ug/kg
SWH-WS-05-04		8910045	SOIL	10/06/89	10/05/89	10/19/89	0		11/27/89	0		140000	E	ug/kg
SWH-WS-05-05	SP01	8910050	SOIL	10/06/89	10/04/89	10/17/89	0		01/08/90	43	f	150000	X	ug/kg
SWH-WS-05-06	SP01	8910038	SOIL	10/05/89	10/04/89	11/17/89	30	b	12/22/89	0		72000		ug/kg
SWH-WS-05-07	SP01	8910050	SOIL	10/06/89	10/04/89	10/19/89	1	a	11/29/89	1	e	110000		ug/kg
SWH-WS-06-01		8910056	SOIL	10/07/89	10/05/89	10/17/89	0		12/01/89	5	e	140000	E	ug/kg
SWH-WS-06-01	DL	8910056	SOIL	10/07/89	10/05/89	10/17/89	0		01/26/90	61	g	100000	D	ug/kg
SWH-WS-06-02	SEMI	8910057	SOIL	10/07/89	10/05/89	01/29/90	102	d	02/27/90	0		95000		ug/kg
SWH-WS-06-03		8910056	SOIL	10/07/89	10/06/89	10/17/89	0		12/01/89	5	e	130000	E	ug/kg
SWH-WS-06-03	DL	8910056	SOIL	10/07/89	10/06/89	10/17/89	0		01/30/90	65	g	110000	D	ug/kg

Summary of Polynuclear Aromatic Hydrocarbon Data for the Low Soil Test
as Reported by Acurex Corporation
(Includes Holding Time Analysis)

SAIC #		MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Units	Naphthalene	Q	Acenaphthylene	Q	Acenaphthene	Q	Fluorene	Q	Phenanthrene	Q
SPL-01-00	PNA	8909086	SOIL	09/26/89	09/24/89	10/04/89	0		10/16/89	0		ug/kg	9900	U	9900	U	9900	U	12000		37000	
SPL-01-00	PCP	8909086	SOIL	09/26/89	09/24/89	10/05/89	0		10/24/89	0		ug/kg	9900	U	9900	U	9900	U	7100	J	20000	
SPL-02-00	PCP	8909086	SOIL	09/26/89	09/24/89	10/05/89	0		02/12/90	90	h	ug/kg	9900	U	9900	U	9900	U	9900	U	14000	
SPL-02-00	PNA	8909086	SOIL	09/26/89	09/24/89	10/04/89	0		10/26/89	0		ug/kg	9900	U	9900	U	5400	J	13000		37000	
SPL-03-00	PNA	8909086	SOIL	09/26/89	09/24/89	10/04/89	0		10/23/89	0		ug/kg	9900	U	9900	U	9900	U	11000		33000	
SPL-03-00	PCP	8909086	SOIL	09/26/89	09/24/89	10/04/89	0		02/13/90	92	h	ug/kg	9900	U	9900	U	9900	U	8800	J	26000	
SPL-04-00	PCP	8909086	SOIL	09/26/89	09/24/89	10/05/89	0		11/03/89	0		ug/kg	9900	U	9900	U	9900	U	5100	J	9900	U
SPL-04-00	PNA	8909086	SOIL	09/26/89	09/24/89	10/04/89	0		10/23/89	0		ug/kg	9900	U	9900	U	2800	J	13000		41000	
SPL-05-00	PCP	8909086	SOIL	09/26/89	09/24/89	10/05/89	0		11/03/89	0		ug/kg	2800	J	9900	U	9900	U	20000		9900	U
SPL-05-00	PNA	8909086	SOIL	09/26/89	09/24/89	10/04/89	0		10/26/89	0		ug/kg	9900	U	9900	U	9900	U	8000	J	22000	
SPL-06-00	PNA	8909086	SOIL	09/26/89	09/24/89	10/04/89	0		10/24/89	0		ug/kg	9900	U	9900	U	9900	U	7300	J	22000	
SPL-06-00	PCP	8909086	SOIL	09/26/89	09/24/89	10/05/89	0		11/03/89	0		ug/kg	9900	U	9900	U	9900	U	5900	J	19000	
SPL-07-00	DL	8909086	SOIL	09/26/89	09/24/89	10/08/89	0		11/02/89	0		ug/kg	9900	U	9900	U	9900	U	12000	D	9900	U
SPL-07-00		8909086	SOIL	09/26/89	09/24/89	10/04/89	0		02/16/90	95	h	ug/kg	7900	U	7900	U	2500	J	14000		30000	
SPL-08-00	PNA	8909086	SOIL	09/26/89	09/24/89	10/04/89	0		11/02/89	0		ug/kg	9900	U	9900	U	9900	U	5600	J	14000	
SPL-08-00	PCP	8909086	SOIL	09/26/89	09/24/89	10/08/89	0		11/02/89	0		ug/kg	9900	U	9900	U	9900	U	6800	J	18000	
SPL-C-00		8909085	SOIL	09/26/89	09/24/89	10/05/89	0		10/27/89	0		ug/kg	40000	U	40000	U	16000	J	19000	J	64000	
SPL-C-00	PNA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/23/89	0		ug/kg	9900	U	9900	U	9900	U	10000		29000	
SWL-CDE-01-01	DL	8909089	AQUEOUS	09/27/89	09/25/89	09/29/89	0		10/20/89	0		ug/l	1000	U	1000	U	1000	U	1000	U	1000	U
SWL-CDE-01-01		8909089	AQUEOUS	09/27/89	09/25/89	09/29/89	0		10/12/89	0		ug/l	50	U	50	U	50	U	32	J	42	J
SWL-CDE-01-02	DL	8909089	AQUEOUS	09/27/89	09/26/89	09/29/89	0		10/20/89	0		ug/l	1000	U	1000	U	1000	U	1000	U	1000	U
SWL-CDE-01-02		8909089	AQUEOUS	09/27/89	09/26/89	09/29/89	0		10/11/89	0		ug/l	50	U	50	U	50	U	28	J	36	J
SWL-CDE-01-03	DL	8909088	AQUEOUS	09/27/89	09/26/89	09/29/89	0		10/20/89	0		ug/l	1000	U	1000	U	1000	U	1000	U	1000	U
SWL-CDE-01-03		8909088	AQUEOUS	09/27/89	09/26/89	09/29/89	0		10/20/89	0		ug/l	50	U	50	U	50	U	50	U	50	U
SWL-CDE-01-04		8909088	AQUEOUS	09/27/89	09/26/89	09/29/89	0		10/20/89	0		ug/l	50	U	50	U	50	U	47	J	110	
SWL-CDE-01-04	DL	8909088	AQUEOUS	09/27/89	09/26/89	09/29/89	0		10/20/89	0		ug/l	1000	U	1000	U	1000	U	1000	U	1000	U
SWL-CDE-02-01	DL	8909102	AQUEOUS	09/28/89	09/26/89	09/29/89	0		10/21/89	0		ug/l	1000	U	1000	U	1000	U	1000	U	1000	U
SWL-CDE-02-01		8909102	AQUEOUS	09/28/89	09/26/89	09/29/89	0		10/14/89	0		ug/l	50	U	50	U	50	U	30	J	47	J
SWL-CDE-02-02		8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		ug/l	50	U	50	U	50	U	49	J	91	
SWL-CDE-02-02	DL	8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/12/89	0		ug/l	500	U	500	U	500	U	500	U	500	U

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Summary of Polynuclear Aromatic Hydrocarbon Data for the Low Soil Test
as Reported by Acurex Corporation
(Includes Holding Time Analysis)

