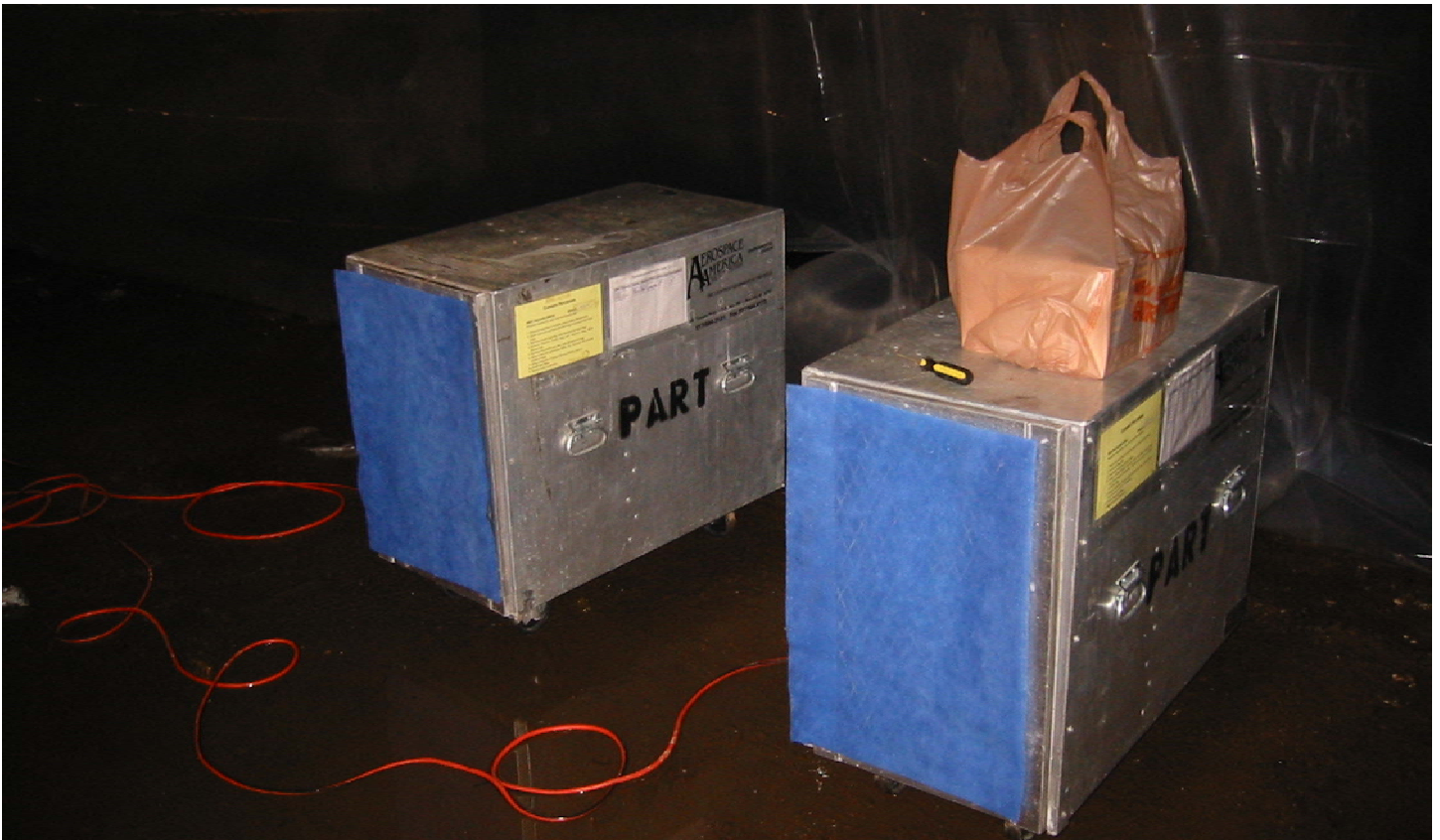




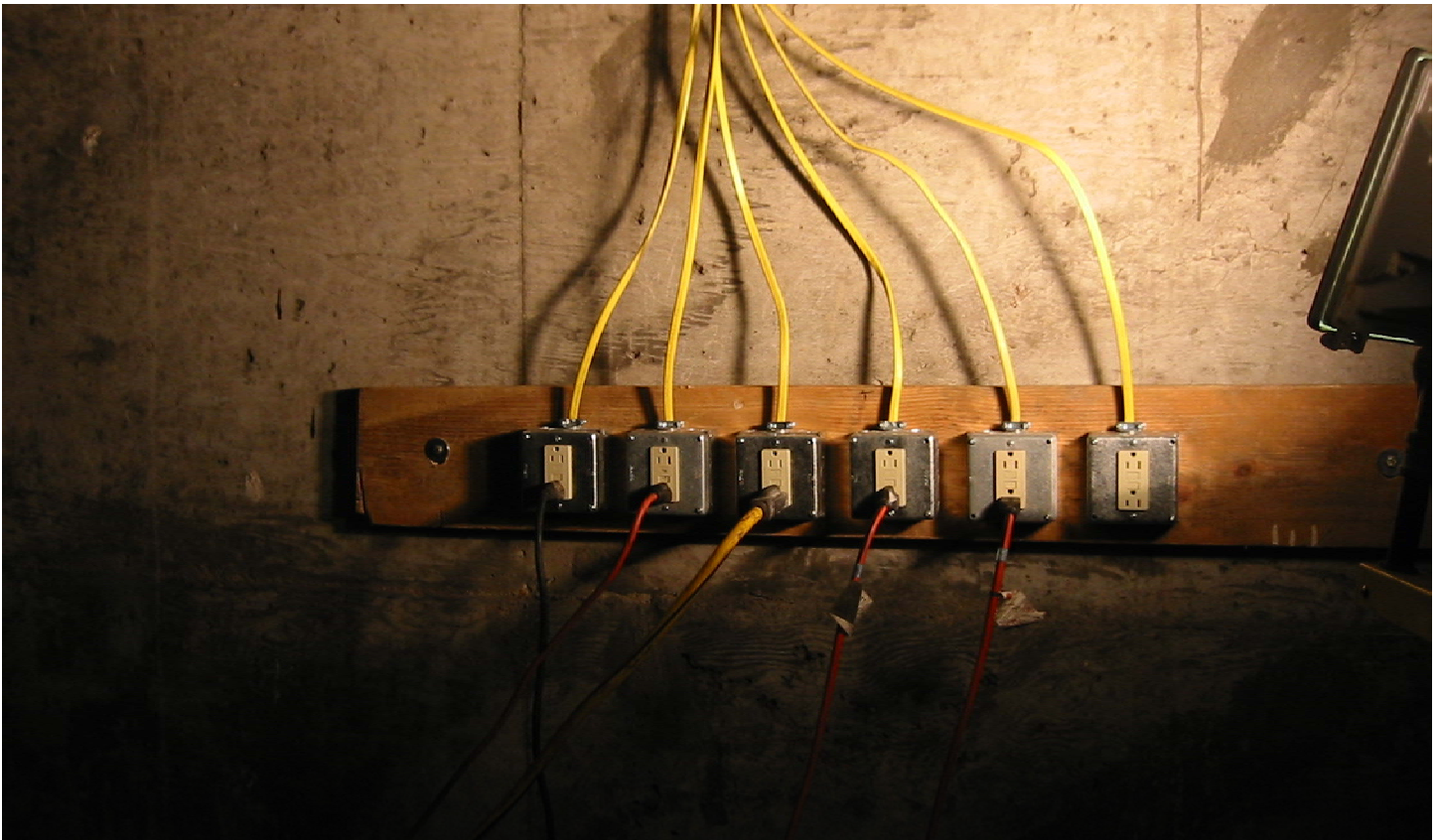
Photograph 9. Building 105 SAFR. West side of containment, September 2002.



