

Attachment I

Wastewater Discharge Self-

Monitoring Reports


King County
Solid Waste Division

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 5701

Seattle, WA 98104-3855

206-477-4466

711 TTY Relay

www.kingcounty.gov/solidwaste

February 15, 2022

TO: Biniam Zelelow, Industrial Waste Compliance Investigator, Wastewater Treatment Division

FM: Nina Wester, Environmental Scientist III, Solid Waste Division

 RE: Wastewater Discharge Permit # 7842-03 - Cedar Hills – Self-Monitoring Report

The purpose of this memorandum is to enclose the Self-Monitoring Report (SMR) for Cedar Hills (Permit Number 7842-03) for the month of January 2022. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 1/4/22, 1/12/22, 1/19/22, and 1/26/22)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 1/1/22-1/11/22)
- Leachate Hauling Report (for January)

The following exceedances occurred during the month of January:

Parameter	Date of Exceedance	Aware Date	Notification Date and Time
Arsenic Loading	1/4/22	1/14/22	1/14/22 @ 15:23
Arsenic Loading	1/12/22	1/26/22	1/26/22 @ 15:47
Arsenic Loading	1/19/22	1/26/22	1/26/22 @ 15:47

All other results met permit-specified limits. Per KCIW guidance, details regarding January's arsenic loading exceedances are included in the appended 14-day report.

Please contact me directly if you have any questions. I can be reached at (206) 263-3224, or by e-mail at nina.wester@kingcounty.gov.

Enclosures

cc: Glynda Steiner, P.E., CCM, Deputy Division Director, Solid Waste Division (SWD)
 Theresa Thurlow, P.E., Section Manager, SWD
 Jennifer Keune, Interim Supervisor, SWD
 Dan Swope, Engineer III, SWD
 Natalya Usova, Engineer II, SWD



Industrial Waste Program Monthly Self-Monitoring Report
Page 1 of 2

Send to: King County Industrial Waste Program
201 S. Jackson Street, Suite 513
Seattle, WA 98104-3855
Phone 206-477-5300 / FAX 206-263-3001
Email: info:KCIW@kingcounty.gov

Company Name: **King County SWD - Cedar Hills Landfill**

Sample Site No. **A90021**

Permit No.: **7842-03**

Please Specify Month & Year: **Month: January 2022**

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	pH	Arsenic, As		Cadmium, Cd		Chromium, Cr		Copper, Cu		Total Soluble Sulfides LIMIT - 0.1	Daily Industrial Flow LIMIT 2,700,000 (GPD)	Notes (indicate Batch Discharge where applicable)
			LIMIT 1.0	LOAD 0.27	LIMIT 0.5	LOAD 0.17	LIMIT 2.75	LOAD 1.20	LIMIT 3.0	LOAD 6.89			
1													
2													
3													
4	C	8.38	0.0521	0.4157	<0.0005	0.0020	0.038	0.3032	0.00756	0.0603	<0.1	956,800	
5												955,100	
6												1,567,600	
7												1,324,000	
8												872,100	
9												660,200	
10												962,200	
11												943,200	
12	C	8.13	0.041	0.3170	<0.0005	0.0019	0.0252	0.1948	0.00699	0.0540	<0.1	927,100	
13												972,300	
14												938,300	
15												876,000	
16												902,600	
17												779,600	
18												948,400	
19	C	8.30	0.0433	0.3397	<0.0005	0.0020	0.0312	0.2448	0.0083	0.0651	<0.1	940,700	
20												888,900	
21												812,800	
22												908,200	
23												760,600	
24												870,700	
25												921,200	
26	C	8.39	0.0445	0.1646	<0.0005	0.0009	0.033	0.1221	0.0072	0.0266	<0.1	443,500	
27												914,900	
28												852,000	
29												674,100	
30												185,500	
31												611,500	

Monthly Min pH: 8.13
Monthly Max pH: 8.39

1/12/22
1/26/22

Total Monthly Flow (gallons): 26,394,600
Maximum Daily Flow: 1,567,600

Due Date: Monthly report is due by the 15th each month.