SAIC #	HPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Units	Naphthalene	Q	Acenaphthylene	Q	Acenaphthene	Q	Fluorene	Q	Phenanthrene	Q
SWL-CDE-02-03	8909101	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/12/89	0		ug/l	50	U	50	U	50	U	61		98	
SWL-CDE-02-03 DL	8909101	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/11/89	0		ug/l	1000	U	1000	U	1000	U	1000	U	1000	U
SWL-CDE-02-04	8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		ug/l	54	U	54	U	54	U	53	J	82	X
SWL-CDE-02-04 DL	8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/11/89	0		ug/l	540	U	540	U	540	U	540	U	540	U
SWL-CDE-02-06 DL-SP04	8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/11/89	0		ug/l	500	U	500	U	500	U	500	U	500	U
SWL-CDE-02-06 SP04	8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		ug/l	50	U	50	U	50	U	50		77	
SWL-CDE-02-07 DL-SP04	8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/11/89	0		ug/l	500	U	500	U	500	U	500	U	500	U
SWL-CDE-02-07 SP04	8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		ug/l	50	U	50	U	50	U	40	J	50	U
SWL-CDE-02-08 DL-SP04	8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/12/89	0		ug/l	500	U	500	U	500	U	500	U	500	U
SWL-CDE-02-08 SP04	8909102	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		ug/l	50	U	50	U	50	U	32	J	49	J
SWL-CO-01-01	8909089	SOIL	09/27/89	09/25/89	10/07/89	0		11/17/89	1	e	ug/kg	3800		2000	U	4600		33000		80000	E
SWL-CO-01-01 DL	8909089	SOIL	09/27/89	09/25/89	10/07/89	0		11/22/89	6	e	ug/kg	9900	U	9900	U	9900	U	26000	D	70000	D
SWL-CO-01-02	8909088	SOIL	09/27/89	09/26/89	11/04/89	25	a	11/18/89	0		ug/kg	9900	U	9900	U	9900	U	11000		30000	
SWL-CO-01-03	8909088	SOIL	09/27/89	09/26/89	10/07/89	0		11/18/89	2	e	ug/kg	1200	J	150	J	1900	J	13000		38000	XX
SWL-CO-01-03 DL	8909088	SOIL	09/26/89	09/26/89	10/07/89	0		11/16/89	0		ug/kg	9800	U	9800	U	9800	U	14000	D	33000	D
SWL-CO-01-03	8909089	SOIL	09/27/89	09/26/89	10/07/89	0		11/17/89	1	e	ug/kg	1100	J	2000	U	2100		15000		38000	
SWL-CO-01-03 DL	8909089	SOIL	09/27/89	09/26/89	10/07/89	0		11/21/89	5	e	ug/kg	7900	U	7900	U	7900	U	12000	D	34000	D
SWL-CO-01-04	8909088	SOIL	09/27/89	09/26/89	10/08/89	0		11/02/89	0		ug/kg	9900	U	9900	U	9900	U	6800	J	15000	
SWL-CO-01-04 PNA	8909088	SOIL	09/27/89	09/26/89	10/04/89	0		11/09/89	0		ug/kg	9900	U	9900	U	3900	J	51000		120000	
SWL-CO-02-01	8909103	SOIL	09/28/89	09/26/89	10/03/89	0		11/15/89	3	e	ug/kg	9900	U	9900	U	9900	U	6100	J	15000	
SWL-CO-02-02 DL	8909101	SOIL	09/28/89	09/27/89	10/12/89	1	a	12/12/89	21	e	ug/kg	9900	U	9900	U	9900	U	9300	DJ	28000	D
SWL-CO-02-02	8909101	SOIL	09/28/89	09/27/89	10/12/89	1	a	12/12/89	21	e	ug/kg	2000	U	2000	U	1900	JX	10000	X	32000	X
SWL-CO-02-03	8909101	SOIL	09/28/89	09/27/89	11/04/89	24	a	11/18/89	0		ug/kg	9600	U	9600	U	9600	U	32000		78000	
SWL-CO-02-04	8909111	SOIL	09/29/89	09/27/89	10/12/89	1	a	12/11/89	20	e	ug/kg	2000	U	2000	U	2500		16000		54000	
SWL-CO-02-04 DL	8909111	SOIL	09/29/89	09/27/89	10/12/89	1	a	12/12/89	21	e	ug/kg	20000	U	20000	U	20000	U	20000	U	41000	D
SWL-EQB-01-01	8909090	AQUEOUS	09/27/89	09/25/89	09/29/89	0		10/20/89	0		ug/l	10	U	10	U	10	U	10	U	10	U
SWL-FO-01-01 DL	8909089	SOIL	09/27/89	09/25/89	10/07/89	0		11/21/89	5	e	ug/kg	2600	U	2600	U	2600	U	6000	D	15000	D
SWL-FO-01-01	8909089	SOIL	09/27/89	09/25/89	10/07/89	0		11/16/89	0		ug/kg	470	J	1300	U	840	J	7100		19000	

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Summary of Polynuclear Aromatic Hydrocarbon Data for the Low Soil Test
as Reported by Acurex Corporation
(Includes Holding Time Analysis)

SAIC #	MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Units	Naphthalene	Q	Acenaphthylene	Q	Acenaphthene	Q	Fluorene	Q	Phenanthrene	Q
SWL-FO-01-02	8909089	SOIL	09/27/89	09/26/89	10/07/89	0		11/16/89	0		ug/kg	1800	U	1800	U	1400	J	6500		20000	
SWL-FO-01-02 DL	8909089	SOIL	09/27/89	09/26/89	10/07/89	0		11/21/89	5	e	ug/kg	3700	U	3700	U	3700	U	5500	D	18000	D
SWL-FO-01-03	8909088	SOIL	09/27/89	09/26/89	12/13/89	64	c	01/10/90	0		ug/kg	8700	U	8700	U	8700	U	17000		41000	
SWL-FO-01-03	8909089	SOIL	09/27/89	09/26/89	10/08/89	0		11/03/89	0		ug/kg	1800	J	9900	U	9900	U	33000		74000	
SWL-FO-01-04 PNA	8909090	SOIL	09/27/89	09/26/89	10/04/89	0		11/09/89	0		ug/kg	9900	U	9900	U	9900	U	28000		60000	
SWL-FO-01-04	8909090	SOIL	09/27/89	09/26/89	10/03/89	0		11/13/89	1	e	ug/kg	4400	J	9900	U	9900	U	61000		120000	
SWL-FO-02-01 DL	8909103	SOIL	09/28/89	09/26/89	10/19/89	9	a	01/19/90	52	f	ug/kg	8100	U	8100	U	8100	U	8100	U	22000	D
SWL-FO-02-01	8909103	SOIL	09/28/89	09/26/89	10/19/89	9	a	01/16/90	49	f	ug/kg	980		810	U	1300		12000		26000	E
SWL-FO-02-02	8909101	SOIL	09/28/89	09/27/89	12/13/89	63	c	01/02/90	0		ug/kg	7100	U	7100	U	7100	U	7000	J	18000	
SWL-FO-02-03	8909101	SOIL	09/28/89	09/27/89	11/04/89	24	a	11/27/89	0		ug/kg	1900	U	1900	U	720	J	5400		14000	
SWL-FO-02-03 DL	8909101	SOIL	09/28/89	09/27/89	11/04/89	24	a	11/18/89	0		ug/kg	9300	U	9300	U	9300	U	5700	DJ	15000	D
SWL-FO-02-04	8909111	SOIL	09/29/89	09/27/89	11/04/89	24	a	11/16/89	0		ug/kg	9900	U	9900	U	9900	U	16000		35000	
SWL-FPC-01-01	8909089	SOIL	09/27/89	09/25/89	12/13/89	65	c	01/02/90	0		ug/kg	10000	U	10000	U	2400	J	17000		44000	
SWL-FPC-01-02	8909088	SOIL	09/26/89	09/26/89	10/08/89	0		11/02/89	0		ug/kg	20000	U	20000	U	7100	J	53000		110000	
SWL-FPC-01-03 S_DL	8909089	SOIL	09/27/89	09/26/89	03/05/90	146	d	03/07/90	0		ug/kg	79000	U	79000	U	79000	U	79000	U	140000	D
SWL-FPC-01-03 SEMI	8909089	SOIL	09/27/89	09/26/89	03/05/90	146	d	03/07/90	0		ug/kg	7900	U	7900	U	7900	U	65000		220000	
SWL-FPC-01-03 A_DL	8909089	SOIL	09/27/89	09/26/89	10/07/89	0		02/27/90	103	h	ug/kg	20000	U	20000	U	20000	U	49000	D	120000	D
SWL-FPC-01-03 ARCH	8909089	SOIL	09/27/89	09/26/89	10/07/89	0		02/27/90	103	h	ug/kg	9800	U	9800	U	7300	J	45000		150000	
SWL-FPC-01-04	8909090	SOIL	09/27/89	09/26/89	10/03/89	0		11/13/89	1	e	ug/kg	9800	U	9800	U	9800	U	27000		71000	
SWL-FPC-01-04 DL	8909090	SOIL	09/27/89	09/26/89	10/03/89	0		11/13/89	1	e	ug/kg	49000	U	49000	U	49000	U	25000	DJ	49000	U
SWL-FPC-02-01	8910011	SOIL	10/03/89	09/26/89	11/07/89	28	a	12/11/89	0		ug/kg	9900	U	9900	U	12000	X	9900	U	50000	X
SWL-FPC-02-01	8909103	SOIL	09/28/89	09/26/89	10/03/89	0		11/13/89	1	e	ug/kg	9500	U	9500	U	7400	J	43000		120000	
SWL-FPC-02-01 DL	8909103	SOIL	09/28/89	09/26/89	10/03/89	0		03/01/90	109	h	ug/kg	19000	U	19000	U	5300	DJ	31000	D	80000	D
SWL-FPC-02-02	8909101	SOIL	09/28/89	09/27/89	10/12/89	1	a	12/12/89	21	e	ug/kg	4000	U	4000	U	7700		44000		120000	
SWL-FPC-02-02 DL	8909101	SOIL	09/28/89	09/27/89	10/12/89	1	a	12/12/89	21	e	ug/kg	20000	U	20000	U	20000	U	20000	U	62000	DX
SWL-FPC-02-03	8909101	SOIL	09/28/89	09/27/89	10/12/89	1	a	12/12/89	21	e	ug/kg	20000	U	20000	U	20000	U	44000		120000	
SWL-FPC-02-04 DL	8909102	SOIL	09/28/89	09/27/89	12/13/89	63	c	12/30/89	0		ug/kg	20000	U	20000	U	20000	U	35000	D	90000	D
SWL-FPC-02-04	8909102	SOIL	09/28/89	09/27/89	12/13/89	63	c	01/09/90	0		ug/kg	9900	U	9900	U	5600	J	37000		92000	
SWL-FS-01-01	8909089	SOIL	09/27/89	09/25/89	10/08/89	0		11/02/89	0		ug/kg	9900	U	9900	U	9900	U	13000		30000	