Photograph 10. Building 105 SAFR. HEPA filters at work, September 2002.



Photograph 11. Building 105 SAFR. Portable HEPA filters inside of containment, September 2002.



Photograph 12. Building 105 SAFR. Temporary electrical outlets for lighting and equipment, September 2002.

Appendix C

PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

8.9

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MO2210090088		Manifest Document No. BY:		2. Page 1 of 1		Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address GENERAL SERVICES ADMINISTRATION MIKE CROOKER				Location If Different 4300 GOODFELLOW ST. LOUIS, MO 63120		A. Illinois Manifest Document Number IL10429442		FEE PAID IF APPLICABLE	
4. *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* (314) 263-3001				5. Transporter 1 Company Name MID-WEST SANITARY SERVICES		6. US EPA ID Number ILD053980272		B. Generator's IL ID Number 9 2 9 0 0 1 9 9 9 9	
7. Transporter 2 Company Name SAME				8. US EPA ID Number		C. Transporter's ID Number UPW-0448016-0M		D. Transporter's Phone (618) 254-0171	
9. Designated Facility Name and Site Address PDC #1 4349 SOUTHPORT ROAD PEORIA, IL 61615				10. US EPA ID Number ILD 000 805 812		E. Transporter's ID Number		F. Transporter's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. RQ, HAZARDOUS WASTE SOLID, NOS, 9, NA3077, PGIII, (D008)				001CM00015 Y				I. Waste No. EPA HW Number D 0 0 8 0 0 0 3 2 7	
b.								EPA HW Number	
c.								EPA HW Number	
d.								EPA HW Number	
J. Additional Description for Materials Listed Above SHOOTING RANGE SAND/LEAD WMDS #30352				K. Handling Codes for Wastes Listed Above in Item #14 20531					
15. Special Handling Instructions and Additional Information NAERG = 171 24 HR. EMG # _____ MAIL TO: SCS ENGINEERS, ATTN: DAVID BREWER 10401 HOLMES RD, STE. 400 KANSAS CITY, MO 64131									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Kevin Santee				Signature (b) (6)		Date Month Day Year 10 03 02			
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed/Typed Name Chris Andrews				Signature (b) (6)		Date Month Day Year 04 08 03			
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed/Typed Name Dow Grotchett				Signature (b) (6)		Date Month Day Year 04 08 03			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name DUANE GRAY				Signature (b) (6)		Date Month Day Year 04 10 03			

This Agency is authorized to require, pursuant to Illinois Revised Statute, 1989, Chapter 111 1/2, Section 10-1, this information may result in a civil penalty against the owner or operator not to exceed \$25,000 per day per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.



Peoria Disposal Company

4349 Southport Rd., Peoria, Illinois 61615

(309) 676-4893

Fingerprint Analysis

Scale Ticket 1070782 Sample No. 49

Destination

Landfill _____ Stabilization Solidification/Landfill _____ WWT _____

Physical Characteristics:

State: solid semi-solid _____

liquid _____ solid/liq _____

Odor: strong _____ mild _____ none

Color Blk

pH 8.0 IP

Flashpoint: °F _____ N/A _____

Water Reactivity:

yes no

Generate gasses _____

Temperature change _____

Soluble _____ Insoluble _____ Slight

Acceptance status:

Conforms Does not Conform _____

Accepted Rejected _____

Comments _____

Analyst JE



NO: 1070752

Peoria Disposal Company

SCALE TICKET

CUSTOMER COPY

P.O. Box 9071
Peoria, IL 61612-9071
(309) 688-0760

General Information

Customer : 138849 OCS ENGINEERS

Permit : 10030352 SHOOTING RANGE SAND Job type: TREATMENT Prod Cd: HAZ

Hauler : 55 MIDWEST SANITARY SER Load ticket: Schedule:

Volume Info

Manifest Number
10429442

Manifested

Quantity: 15
CORRECTED

Rejected Units:

Non-Manifested

Quantity: 0

Wastes on-board:

Scale Info

	Time	Date	Weight
In	3:18 PM	04/10/03	50,380
Out	4:01 PM	04/10/03	10,880
		Net:	39,500

Charges

Count Rate Amount

Disposal Charges: ** YOU'LL BE INVOICED FOR ANY AMTS OUTSTANDING **
Extra Charges :

Cash Collected: 50.00

Total Charges: *****

Laboratory Info

Color: GRN

Penetrometer:

Paint Filter: P

PH: 0

Truck-Id: 69

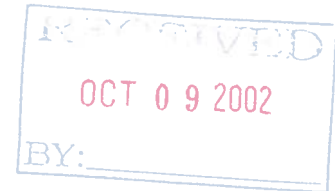
Driver Signature:

Appendix D



**Metropolitan
St. Louis Sewer
District**

Office of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(314) 436-8710
FAX (314) 436-8753



October 4, 2002

David Hempleman, P.E.
SCS ENGINEERS
10401 Holmes Rd., Suite 400
Kansas City, MO 64131

Dear Mr. Hempleman:

We have reviewed your application dated October 2, 2002 requesting approval to discharge up to 700 gallons of wastewater to the Metropolitan St. Louis Sewer District for treatment. This wastewater is generated from the wash down of walls and floors at the General Service Administration building 105 located at 4300 Goodfellow, St. Louis, Missouri. We understand that the wash down is related to remediation of the former shooting range area.

Based on the analytical results, this wastewater meets MSD Ordinance 8472 standards and is approved for discharge into a sanitary sewer on site subject to 0.5 micron filter treatment for lead, as indicated in your application. This approval is valid for 30 days from the date of this letter.

You must be certain the waste is discharged into a sanitary or combined sewer inlet only. This letter does not authorize any discharge to a separate storm sewer, or to any watercourse, as any such discharge would be in violation of state and federal laws. **Please notify me at the number below when the discharge is to commence.**

This discharge has been approved based upon the information and sample analysis you provided, and is subject to the conditions stated above. This approval may be revoked by the District at any time if any of the information is found to be incorrect, or if the conditions of this approval are violated. Also, if the discharge causes any operational or maintenance problem within the District's collection or treatment system, or results in violations of any conditions of the District's NPDES permit, SCS Engineers and the property owner, U.S. General Service Administration, will be considered responsible for damages.

If you have any questions, please call me at (314) 436-8742.

Sincerely,

METROPOLITAN ST. LOUIS SEWER DISTRICT

(b) (6)

Roland A. Biehl
Environmental Associate Engineer

dss

Pc: Bernie Rains



Metropolitan St. Louis Sewer District

Office of Environmental Compliance, 10 East Grand Avenue, St. Louis, Missouri 63147

Phone No: (314) 436-8710

Fax No: (314) 436-8766

APPLICATION FOR SPECIAL DISCHARGE APPROVAL

I. WASTEWATER SOURCE IDENTIFICATION:

Site name: General Service Administration
 Premise Address: Building 105, 4300 Goodfellow
 City: St. Louis State: MO Zip: 63147
 Owner: U.S. General Service Administration
 Contact person: Michael P. Crocker
 Title: Director
 Phone: 314-263-3001 Fax: 314-263-9099
ext. 228

II. APPLICANT (mailing information):

Applicant name: David Hempleman, P.E
 Title: Project Manager
 Company name: SCS Engineers
 Mailing address: 10401 Holmes Rd Suite 400
 City: Kansas City State: MO Zip: 64131
 Phone: 816 941 7510 Fax: 816 941 8025

III. A. MATERIAL TO BE DISCHARGED (check all applicable boxes):

1. Wastewater description/location: Water resulting from washdown of walls and floors
2. Process/activity generating wastewater: Remediation of former shooting range

3. Physical and chemical composition: List all constituents, and known or potentially present regulated contaminants below.

- See separate listing enclosed, and/or See analytical results enclosed, and/or Material Safety Data Sheet enclosed.