1/6/22

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

Feb 15, 2022
Date



Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info@KIW@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

Please Specify Month & Year: Month: January 2022

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	Lead, Pb		Mercury, Hg		Nickel, Ni		Silver, Ag		Zinc, Zn		Notes (indicate Batch Discharge where applicable)
		LIMIT 2.0	LOAD 1.2	LIMIT 0.1	LOAD 0.06	LIMIT 2.5	LOAD 2.49	LIMIT 1.0	LOAD 0.44	LIMIT 5.0	LOAD 12.31	
1												
2												
3												
4	C	<0.000996	0.00395	<0.0001	0.00040	0.0371	0.296	<0.0004	0.0016	0.132	1.053	
5												
6												
7												
8												
9												
10												
11												
12	C	<0.000998	0.00386	<0.0001	0.00039	0.0296	0.229	<0.0004	0.0015	0.104	0.804	
13												
14												
15												
16												
17												
18												
19	C	0.00137	0.01075	<0.0001	0.00039	0.0342	0.268	<0.0004	0.0016	0.166	1.302	
20												
21												
22												
23												
24												
25												
26	C	0.00134	0.00496	<0.0001	0.00018	0.0329	0.122	<0.0004	0.0007	0.108	0.399	
27												
28												
29												
30												
31												

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

 Signature of Principal Executive or Authorized Agent

Feb 15, 2022
 Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.



King County

Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program

201 S. Jackson Street, Suite 513

Seattle, WA 98104-3855

Phone 206-477-5300 / FAX 206-263-3001

Email: info@kciw@kingcounty.gov

H2S Monitoring

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A9002

Permit No.: 7842-03

Please Specify Month & Year: Month: January 2022

This form is available at www.kingcounty.gov/industrialwaste.

All units are PPM unless otherwise noted.

Sample Date (circle)	H ₂ S – Air MAX	H ₂ S – Air Average	Active Discharge during MAX H ₂ S reading? (Y/N)	Notes																								
1	0	0	Y	<table border="1"> <tr><td>Parameter</td><td colspan="3">H₂S – Air</td></tr> <tr><td>Monitoring Period</td><td colspan="3">January 1-11, 2022</td></tr> <tr><td>Limit Type</td><td>15-min average</td><td>8-hr average</td><td>7-day average</td></tr> <tr><td>Limit</td><td>15.0 ppm</td><td>10.0 ppm</td><td>3.0 ppm</td></tr> <tr><td>Max Value</td><td>0</td><td>0</td><td>N/A</td></tr> <tr><td>Value</td><td>N/A</td><td>N/A</td><td>0</td></tr> </table> <p>Per KCIW guidance, the following values are reported for administrative purposes, only:</p> <ul style="list-style-type: none"> • H₂S – Air MAX • H₂S – Air Average • Monthly MAX • Monthly Average <p>The January 1-3, 2022 data were collected as part of the second December monitoring event (December 20, 2021-January 3, 2022.)</p> <p>The Eagle was removed from Site A9002 on January 3, 2022 at 10:31 AM. A full calibration was conducted at 11:58 AM. The Eagle meter was then placed back into A9002 for the January monitoring event (January 3-January 11, 2022) at 12:46 PM. Please see attached R10-52 data for more information.</p>	Parameter	H ₂ S – Air			Monitoring Period	January 1-11, 2022			Limit Type	15-min average	8-hr average	7-day average	Limit	15.0 ppm	10.0 ppm	3.0 ppm	Max Value	0	0	N/A	Value	N/A	N/A	0
Parameter	H ₂ S – Air																											
Monitoring Period	January 1-11, 2022																											
Limit Type	15-min average	8-hr average	7-day average																									
Limit	15.0 ppm	10.0 ppm	3.0 ppm																									
Max Value	0	0	N/A																									
Value	N/A	N/A	0																									
2	0	0	Y																									
3	0	0	Y																									
4	0	0	Y																									
5	0	0	Y																									
6	0	0	Y																									
7	0	0	Y																									
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30																												
31																												
Monthly MAX	0			January 1-11, 2022																								
Monthly AVG	0																											