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Summary of Polynuclear Aromatic Hydrocarbon Data for the Low Soil Test
as Reported by Acurex Corporation
(Includes Holding Time Analysis)

SAIC #		MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Units	Naphth-alene	Q	Acenaph-thylene	Q	Acenaph-thene	Q	Fluorene	Q	Phenan-threne	Q
SWL-FS-01-02		8909089	SOIL	09/27/89	09/26/89	10/08/89	0		11/02/89	0		ug/kg	9900	U	9900	U	9900	U	13000		31000	
SWL-FS-01-03		8909089	SOIL	09/27/89	09/26/89	10/08/89	0		11/02/89	0		ug/kg	9900	U	9900	U	9900	U	12000		30000	
SWL-FS-01-03	ARCH	8909089	SOIL	09/27/89	09/26/89	10/08/89	0		11/04/89	0		ug/kg	9900	U	9900	U	9900	U	12000		26000	
SWL-FS-01-04		8909090	SOIL	09/27/89	09/26/89	10/03/89	0		11/13/89	1	e	ug/kg	9700	U	9700	U	2600	J	16000		45000	
SWL-FS-02-01		8909103	SOIL	09/28/89	09/26/89	10/03/89	0		11/13/89	1	e	ug/kg	9300	U	9300	U	2700	J	17000		48000	
SWL-FS-02-02		8909101	SOIL	09/28/89	09/27/89	12/13/89	63	c	12/31/89	0		ug/kg	4000	U	4000	U	1800	J	4700		9500	
SWL-FS-02-02	DL	8909101	SOIL	09/28/89	09/27/89	12/13/89	63	c	01/19/90	0		ug/kg	7900	U	7900	U	7900	U	7900	U	7900	U
SWL-FS-02-03	SEMI	8909101	SOIL	09/28/89	09/27/89	10/06/89	0		11/04/89	0		ug/kg	9900	U	9900	U	9900	U	14000		33000	
SWL-FS-02-03	ARCH	8909101	SOIL	09/28/89	09/27/89	10/07/89	0		11/17/89	1	e	ug/kg	2000	U	2000	U	1800	J	12000		30000	
SWL-FS-02-03	ARCDL	8909101	SOIL	09/28/89	09/27/89	10/07/89	0		01/15/90	60	g	ug/kg	9900	U	9900	U	9900	U	8800	DJ	9900	U
SWL-FS-02-04		8909111	SOIL	09/29/89	09/27/89	10/12/89	1	a	12/12/89	21	e	ug/kg	9900	U	9900	U	9900	U	9900	U	24000	
SWL-MW-01-01		8909088	AQUEOUS	09/27/89	09/25/89	09/29/89	0		10/20/89	0		ug/l	10	U	10	U	10	U	10	U	10	U
SWL-MW-01-02		8909088	AQUEOUS	09/27/89	09/26/89	09/29/89	0		10/20/89	0		ug/l	10	U	10	U	10	U	10	U	10	U
SWL-MW-02-01		8909102	AQUEOUS	09/28/89	09/26/89	09/29/89	0		10/12/89	0		ug/l	10	U	10	U	10	U	10	U	10	U
SWL-MW-02-02		8909103	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		ug/l	10	U	10	U	10	U	10	U	10	U
SWL-MW-02-06	SP02	8909103	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		ug/l	10	U	10	U	10	U	10	U	10	U
SWL-MW-02-07	SP02	8909103	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		ug/l	10	U	10	U	10	U	10	U	10	U
SWL-MW-02-08	SP02	8909103	AQUEOUS	09/28/89	09/27/89	09/29/89	0		10/13/89	0		ug/l	10	U	10	U	10	U	10	U	10	U
SWL-WS-01-01		NO DATA GIVEN FOR THIS SAMPLE																				
SWL-WS-01-02		8909088	SOIL	09/27/89	09/26/89	12/13/89	64	c	01/10/90	0		ug/kg	NO DATA WAS GIVEN FOR THIS SAMPLE									
SWL-WS-01-03	ARCH	8909089	SOIL	09/27/89	09/26/89	10/07/89	0		11/16/89	0		ug/kg	1800	U	1800	U	1800	U	1800	U	1800	U
SWL-WS-01-03		8909089	SOIL	09/27/89	09/26/89	10/07/89	0		11/16/89	0		ug/kg	1800	U	1800	U	1800	U	590	J	990	J
SWL-WS-01-04		8909090	SOIL	09/27/89	09/26/89	10/03/89	0		11/13/89	1	e	ug/kg	1800	U	1800	U	1800	U	770	J	1500	J
SWL-WS-01-04	PNA	8909090	SOIL	09/27/89	09/26/89	10/04/89	0		11/14/89	1	e	ug/kg	9400	U	9400	U	9400	U	5300	J	16000	
SWL-WS-02-01		8909102	SOIL	09/28/89	09/26/89	11/04/89	25	a	11/27/89	0		ug/kg	4000	U	4000	U	4000	U	13000		28000	
SWL-WS-02-02		8909101	SOIL	09/28/89	09/27/89	12/13/89	63	c	01/06/90	0		ug/kg	2000	U	2000	U	2000	U	2000	U	2000	U
SWL-WS-02-03	SEMI	8909102	SOIL	09/28/89	09/27/89	12/13/89	63	c	01/06/90	0		ug/kg	1800	U	1800	U	1800	U	1800	U	350	J
SWL-WS-02-04		8909102	SOIL	09/28/89	09/27/89	10/06/89	0		11/05/89	0		ug/kg	2000	U	2000	U	2000	U	2000	U	870	J
SWL-WS-02-04	DL	8909102	SOIL	09/28/89	09/27/89	10/06/89	0		11/04/89	0		ug/kg	9900	U	9900	U	9900	U	26000		62000	
													50000	U	50000	U	50000	U	27000	DJ	64000	D

000331

Summary of Polynuclear Aromatic Hydrocarbon Data for the Low Soil Test
as Reported by Acurex Corporation
(Includes Holding Time Analysis)