Description	Range	Unit	Description (continued)	Range	Unit

4. Is this wastewater from a process subject to EPA's categorical standards in 40 CFR Subchapter N? Yes No
 a. If yes, the applicable standards are in: 40 CFR Part _____, Subpart _____ Existing source New source
5. Does this wastewater contain polychlorinated biphenyls, asbestos or radioactive material? Yes No
 a. If yes, describe: Analyses attached: 5.6 ug/L Aroclor 1260 (PCB)

6. Representative sample: Laboratory results attached, and/or Sample provided (1/2 gallon minimum, clear container)
 a. Sample collection point/location: Open top storage vessels Collection method: hand dipping-Composite
 b. Sampler's name/Co.: Brett Engard SCS Engineers Sample date/time: 9-11-02 9:00 a.m.
 c. Attach chain of custody as available

7. Discharge will occur over the following time period: < 30 days ≥ Two years Other: < 24 hrs
 a. Expected total volume of wastewater to be discharged over the time period above: 700 Gallons
 b. Proposed discharge volume: 700 Gallons, at a frequency of: One time Daily Weekly Monthly
 Once/three months Once/six months Other: _____

8. Pretreatment of wastewater prior to discharge: None Yes, describe: Water will be filtered using 0.5 um mesh filters prior to discharge
 a. If yes, attach site plan, pretreatment system schematic, and design specifications.

9. Wastewater from a remediation project under: Superfund/CERCLA RCRA Voluntary program UST Not applicable
 a. If from a remediation project, briefly describe the past and present utilization of the property: Ammunition manufacturing and testing facility

III. B. MATERIAL FROM UNDERGROUND STORAGE TANK SOURCE

Not applicable (go to Section IV.)

Please answer the following questions if you are requesting to discharge wastewater associated with an underground storage tank system.

- 1. a. Wastewater from: Inside UST(s) UST system pit Excavation outside UST system pit Monitoring well
 Groundwater remediation system
- b. UST project involves wastewater from: UST(s) closed in place UST(s) removed Remediation Upgrade
 Maintenance activities Well monitoring Other, explain: _____
- c. If wastewater is from a closure project, how long has UST(s) been out of service: _____ years
- 2. a. State assigned UST site identification number: _____ Not applicable
- b. Number of USTs affected: _____ Unknown
- c. For the UST(s) involved, their state identification number(s): _____ Not applicable
- d. Service Station Identification Number, as applicable: _____
- 3. Tank contents/former contents: Gasoline #2 diesel Used oil Unknown Other: _____

IV. DISCHARGE LOCATION

- 1. On-site. Describe proposed point of entry to sewer and the discharge rate (must be a sanitary or combined sewer): Basement
sewer inlet at < gal/min Note: Rate of discharge must not surcharge sewer line.
- 2. Haul to MSD Bissell Point Hauled Waste Receiving Station at 10 E. Grand, St. Louis, MO.
 - a. Transporters Name: _____ and MSD Hauler ID Number: _____
 - b. Hazardous Waste Certification:
For wastewater which is hauled to MSD's Bissell Point Hauled Waste Receiving Station, I hereby certify that to the best of my knowledge and belief, the above hauled waste is not classified as a RCRA "hazardous waste" as defined by the MDNR in 10 CSR 25 or USEPA in 40 CFR Part 261.

Applicant name (print): _____

Signature: _____ Date: _____

ADDITIONAL INFORMATION:

V. APPLICANT SIGNATURE AND CERTIFICATION:

This application must be signed by the applicant: either the source contact, or a contractor or agent directly responsible for site activities.

I hereby certify that I am directly responsible for activities at the site regarding the wastewater to be discharged, and to the best of my knowledge and belief, based on appropriate inquiry, the information in this application is true, complete, and accurate. The samples or analyses submitted are representative of the materials to be discharged. If granted approval to discharge, I agree to abide by the MSD Ordinances, and all applicable federal, state and local regulations. I agree to pay the costs of any pre-approval analyses performed by MSD and to pay any applicable disposal charges for the volume and strength of the wastes discharged.