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

 Signature of Principal Executive or Authorized Agent

Feb 15, 2022
 Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 01/13/2022
 Report Group: CHLS-P_011222

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS220104P**
 SDG/Lab Sample ID: **16579 / L78343-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **01/04/2022**
 LoginDate: **01/05/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.954		.0498	.0498		01/07/2022	01/10/2022	WG179725
Antimony, Total	10	mg/L	.00579		.00299	.00299		01/07/2022	01/10/2022	WG179725
Arsenic, Total	10	mg/L	.0521		.000498	.000498	1	01/07/2022	01/10/2022	WG179725
Barium, Total	10	mg/L	.0677		.00498	.00498		01/07/2022	01/10/2022	WG179725
Beryllium, Total	10	mg/L	<.000996	U	.000996	.000996		01/07/2022	01/10/2022	WG179725
Cadmium, Total	10	mg/L	<.000498	U	.000498	.000498	0.5	01/07/2022	01/10/2022	WG179725
Calcium, Total	10	mg/L	53.1		.498	.498		01/07/2022	01/10/2022	WG179725
Chromium, Total	10	mg/L	.038		.00199	.00199	2.75	01/07/2022	01/10/2022	WG179725
Cobalt, Total	10	mg/L	.0081		.000498	.000498		01/07/2022	01/10/2022	WG179725
Copper, Total	10	mg/L	.00756		.00199	.00199	3	01/07/2022	01/10/2022	WG179725
Iron, Total	10	mg/L	3.33		.0996	.0996		01/07/2022	01/10/2022	WG179725
Lead, Total	10	mg/L	<.000996	U	.000996	.000996	2	01/07/2022	01/10/2022	WG179725
Magnesium, Total	10	mg/L	26.7		.498	.498		01/07/2022	01/10/2022	WG179725
Manganese, Total	10	mg/L	.651		.000996	.000996		01/07/2022	01/10/2022	WG179725
Nickel, Total	10	mg/L	.0371		.000996	.000996	2.5	01/07/2022	01/10/2022	WG179725
Phosphorus, Total	10	mg/L	1.59		.996	.996		01/07/2022	01/10/2022	WG179725
Potassium, Total	10	mg/L	114		.996	.996		01/07/2022	01/10/2022	WG179725
Selenium, Total	10	mg/L	<.00498	U	.00498	.00498		01/07/2022	01/10/2022	WG179725
Silver, Total	10	mg/L	<.000398	U	.000398	.000398	1	01/07/2022	01/10/2022	WG179725
Sodium, Total	10	mg/L	301		.996	.996		01/07/2022	01/10/2022	WG179725
Thallium, Total	10	mg/L	<.000747	U	.000747	.000747		01/07/2022	01/10/2022	WG179725
Tin, Total	10	mg/L	<.00498	U	.00498	.00498		01/07/2022	01/10/2022	WG179725
Vanadium, Total	10	mg/L	.015		.000747	.000747		01/07/2022	01/10/2022	WG179725
Zinc, Total	10	mg/L	.132		.00498	.00498	5	01/07/2022	01/10/2022	WG179725
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		01/10/2022	01/11/2022	WG179780