SAIC #		MPELI #	Anthracene	Q	Fluoranthene	Q	Pyrene	Q	Benzo(a)-Anthracene	Q	Chrysene	Q	Benzo(b)-Fluoranthene	Q	Benzo(k)Fluoranthene	Q	Benzo(a)-Pyrene	Q	Benzo(g,h,i)-Perylene	Q
SPL-01-00	PNA	8909086	160000		17000		47000		12000		12000		9900	U	9900	U	9900	U	9900	U
SPL-01-00	PCP	8909086	86000		12000		29000		3000	J	8000	J	9900	U	9900	U	9900	U	9900	U
SPL-02-00	PCP	8909086	77000		9700	J	19000		9900	U	9900	U	9900	U	9900	U	9900	U	9900	U
SPL-02-00	PNA	8909086	100000		21000		30000		5200	J	11000		9900	U	9900	U	9900	U	9900	U
SPL-03-00	PNA	8909086	110000		19000		36000		4600	J	11000		9900	U	9900	U	9900	U	9900	U
SPL-03-00	PCP	8909086	98000		16000		20000		9900	U	9900	U	9900	U	9900	U	9900	U	9900	U
SPL-04-00	PCP	8909086	91000		10000		21000		9900	U	7400	J	9900	U	9900	U	9900	U	9900	U
SPL-04-00	PNA	8909086	110000		21000		36000		4800	J	12000		9900	U	9900	U	9900	U	9900	U
SPL-05-00	PCP	8909086	250000		13000		23000		3700	J	10000		4400	J	9900	U	9900	U	9900	U
SPL-05-00	PNA	8909086	110000		17000		26000		4100	J	10000		9900	U	9900	U	9900	U	9900	U
SPL-06-00	PNA	8909086	91000		16000		32000		4400	J	10000		9900	U	9900	U	9900	U	9900	U
SPL-06-00	PCP	8909086	80000		12000		19000		4000	J	7700	J	9900	U	9900	U	9900	U	9900	U
SPL-07-00	DL	8909086	220000	D	16000	D	21000	D	4200	DJ	9600	DJ	4000	DJ	9900	U	9900	U	9900	U
SPL-07-00		8909086	110000		17000		24000		3300	J	8800		5000	J	7900	U	1000	J	7900	U
SPL-08-00	PNA	8909086	76000		11000		16000		9900	U	7100	J	9900	U	9900	U	9900	U	9900	U
SPL-08-00	PCP	8909086	96000		14000		20000		4100	J	9500	J	4100	J	9900	U	9900	U	9900	U
SPL-C-00		8909085	38000	J	61000		78000		15000	J	22000	J	40000	U	40000	U	40000	U	40000	U
SPL-C-00	PNA	8909085	140000		19000		52000		9900	U	12000		9900	U	9900	U	6500	J	9900	U
SWL-CDE-01-01	DL	8909089	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U
SWL-CDE-01-01		8909089	150		12	J	19	J	50	U	50	U	50	U	50	U	50	U	50	U
SWL-CDE-01-02	DL	8909089	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U
SWL-CDE-01-02		8909089	92		50	U	12	J	50	U	50	U	50	U	50	U	50	U	50	U
SWL-CDE-01-03	DL	8909088	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U
SWL-CDE-01-03		8909088	120		50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U
SWL-CDE-01-04		8909088	410		33	J	53		50	U	50	U	50	U	50	U	50	U	50	U
SWL-CDE-01-04	DL	8909088	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U
SWL-CDE-02-01	DL	8909102	180	DJ	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U
SWL-CDE-02-01		8909102	140		12	J	17	J	50	U	50	U	50	U	50	U	50	U	50	U
SWL-CDE-02-02		8909102	430		28	J	44	J	17	J	19	J	50	U	50	U	50	U	50	U
SWL-CDE-02-02	DL	8909102	420	DJ	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U

0003332

Summary of Polynuclear Aromatic Hydrocarbon Data for the Low Soil Test
as Reported by Acurex Corporation
(Includes Holding Time Analysis)

SAIC #	MPELI #	Anthracene	Q	Fluoranthene	Q	Pyrene	Q	Benzo(a)Anthracene	Q	Chrysene	Q	Benzo(b)Fluoranthene	Q	Benzo(k)Fluoranthene	Q	Benzo(a)Pyrene	Q	Benzo(g,h,i)Perylene	Q
SWL-CDE-02-03	8909101	400		30	J	51		18	J	20	J	50	U	50	U	50	U	50	U
SWL-CDE-02-03 DL	8909101	300	DJ	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U	1000	U
SWL-CDE-02-04	8909102	470		30	J	47	J	18	J	20	J	54	U	54	U	54	U	54	U
SWL-CDE-02-04 DL	8909102	230	DJ	540	U	540	U	540	U	540	U	540	U	540	U	540	U	540	U
SWL-CDE-02-06 DL-SP04	8909102	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U
SWL-CDE-02-06 SP04	8909102	380		20	J	35	J	50	U	13	J	50	U	50	U	50	U	50	U
SWL-CDE-02-07 DL-SP04	8909102	170	DJ	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U
SWL-CDE-02-07 SP04	8909102	310		18	J	30	J	50	U	50	U	50	U	50	U	50	U	50	U
SWL-CDE-02-08 DL-SP04	8909102	180	DJ	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U
SWL-CDE-02-08 SP04	8909102	180		14	J	21	J	50	U	50	U	50	U	50	U	50	U	50	U
SWL-CO-01-01	8909089	120000	E	15000		22000		3200		10000		1700	J	1300	J	2400		2000	
SWL-CO-01-01 DL	8909089	240000	D	10000	D	21000	D	9900	U	8200	DJ	9900	U	9900	U	9900	U	9900	U
SWL-CO-01-02	8909088	110000	B	11000		18000		9900	U	6400	J	9900	U	9900	U	9900	U	9900	U
SWL-CO-01-03	8909088	95000	EX	11000		21000		2400		6800		1400	JX	1100	JX	1200	J	2000	U
SWL-CO-01-03 DL	8909088	95000	D	12000	D	17000	D	9800	U	6100	DJ	9800	U	9800	U	9800	U	9800	U
SWL-CO-01-03	8909089	68000	E	14000		21000		3300		8800		1700	J	1500	J	2800		7400	
SWL-CO-01-03 DL	8909089	90000	D	10000	D	20000	D	7900	U	7700	DJ	7900	U	7900	U	7900	U	7900	U
SWL-CO-01-04	8909088	41000		9000	J	15000		9900	U	5500	J	9900	U	9900	U	9900	U	9900	U
SWL-CO-01-04 PNA	8909088	270000		27000		52000		6100	J	15000		9900	U	9900	U	9900	U	9900	U
SWL-CO-02-01	8909103	31000		13000		14000		9900	U	5500	J	9900	U	9900	U	9900	U	9900	U
SWL-CO-02-02 DL	8909101	100000	D	11000	D	20000	D	9900	U	9900	U	9900	U	9900	U	9900	U	9900	U
SWL-CO-02-02	8909101	100000	EX	13000	X	20000	X	2900		7300	X	2000	U	2000	U	2000	U	2000	U
SWL-CO-02-03	8909101	270000	B	15000		24000		4300	J	12000		2600	J	9600	U	9600	U	9600	U
SWL-CO-02-04	8909111	180000	E	17000		25000		3700		10000		2000	U	2000	U	2000	U	2000	U
SWL-CO-02-04 DL	8909111	190000	D	20000	U	26000	D	20000	U	20000	U	20000	U	20000	U	20000	U	20000	U
SWL-EQB-01-01	8909090	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
SWL-FO-01-01 DL	8909089	72000	D	5200	D	9400	D	1300	DJ	3600	D	1200	DJ	2600	U	1000	DJ	2600	U
SWL-FO-01-01	8909089	42000		6500		8300		1400		3800		800	J	600	J	1000	J	1100	J

Summary of Polynuclear Aromatic Hydrocarbon Data for the Low Soil Test
as Reported by Acurex Corporation
(Includes Holding Time Analysis)