Applicant name (print): David G. Hempleman

Signature: (b) (6) Date: 10-2-02

FOR MSD USE ONLY:		
File Name: _____	ID No: _____	Sample Point No: _____

LABORATORY TEST RESULTS

Date: 09/26/2002

CUSTOMER: SES Engineers, Inc. PROJECT: GSA - SLOP ATTN: David Breher

Customer Sample ID: SRDECON
 Date Sampled: 09/11/2002
 Time Sampled: 09:00
 Sample Matrix: Water

Laboratory Sample ID: 211977-4
 Date Received: 09/12/2002
 Time Received: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
608	Pesticides/PCBs (Organochlorine)										
	Aroclor 1016	ND	U	0.20	0.25	1.00000	ug/L	63780	09/21/02	0325	kdl
	Aroclor 1221	ND	U	0.19	0.25	1.00000	ug/L	63780	09/21/02	0325	kdl
	Aroclor 1232	ND	U	0.12	0.25	1.00000	ug/L	63780	09/21/02	0325	kdl
	Aroclor 1242	ND	U	0.19	0.25	1.00000	ug/L	63780	09/21/02	0325	kdl
	Aroclor 1248	ND	U	0.20	0.25	1.00000	ug/L	63780	09/21/02	0325	kdl
	Aroclor 1254	ND	U	0.15	0.25	1.00000	ug/L	63780	09/21/02	0325	kdl
	Aroclor 1260	5.6	U	0.17	0.25	1.00000	ug/L	63780	09/21/02	0325	kdl
HACH 8000	Chemical Oxygen Demand (HACH)	77		3.4	5.0	1	mg/L	63693	09/25/02	0855	cvw
150.1	Chemical Oxygen Demand (COD)										
	pH (Water)	7.24		0.20	0.20	1	pH Units	62704	09/13/02	1501	cvw
160.3	Solids, Total (TS-Water)										
	Solids, Total (TS-Water)	1190		6.1	10.0	1	mg/L	62831	09/14/02	0810	jmk
160.4	Solids, Total Volatile (TVS)										
	Solids, Total Volatile Suspended (TVSS)	14.0		4.8	5.0	1	mg/L	62954	09/17/02	0752	jmk
160.2	Solids, Total Suspended (TSS)										
	Solids, Total Suspended (TSS)	27		8.0	10	1	mg/L	62801	09/14/02	0645	jmk
7470A	Mercury (CVAA)	0.0098		0.00032	0.0010	5	mg/L	62669	09/13/02	1531	gok
	Mercury										
200.7	Metals Analysis (ICAP Trace)	0.0026		0.00028	0.0010	1	mg/L	63617	09/23/02	1836	tds
	Cadmium										

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Date: 09/26/2002

CUSTOMER: SES Engineers, Inc. PROJECT: GSA - SLOP APTN: David Brechtel

Customer Sample ID: SRDECON
 Date Sampled: 09/11/2002
 Time Sampled: 09:00
 Sample Matrix: Water