SAIC #	MPELI #	Anth-racene	Q	Fluor-anthene	Q	Pyrene	Q	Benzo-(a)-An-thracene	Q	Chrysene	Q	Benzo(b)-Fluor-anthene	Q	Benzo(k) Fluor-anthene	Q	Benzo(a)-Pyrene	Q	Benzo (g,h,i)-Perylene	Q
SWL-FO-01-02	8909089	46000		8500		11000		1900		5000		1200	J	850	J	890	J	1800	U
SWL-FO-01-02 DL	8909089	68000	D	7200	D	12000	D	1600	DJ	4300	D	3700	U	3700	U	3700	U	3700	U
SWL-FO-01-03	8909088	210000		17000		28000		8700	U	9600		8700	U	8700	U	8700	U	8700	U
SWL-FO-01-03	8909089	260000		18000		15000		3700	J	9800	J	2400	J	9900	U	9900	U	9900	U
SWL-FO-01-04 PNA	8909090	270000		18000		28000		9900	U	14000		9900	U	9900	U	9900	U	9900	U
SWL-FO-01-04	8909090	600000	E	22000		29000		5100	J	15000		9900	U	9900	U	9900	U	9900	U
SWL-FO-02-01 DL	8909103	80000	D	8100	U	8100	D	8100	U	8100	U	8100	U	8100	U	8100	U	8100	U
SWL-FO-02-01	8909103	87000	E	6800		11000		1800		4800		1100		1000		1100		810	U
SWL-FO-02-02	8909101	76000		7000	J	7900		1100	J	3800	J	7100	U	7100	U	7100	U	7100	U
SWL-FO-02-03	8909101	76000	BE	5500		8500		1500	J	1800	J	1800	J	1900	U	720	J	1900	U
SWL-FO-02-03 DL	8909101	71000	BD	6100	DJ	9800	D	9300	U	3800	DJ	9300	U	9300	U	9300	U	9300	U
SWL-FO-02-04	8909111	140000	B	11000		17000		3000	J	7000	J	3400	J	9900	U	9900	U	9900	U
SWL-FPC-01-01	8909089	240000		21000		24000		4700	J	13000		3000	J	2600	J	10000	U	10000	U
SWL-FPC-01-02	8909088	500000		48000		110000		11000	J	33000		20000	U	12000	J	20000	U	20000	U
SWL-FPC-01-03 S_DL	8909089	1100000	D	84000	D	120000	D	79000	U	79000	U	79000	U	79000	U	79000	U	79000	U
SWL-FPC-01-03 SEMI	8909089	650000	E	88000		140000		27000		63000		16000		15000		11000		7900	U
SWL-FPC-01-03 A_DL	8909089	530000	D	48000	D	78000	D	13000	DJ	33000	D	20000	U	20000	U	20000	U	20000	U
SWL-FPC-01-03 ARCH	8909089	500000	E	51000		65000		13000		32000		8000	J	7100	J	4800	J	9800	U
SWL-FPC-01-04	8909090	390000	E	35000		43000		7800	J	22000		8000	J	10000		9800	U	9800	U
SWL-FPC-01-04 DL	8909090	430000	D	31000	DJ	45000	DJ	20000	DJ	22000	DJ	49000	U	49000	U	49000	U	49000	U
SWL-FPC-02-01	8910011	31000	X	47000	X	46000	X	10000	X	18000		9900	U	9900	U	9900	U	9900	U
SWL-FPC-02-01	8909103	340000	E	42000		83000		12000		34000		6500	J	5200	J	9500	U	9500	U
SWL-FPC-02-01 DL	8909103	490000	D	34000	D	50000	D	9100	DJ	23000	D	19000	U	19000	U	4200	DJ	19000	U
SWL-FPC-02-02	8909101	440000	E	47000		77000		12000		39000		8100		7200		4000	U	4000	U
SWL-FPC-02-02 DL	8909101	340000	DX	24000	D	43000	D	20000	U	20000	U	20000	U	20000	U	20000	U	20000	U
SWL-FPC-02-03	8909101	630000		48000		85000		34000		37000		20000	U	20000	U	20000	U	20000	U
SWL-FPC-02-04 DL	8909102	450000	D	42000	D	58000	D	20000	U	28000	D	5800	DJ	6400	DJ	20000	U	20000	U
SWL-FPC-02-04	8909102	370000	E	40000		67000		9700	J	31000		9900	U	9900	U	9900	U	9900	U
SWL-FS-01-01	8909089	140000		16000		38000		3300	J	9800	J	9900	U	9900	U	9900	U	9900	U

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Summary of Polynuclear Aromatic Hydrocarbon Data for the Low Soil Test
as Reported by Acurex Corporation
(Includes Holding Time Analysis)

SAIC #		MPELI #	Anthracene	Q	Fluoranthene	Q	Pyrene	Q	Benzo(a)-Anthracene	Q	Chrysene	Q	Benzo(b)-Fluoranthene	Q	Benzo(k) Fluoranthene	Q	Benzo(a)-Pyrene	Q	Benzo (g,h,i)-Perylene	Q
SWL-FS-01-02		8909089	120000		14000		27000		3000	J	14000		2600	J	9900	U	9900	U	9900	U
SWL-FS-01-03		8909089	130000		17000		26000		3400	J	9600	J	9900	U	9900	U	9900	U	9900	U
SWL-FS-01-03	ARCH	8909089	140000		17000		29000		3500	J	10000		9900	U	9900	U	9900	U	9900	U
SWL-FS-01-04		8909090	180000		24000		38000		5100	J	14000		2400	J	9700	U	9700	U	9700	U
SWL-FS-02-01		8909103	180000		23000		35000		4900	J	15000		2700	J	9300	U	9300	U	9300	U
SWL-FS-02-02		8909101	91000		19000		20000		5300		10000		4000	U	4000	U	4000	U	4000	U
SWL-FS-02-02	DL	8909101	100000	D	18000	D	20000	D	7900	U	7900	U	7900	U	7900	U	7900	U	7900	U
SWL-FS-02-03	SEMI	8909101	170000		17000		21000		4600	J	11000		9900	U	9900	U	9900	U	9900	U
SWL-FS-02-03	ARCH	8909101	93000	E	13000		15000		3100		9200		2000		1500	J	1100	J	2000	U
SWL-FS-02-03	ARCDL	8909101	150000	D	9900	D	15000	D	2300	DJ	8400	DJ	9900	U	9900	U	9900	U	9900	U
SWL-FS-02-04		8909111	110000		12000		23000		9900	U	9900	U	9900	U	9900	U	9900	U	9900	U
SWL-MW-01-01		8909088	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
SWL-MW-01-02		8909088	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
SWL-MW-02-01		8909102	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
SWL-MW-02-02		8909103	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
SWL-MW-02-06	SP02	8909103	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
SWL-MW-02-07	SP02	8909103	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
SWL-MW-02-08	SP02	8909103	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
SWL-WS-01-01		NO DATA	NO DATA GIVEN FOR THIS SAMPLE																	
SWL-WS-01-02		8909088	2600		1600	J	2400		1800	U	1800	U	1800	U	1800	U	1800	U	1800	U
SWL-WS-01-03	ARCH	8909089	3400		1500	J	2000		1800	U	810	J	1800	U	1800	U	1800	U	1800	U
SWL-WS-01-03		8909089	5600		2100		2300		1800	U	1100	J	1800	U	1800	U	1800	U	1800	U
SWL-WS-01-04		8909090	44000		7100	J	11000		9400	U	3800	J	9400	U	9400	U	9400	U	9400	U
SWL-WS-01-04	PNA	8909090	82000		11000		9300		1900	J	5700		870	J	4000	U	4000	U	4000	U
SWL-WS-02-01		8909102	5200	B	1400	J	1900	J	2000	U	2000	U	2000	U	2000	U	2000	U	2000	U
SWL-WS-02-02		8909101	1900		1000	J	1900		220	J	840	J	1800	U	1800	U	1800	U	1800	U
SWL-WS-02-03	SEMI	8909102	5200		1500	J	2900		330	J	1200	J	2000	U	2000	U	2000	U	2000	U
SWL-WS-02-04		8909102	340000	E	26000		37000		7300	J	20000		7900	J	9900	U	9900	U	9900	U
SWL-WS-02-04	DL	8909102	400000	D	28000	DJ	57000	D	50000	U	23000	DJ	50000	U	50000	U	50000	U	50000	U

000335

Summary of Polynuclear Aromatic Hydrocarbon Data for the Low Soil Test
as Reported by Acurex Corporation
(Includes Holding Time Analysis)

SAIC #	MPELI #	Anth-racene	Q	Fluor-anthene	Q	Pyrene	Q	Benzo-(a)-An-thracene	Q	Chrysene	Q	Benzo(b)-Fluor-anthene	Q	Benzo(k) Fluor-anthene	Q	Benzo(a)-Pyrene	Q	Benzo (g,h,i)-Perylene	Q
C:\LOTUS\PROJECTS\BIOTROL\DEMO\A																			

NOTES:

D = Diluted Sample
E = Beyond Calibration Range
J = Below Calibration Range
U = Undetected at Specified Concentration
X = Manually Entered Data

a = 1 to 28 Days Late to Extract
b = 29 to 56 Days Late to Extract
c = 57 to 84 Days Late to Extract
d = 85 and Over Days Late to Extract
e = 1 to 28 Days Late to Analyze
f = 29 to 56 Days Late to Analyze
g = 57 to 84 Days Late to Analyze
h = 85 and Over Days Late to Analyze

Summary of Polynuclear Aromatic Hydrocarbon Data for the High Soil Test
Reported by Acurex Corporation
(With Holding Time Analysis)

SAIC #		MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Units	Naphthalene	Q	Acenaphthylene	Q	Acenaphthene	Q	Fluorene	Q	Phenanthrene	Q
SPH-01-00	PHA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/23/89	0		ug/kg	9900	U	9900	U	11000		11000		47000	
SPH-01-00		8909085	SOIL	09/26/89	09/24/89	10/05/89	0		10/27/89	0		ug/kg	20000	U	20000	U	20000	U	7700	J	32000	
SPH-02-00		8909085	SOIL	09/26/89	09/24/89	10/05/89	0		10/27/89	0		ug/kg	20000	U	20000	U	14000	J	17000	J	72000	
SPH-02-00	PHA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/16/89	0		ug/kg	9900	U	9900	U	21000		24000		84000	
SPH-03-00		8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/28/89	0		ug/kg	40000	U	40000	U	19000	J	24000	J	87000	
SPH-03-00	PHA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/23/89	0		ug/kg	9900	U	9900	U	22000		26000		86000	
SPH-04-00		8909085	SOIL	09/26/89	09/24/89	10/05/89	0		11/07/89	0		ug/kg	9900	U	9900	U	14000		11000		38000	
SPH-04-00	DL	8909085	SOIL	09/26/89	09/24/89	10/05/89	0		02/12/90	90	h	ug/kg	99000	U	99000	U	99000	U	99000	U	99000	U
SPH-05-00		8909085	SOIL	09/26/89	09/24/89	10/04/89	0		11/03/89	0		ug/kg	9900	U	9900	U	9900	U	6100	J	17000	
SPH-05-00	PHA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/24/89	0		ug/kg	9900	U	9900	U	24000		27000		92000	
SPH-06-00	PHA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/24/89	0		ug/kg	9900	U	9900	U	23000		28000		97000	
SPH-06-00		8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/28/89	0		ug/kg	40000	U	40000	U	19000	J	23000	J	87000	
SPH-07-00	PHA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/24/89	0		ug/kg	9900	U	9900	U	25000		28000		110000	
SPH-07-00		8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/28/89	0		ug/kg	40000	U	40000	U	21000	J	26000	J	100000	
SPH-08-00	PHA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/24/89	0		ug/kg	9900	U	9900	U	21000		20000		74000	
SPH-08-00		8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/28/89	0		ug/kg	40000	U	40000	U	21000	J	18000	J	69000	
SPH-09-00		8909085	SOIL	09/26/89	09/24/89	10/05/89	0		02/13/90	91	h	ug/kg	50000	U	50000	U	50000	U	50000	U	45000	J
SPH-09-00	PHA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/24/89	0		ug/kg	9900	U	9900	U	16000		15000		53000	
SPH-10-00		8909085	SOIL	09/26/89	09/24/89	10/04/89	0		11/02/89	0		ug/kg	2400	J	2200	J	16000		17000		80000	
SPH-10-00	DL	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/28/89	0		ug/kg	40000	U	40000	U	20000	DJ	21000	DJ	78000	D
SPH-10-00	PHA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/23/89	0		ug/kg	9900	U	9900	U	19000		22000		77000	
SPH-11-00	PHA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/23/89	0		ug/kg	9900	U	9900	U	21000		22000		80000	
SPH-11-00		8909085	SOIL	09/26/89	09/24/89	10/05/89	0		10/27/89	0		ug/kg	40000	U	40000	U	13000	J	14000	J	50000	
SPH-12-00		8909085	SOIL	09/26/89	09/24/89	10/05/89	0		10/27/89	0		ug/kg	20000	U	20000	U	13000	J	12000	J	45000	
SPH-12-00	PHA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/23/89	0		ug/kg	9900	U	9900	U	21000		20000		74000	
SPH-C-00		8909085	SOIL	09/26/89	09/24/89	10/04/89	0		11/01/89	0		ug/kg	9900	U	9900	U	17000		18000		78000	
SPH-C-00	PHA	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/24/89	0		ug/kg	9900	U	9900	U	21000		22000		83000	
SPH-C-00	DL	8909085	SOIL	09/26/89	09/24/89	10/04/89	0		10/28/89	0		ug/kg	99000	U	99000	U	99000	U	24000	DJ	83000	DJ
SWH-ATW-01-01		8910005	AQUEOUS	10/03/89	09/30/89	10/03/89	0		10/24/89	0		ug/l	50	U	50	U	50	U	50	U	50	U
SWH-ATW-01-01	DL	8910005	AQUEOUS	10/03/89	09/30/89	10/03/89	0		10/29/89	0		ug/l	200	U	200	U	200	U	200	U	200	U

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Summary of Polynuclear Aromatic Hydrocarbon Data for the High Soil Test
Reported by Acurex Corporation
(With Holding Time Analysis)