Laboratory Sample ID: 211977-4
 Date Received: 09/12/2002
 Time Received: 09:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MBL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
624	Chromium	0.0097		0.0010	0.0050	1	mg/L	63425		09/20/02 1702	pfk	
	Copper	0.24		0.0010	0.0050	1	mg/L	63425		09/20/02 1702	pfk	
	Iron	2.4		0.018	0.025	1	mg/L	63617		09/23/02 1836	tds	
	Lead	1.9		0.0018	0.0025	1	mg/L	63617		09/23/02 1836	tds	
	Nickel	0.021		0.0017	0.0050	1	mg/L	63425		09/20/02 1702	pfk	
	Zinc	0.19		0.0029	0.010	1	mg/L	63425		09/20/02 1702	pfk	
	Volatile Organics											
	Chloromethane	ND		1.8	10	1.00000	ug/L	63799		09/25/02 0045	jab	
	Vinyl chloride	ND		1.9	10	1.00000	ug/L	63799		09/25/02 0045	jab	
	Bromomethane	ND		2.1	10	1.00000	ug/L	63799		09/25/02 0045	jab	
	Chloroethane	ND		2.4	10	1.00000	ug/L	63799		09/25/02 0045	jab	
	Acrolein	ND		130	500	1.00000	ug/L	63799		09/25/02 0045	jab	
1,1-Dichloroethene	ND		2.1	5.0	1.00000	ug/L	63799		09/25/02 0045	jab		
Methylene chloride	ND		1.0	5.0	1.00000	ug/L	63799		09/25/02 0045	jab		
trans-1,2-Dichloroethene	ND		1.6	5.0	1.00000	ug/L	63799		09/25/02 0045	jab		
Acrylonitrile	ND		48	100	1.00000	ug/L	63799		09/25/02 0045	jab		
1,1-Dichloroethane	ND		1.0	5.0	1.00000	ug/L	63799		09/25/02 0045	jab		
Chloroform	ND		0.64	5.0	1.00000	ug/L	63799		09/25/02 0045	jab		
1,1,1-Trichloroethane	ND		0.62	5.0	1.00000	ug/L	63799		09/25/02 0045	jab		
Carbon tetrachloride	ND		0.77	5.0	1.00000	ug/L	63799		09/25/02 0045	jab		
Benzene	ND		0.60	5.0	1.00000	ug/L	63799		09/25/02 0045	jab		
1,2-Dichloroethane	ND		0.57	5.0	1.00000	ug/L	63799		09/25/02 0045	jab		
Trichloroethene	ND		0.48	5.0	1.00000	ug/L	63799		09/25/02 0045	jab		
1,2-Dichloropropane	ND		1.0	5.0	1.00000	ug/L	63799		09/25/02 0045	jab		
Bromodichloromethane	ND		1.8	5.0	1.00000	ug/L	63799		09/25/02 0045	jab		
2-Chloroethylvinylether	ND		5.8	10	1.00000	ug/L	63799		09/25/02 0045	jab		
cis-1,3-Dichloropropene	ND		1.3	5.0	1.00000	ug/L	63799		09/25/02 0045	jab		
Toluene	ND		1.6	5.0	1.00000	ug/L	63799		09/25/02 0045	jab		

* In Description = Dry Wgt.

LABORATORY TEST RESULTS		Date: 09/26/2002									
Job Number: 211977		PROJECT: GSA - SLOP									
CUSTOMER: SCS Engineers, Inc.		ATTN: David Brewer									
Customer Sample ID: SRDECON		Laboratory Sample ID: 211977-4									
Date Sampled.....: 09/11/2002		Date Received.....: 09/12/2002									
Time Sampled.....: 09:00		Time Received.....: 09:10									
Sample Matrix.....: Water											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	trans-1,3-Dichloropropene	ND	U	1.4	5.0	1.00000	ug/L	63799		09/25/02 0045	jab
	1,1,2-Trichloroethane	ND	U	1.3	5.0	1.00000	ug/L	63799		09/25/02 0045	jab
	Tetrachloroethene	ND	U	1.3	5.0	1.00000	ug/L	63799		09/25/02 0045	jab
	Dibromochloromethane	ND	U	1.4	5.0	1.00000	ug/L	63799		09/25/02 0045	jab
	Chlorobenzene	ND	U	0.35	5.0	1.00000	ug/L	63799		09/25/02 0045	jab
	Ethylbenzene	ND	U	0.51	5.0	1.00000	ug/L	63799		09/25/02 0045	jab
	Bromoform	ND	U	1.4	5.0	1.00000	ug/L	63799		09/25/02 0045	jab
	1,1,2,2-Tetrachloroethane	ND	U	1.0	5.0	1.00000	ug/L	63799		09/25/02 0045	jab

* In Description = Dry Wgt.