SAIC #	MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Units	Naphthalene	Q	Acenaphthylene	Q	Acenaphthene	Q	Fluorene	Q	Phenanthrene	Q
SWH-ATW-01-02 DL	8910005	AQUEOUS	10/03/89	10/01/89	10/03/89	0		10/29/89	0		ug/l	200	U	200	U	200	U	200	U	200	U
SWH-ATW-01-02	8910005	AQUEOUS	10/03/89	10/01/89	10/03/89	0		10/24/89	0		ug/l	50	U	50	U	50	U	50	U	50	U
SWH-ATW-02-01 DL	8910015	AQUEOUS	10/03/89	10/01/89	11/16/89	39	b	02/26/90	62	g	ug/l	150	U	150	U	150	U	150	U	150	U
SWH-ATW-02-01	8910015	AQUEOUS	10/03/89	10/01/89	11/16/89	39	b	01/31/90	36	f	ug/l	50	U	50	U	50	U	50	U	50	U
SWH-ATW-02-02	8910005	AQUEOUS	10/03/89	10/01/89	12/01/89	54	b	12/30/89	0		ug/l	50	U	50	U	50	U	50	U	50	U
SWH-ATW-02-02 DL	8910005	AQUEOUS	10/03/89	10/01/89	12/01/89	54	b	01/08/90	0		ug/l	200	U	200	U	200	U	200	U	200	U
SWH-ATW-04-01	8910032	AQUEOUS	10/05/89	10/03/89	10/09/89	0		11/10/89	0		ug/l	50	U	50	U	50	U	50	U	50	U
SWH-ATW-04-01 DL	8910032	AQUEOUS	10/05/89	10/03/89	10/09/89	0		11/10/89	0		ug/l	100	U	100	U	100	U	100	U	100	U
SWH-ATW-04-02	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		12/30/89	42	f	ug/l	50	U	50	U	50	U	50	U	50	U
SWH-ATW-04-02 DL	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		01/07/90	50	f	ug/l	100	U	100	U	100	U	100	U	100	U
SWH-ATW-04-06	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		12/22/89	34	f	ug/l	53	U	53	U	53	U	53	U	53	U
SWH-ATW-04-06 DL	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		02/15/90	89	h	ug/l	110	U	110	U	110	U	110	U	110	U
SWH-ATW-04-07 DL	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		02/15/90	89	h	ug/l	100	U	100	U	100	U	100	U	100	U
SWH-ATW-04-07	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		12/28/89	40	f	ug/l	50	U	50	U	50	U	50	U	50	U
SWH-ATW-04-08 DL	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		01/07/90	50	f	ug/l	150	U	150	U	150	U	150	U	150	U
SWH-ATW-04-08	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		12/23/89	35	f	ug/l	50	U	50	U	50	U	50	U	50	U
SWH-ATW-05-01 DL	8910046	AQUEOUS	10/06/89	10/04/89	12/01/89	51	b	12/23/89	0		ug/l	100	U	100	U	100	U	100	U	100	U
SWH-ATW-05-01	8910046	AQUEOUS	10/06/89	10/04/89	12/01/89	51	b	12/17/89	0		ug/l	50	U	50	U	50	U	50	U	50	U
SWH-ATW-06-01	8910056	AQUEOUS	10/07/89	10/05/89	12/04/89	53	b	01/31/90	18	e	ug/l	100	U	100	U	100	U	100	U	100	U
SWH-ATW-06-02	8910057	AQUEOUS	10/07/89	10/06/89	12/04/89	52	b	01/24/90	11	e	ug/l	50	U	50	U	50	U	50	U	50	U
SWH-ATW-06-02 DL	8910057	AQUEOUS	10/07/89	10/06/89	12/04/89	52	b	01/30/90	17	e	ug/l	200	U	200	U	200	U	200	U	200	U
SWH-CDE-01-01 DL	8910014	AQUEOUS	10/03/89	09/30/89	10/05/89	0		11/09/89	0		ug/l	5000	U	5000	U	5000	U	5000	U	5000	U
SWH-CDE-01-01	8910014	AQUEOUS	10/03/89	09/30/89	10/05/89	0		11/08/89	0		ug/l	37	J	50	U	280		250		1100	
SWH-CDE-01-02 DL	8910012	AQUEOUS	10/03/89	09/30/89	10/05/89	0		11/09/89	0		ug/l	10000	U	10000	U	10000	U	10000	U	10000	U
SWH-CDE-01-02	8910012	AQUEOUS	10/03/89	09/30/89	10/05/89	0		11/06/89	0		ug/l	23	J	50	U	100		93		440	
SWH-CDE-01-04	8910013	AQUEOUS	10/03/89	09/30/89	11/16/89	40	b	02/02/90	38	f	ug/l	50	U	50	U	39	J	50	U	50	U
SWH-CDE-01-04 DL	8910013	AQUEOUS	10/03/89	09/30/89	11/16/89	40	b	02/22/90	58	g	ug/l	2000	U	2000	U	2000	U	2000	U	2000	U
SWH-CDE-02-01 DL	8910012	AQUEOUS	10/03/89	10/01/89	10/05/89	0		11/08/89	0		ug/l	5000	U	5000	U	5000	U	5000	U	5000	U
SWH-CDE-02-01	8910012	AQUEOUS	10/03/89	10/01/89	10/05/89	0		11/06/89	0		ug/l	50	U	50	U	50	U	96		370	
SWH-CDE-02-02	8910012	AQUEOUS	10/03/89	10/01/89	10/05/89	0		11/06/89	0		ug/l	50	U	50	U	84		67		280	

Summary of Polynuclear Aromatic Hydrocarbon Data for the High Soil Test
Reported by Acurex Corporation
(With Holding Time Analysis)

SAIC #	HPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT	Q	DATE ANALYZED	DAYS LATE TO ANALYZE	Q	Units	Naphthalene	Q	Acenaphthylene	Q	Acenaphthene	Q	Fluorene	Q	Phenanthrene	Q
SWH-CDE-02-02 DL	8910012	AQUEOUS	10/03/89	10/01/89	10/05/89	0		11/08/89	0		ug/l	5000	U	5000	U	5000	U	5000	U	5000	U
SWH-CDE-02-03 REDL	8910012	AQUEOUS	10/03/89	10/01/89	02/07/90	122	d	02/16/90	0		ug/l	1000	U	1000	U	1000	U	1000	U	1000	U
SWH-CDE-02-03 RE	8910012	AQUEOUS	10/03/89	10/01/89	02/07/90	122	d	03/03/90	0		ug/l	50	U	50	U	50	U	50	U	50	U
SWH-CDE-02-03	8910012	AQUEOUS	10/03/89	10/01/89	10/05/89	0		03/02/90	108	h	ug/l	50	U	50	U	68		58		210	
SWH-CDE-02-04	8910011	AQUEOUS	10/03/89	10/01/89	10/03/89	0		10/28/89	0		ug/l	50	U	50	U	91		92		310	X
SWH-CDE-02-04 DL	8910011	AQUEOUS	10/03/89	10/01/89	10/03/89	0		11/03/89	0		ug/l	2000	U	2000	U	2000	U	2000	U	2000	U
SWH-CDE-04-01 DL	8910022	AQUEOUS	10/04/89	10/03/89	10/09/89	0		01/25/90	68	g	ug/l	2000	U	2000	U	2000	U	2000	U	2000	U
SWH-CDE-04-01	8910025	AQUEOUS	10/04/89	10/03/89	10/09/89	0		01/24/90	67	g	ug/l	100	U	100	U	77	J	100	U	210	X
SWH-CDE-04-02	8910030	AQUEOUS	10/05/89	10/03/89	02/07/90	120	d	02/14/90	0		ug/l	50	U	50	U	50	U	50	U	50	U
SWH-CDE-04-02 DL	8910030	AQUEOUS	10/05/89	10/03/89	02/07/90	120	d	02/21/90	0		ug/l	2500	U	2500	U	2500	U	2500	U	2500	U
SWH-CDE-04-03 DL	8910032	AQUEOUS	10/05/89	10/04/89	10/09/89	0		01/26/90	69	g	ug/l	5000	U	5000	U	5000	U	5000	U	5000	U
SWH-CDE-04-03	8910032	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/10/89	0		ug/l	50	U	50	U	70		50	U	82	
SWH-CDE-04-04	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		12/22/89	34	f	ug/l	19	J	36	J	350		390		1400	
SWH-CDE-04-04 DL	8910030	AQUEOUS	10/05/89	10/04/89	10/09/89	0		01/08/90	51	f	ug/l	2000	U	2000	U	2000	U	2000	U	2000	U
SWH-CDE-04-06 SP03	8910032	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/10/89	0		ug/l	50	U	50	U	44	J	50	U	50	
SWH-CDE-04-06 DL-SP03	8910032	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/10/89	0		ug/l	3000	U	3000	U	3000	U	3000	U	3000	U
SWH-CDE-04-07 SP03	8910032	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/10/89	0		ug/l	50	U	50	U	100		44	J	140	X
SWH-CDE-04-07 DL-SP03	8910032	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/10/89	0		ug/l	3000	U	3000	U	3000	U	3000	U	3000	U
SWH-CDE-04-08 DL-SP03	8910032	AQUEOUS	10/05/89	10/04/89	10/09/89	0		02/26/90	100	h	ug/l	2000	U	2000	U	2000	U	2000	U	2000	U
SWH-CDE-04-08 SP03	8910032	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/15/89	0		ug/l	50	U	50	U	53		29	J	78	
SWH-CDE-05-01 DL	8910038	AQUEOUS	10/05/89	10/04/89	10/09/89	0		01/22/90	65	g	ug/l	5000	U	5000	U	5000	U	5000	U	5000	U
SWH-CDE-05-01	8910038	AQUEOUS	10/05/89	10/04/89	10/09/89	0		11/10/89	0		ug/l	50	U	50	U	81		56		160	
SWH-CDE-05-02	8910055	AQUEOUS	10/06/89	10/04/89	11/16/89	36	b	02/01/90	37	f	ug/l	50	U	50	U	200		50	U	310	
SWH-CDE-05-02 DL	8910055	AQUEOUS	10/06/89	10/04/89	11/16/89	36	b	02/01/90	37	f	ug/l	4000	U	4000	U	4000	U	4000	U	4000	U
SWH-CDE-05-03 DL	8910046	AQUEOUS	10/06/89	10/05/89	12/01/89	50	b	12/23/89	0		ug/l	2000	U	2000	U	2000	U	2000	U	2000	U
SWH-CDE-05-03	8910046	AQUEOUS	10/06/89	10/05/89	12/01/89	50	b	12/18/89	0		ug/l	100	U	100	U	260		100	U	770	
SWH-CDE-05-04 DL	8910051	AQUEOUS	10/06/89	10/05/89	12/01/89	50	b	01/10/90	0		ug/l	4000	U	4000	U	4000	U	4000	U	4000	U
SWH-CDE-05-04	8910051	AQUEOUS	10/06/89	10/05/89	12/01/89	50	b	01/09/90	0		ug/l	20	U	20	U	15	J	20	U	20	U
SWH-CDE-05-04 RE	NO DATA GIVEN FOR THIS SAMPLE ID. THIS LINE HAS ENTERED TO HAVE PROPER SPACING.																				
SWH-CDE-05-04 REDL	8910051	AQUEOUS	10/06/89	10/05/89	02/28/90	139	d	03/05/90	0		ug/l	3000	U	3000	U	3000	U	3000	U	3000	U
SWH-CDE-05-05 SP01	8910038	AQUEOUS	10/05/89	10/04/89	10/09/89	0		01/21/90	64	g	ug/l	50	U	50	U	73		50	U	140	

NO DATA GIVEN FOR THIS SAMPLE ID.

000339

Summary of Polynuclear Aromatic Hydrocarbon Data for the High Soil Test
Reported by Acurex Corporation
(With Holding Time Analysis)

SAIC #	MPELI #	SOIL/ AQUEOUS	DATE RECEIVED	DATE COLLECTED	DATE EXTRACTED	DAYS LATE TO EXTRACT Q	DATE ANALYZED	DAYS LATE TO ANALYZE Q	Units	Naphthalene	Q	Acenaphthylene	Q	Acenaphthene	Q	Fluorene	Q	Phenanthrene	Q
SWH-CDE-05-05 DL-SP01	8910038	AQUEOUS	10/05/89	10/04/89	10/09/89	0	11/15/89	0	ug/l	5000	U	5000	U	5000	U	5000	U	5000	U
SWH-CDE-05-06 DL-SP01	8910038	AQUEOUS	10/05/89	10/04/89	10/09/89	0	01/21/90	64	g ug/l	5000	U	5000	U	5000	U	5000	U	5000	U
SWH-CDE-05-06 SP01	8910038	AQUEOUS	10/05/89	10/04/89	10/09/89	0	11/10/89	0	ug/l	50	U	50	U	66		30	J	76	
SWH-CDE-05-07 SP01	8910038	AQUEOUS	10/05/89	10/04/89	10/09/89	0	11/11/89	0	ug/l	50	U	50	U	75		48	J	150	
SWH-CDE-05-07 DL-SP01	8910038	AQUEOUS	10/05/89	10/04/89	10/09/89	0	01/27/90	70	g ug/l	5000	U	5000	U	5000	U	5000	U	5000	U
SWH-CDE-06-01 DL	8910045	AQUEOUS	10/06/89	10/05/89	12/01/89	50	b 12/23/89	0	ug/l	2000	U	2000	U	2000	U	2000	U	2000	U
SWH-CDE-06-01	8910045	AQUEOUS	10/06/89	10/05/89	12/01/89	50	b 12/17/89	0	ug/l	100	U	100	U	76	J	100	U	100	U
SWH-CDE-06-02 DL	8910058	AQUEOUS	10/07/89	10/05/89	12/04/89	53	b 01/23/90	10	e ug/l	2000	U	2000	U	2000	U	2000	U	2000	U
SWH-CDE-06-02	8910058	AQUEOUS	10/07/89	10/05/89	12/04/89	53	b 01/23/90	10	e ug/l	50	U	50	U	50	U	50	U	50	U
SWH-CDE-06-03 RE	8910058	AQUEOUS	10/07/89	10/06/89	01/30/90	109	d 02/03/90	0	ug/l	50	U	50	U	50	U	50	U	50	U
SWH-CDE-06-03 REDL	8910058	AQUEOUS	10/07/89	10/06/89	01/30/90	109	d 02/05/90	0	ug/l	5000	U	5000	U	5000	U	5000	U	5000	U
SWH-CDE-06-03 DL	8910058	AQUEOUS	10/07/89	10/06/89	12/04/89	52	b 02/16/90	34	f ug/l	3000	U	3000	U	3000	U	3000	U	3000	U
SWH-CDE-06-03	8910058	AQUEOUS	10/07/89	10/06/89	12/04/89	52	b 01/25/90	12	e ug/l	50	U	50	U	71		50	U	50	U
SWH-CO-01-01	8910013	SOIL	10/03/89	09/30/89	10/12/89	0	01/23/90	63	g ug/kg	9900	U	9900	U	22000		24000		92000	
SWH-CO-01-01 DL	8910013	SOIL	10/03/89	09/30/89	10/12/89	0	01/30/90	70	g ug/kg	50000	U	50000	U	29000	DJ	50000	U	110000	D
SWH-CO-01-02 DL	8910015	SOIL	10/03/89	09/30/89	10/09/89	0	02/21/90	95	h ug/kg	40000	U	40000	U	27000	DJ	31000	DJ	110000	D
SWH-CO-01-02	8910015	SOIL	10/03/89	09/30/89	10/09/89	0	02/20/90	94	h ug/kg	1300	J	4000	U	23000		24000		87000	
SWH-CO-01-04	8910014	SOIL	10/03/89	10/01/89	10/06/89	0	11/04/89	0	ug/kg	50000	U	50000	U	50000	U	50000	U	86000	
SWH-CO-02-01	8910005	SOIL	10/03/89	10/01/89	10/12/89	0	02/02/90	73	g ug/kg	9900	U	9900	U	22000		22000		80000	
SWH-CO-02-01 DL	8910005	SOIL	10/03/89	10/01/89	10/12/89	0	02/02/90	73	g ug/kg	50000	U	50000	U	50000	U	50000	U	81000	D
SWH-CO-02-02	8910011	SOIL	10/03/89	10/01/89	02/07/90	115	d 02/14/90	0	ug/kg	9900	U	9900	U	31000		9900	U	62000	
SWH-CO-02-02 DL	8910011	SOIL	10/03/89	10/01/89	02/07/90	115	d 02/14/90	0	ug/kg	79000	U	79000	U	79000	U	79000	U	79000	U
SWH-CO-02-03	8910011	SOIL	10/03/89	10/01/89	11/07/89	23	a 11/28/89	0	ug/kg	7700	U	7700	U	11000		12000		44000	
SWH-CO-02-03 DL	8910011	SOIL	10/03/89	10/01/89	11/07/89	23	a 12/30/89	13	e ug/kg	31000	U	31000	U	13000	DJ	31000	U	51000	D
SWH-CO-02-04	8910015	SOIL	10/03/89	10/01/89	10/09/89	0	02/20/90	94	h ug/kg	4000	U	4000	U	25000		24000		86000	
SWH-CO-02-04 DL	8910015	SOIL	10/03/89	10/01/89	10/09/89	0	02/20/90	94	h ug/kg	79000	U	79000	U	34000	DJ	36000	DJ	110000	D
SWH-CO-04-01 DL	8910022	SOIL	10/04/89	10/03/89	11/07/89	21	a 01/25/90	39	f ug/kg	99000	U	99000	U	99000	U	99000	U	150000	D
SWH-CO-04-01	8910022	SOIL	10/04/89	10/03/89	11/07/89	21	a 01/31/90	45	f ug/kg	4000	U	4000	U	29000		4000	U	53000	
SWH-CO-04-02	8910037	SOIL	10/05/89	10/03/89	11/17/89	31	b 12/20/89	0	ug/kg	9900	U	9900	U	28000		34000		94000	
SWH-CO-04-02 DL	8910037	SOIL	10/05/89	10/03/89	11/17/89	31	b 01/10/90	14	e ug/kg	99000	U	99000	U	30000	DJ	30000	DJ	91000	DJ

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