Target Parameter Count for SDG: 25

Metals

Constituent	D.F.	Unit	Results	Q	MDL	RDL	Reg Limit	Prep Date	Run Date	Run
Aluminum, Total	10	mg/L	.817	D	.0499	.0499		01/14/2022	01/18/2022	WG179876
Antimony, Total	10	mg/L	.00507		.00299	.00299		01/14/2022	01/18/2022	WG179876
Arsenic, Total	10	mg/L	.041		.000499	.000499	1	01/14/2022	01/18/2022	WG179876
Barium, Total	10	mg/L	.0625		.00499	.00499		01/14/2022	01/18/2022	WG179876
Beryllium, Total	10	mg/L	<.000998	U	.000998	.000998		01/14/2022	01/18/2022	WG179876
Cadmium, Total	10	mg/L	<.000499	U	.000499	.000499	0.5	01/14/2022	01/18/2022	WG179876
Calcium, Total	10	mg/L	66.1		.499	.499		01/14/2022	01/18/2022	WG179876
Chromium, Total	10	mg/L	.0252		.002	.002	2.75	01/14/2022	01/18/2022	WG179876
Cobalt, Total	10	mg/L	.00649		.000499	.000499		01/14/2022	01/18/2022	WG179876
Copper, Total	10	mg/L	.00699		.002	.002	3	01/14/2022	01/18/2022	WG179876
Iron, Total	10	mg/L	2.98		.0998	.0998		01/14/2022	01/18/2022	WG179876
Lead, Total	10	mg/L	<.000998	U	.000998	.000998	2	01/14/2022	01/18/2022	WG179876
Magnesium, Total	10	mg/L	22		.499	.499		01/14/2022	01/18/2022	WG179876
Manganese, Total	10	mg/L	.874		.000998	.000998		01/14/2022	01/18/2022	WG179876

Client Sample ID: **LEPS220112P**SDG/Lab Sample ID: **16587 / L78350-1**Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**CollectDate: **01/12/2022**LoginDate: **01/13/2022**Matrix: **LEACHATE**

Metals

Constituent	D.F.	Unit	Results	Q	MDL	RDL	Reg Limit	Prep Date	Run Date	Run
Nickel, Total	10	mg/L	.0296		.000998	.000998	2.5	01/14/2022	01/18/2022	WG179876
Phosphorus, Total	10	mg/L	1.28		.998	.998		01/14/2022	01/18/2022	WG179876
Potassium, Total	10	mg/L	82		.998	.998		01/14/2022	01/18/2022	WG179876
Selenium, Total	10	mg/L	<.00499	U	.00499	.00499		01/14/2022	01/18/2022	WG179876
Silver, Total	10	mg/L	<.000399	U	.000399	.000399	1	01/14/2022	01/18/2022	WG179876
Sodium, Total	10	mg/L	222		.998	.998		01/14/2022	01/18/2022	WG179876

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 01/26/2022
 Report Group: CHLS-P_011922

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS220119P**
 SDG/Lab Sample ID: **16543 / L78355-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **01/19/2022**
 LoginDate: **01/20/2022**
 Matrix: **LEACHATE**

Metals										
Constituent	D.F.	Unit	Results	Q	MDL	RDL	Reg Limit	Prep Date	Run Date	Run
Aluminum, Total	10	mg/L	1.2		.0501	.0501		01/21/2022	01/24/2022	WG179945
Antimony, Total	10	mg/L	.00507		.00301	.00301		01/21/2022	01/24/2022	WG179945
Arsenic, Total	10	mg/L	.0433		.000501	.000501	1	01/21/2022	01/24/2022	WG179945
Barium, Total	10	mg/L	.0705		.00501	.00501		01/21/2022	01/24/2022	WG179945
Beryllium, Total	10	mg/L	<.001	U	.001	.001		01/21/2022	01/24/2022	WG179945
Cadmium, Total	10	mg/L	<.000501	U	.000501	.000501	0.5	01/21/2022	01/24/2022	WG179945
Calcium, Total	10	mg/L	71.8		.501	.501		01/21/2022	01/24/2022	WG179945
Chromium, Total	10	mg/L	.0312		.002	.002	2.75	01/21/2022	01/24/2022	WG179945
Cobalt, Total	10	mg/L	.00736		.000501	.000501		01/21/2022	01/24/2022	WG179945
Copper, Total	10	mg/L	.0083		.002	.002	3	01/21/2022	01/24/2022	WG179945
Iron, Total	10	mg/L	2.95		.1	.1		01/21/2022	01/24/2022	WG179945
Lead, Total	10	mg/L	.00137		.001	.001	2	01/21/2022	01/24/2022	WG179945
Magnesium, Total	10	mg/L	25.8		.501	.501		01/21/2022	01/24/2022	WG179945
Manganese, Total	10	mg/L	.796		.001	.001		01/21/2022	01/24/2022	WG179945
Nickel, Total	10	mg/L	.0342		.001	.001	2.5	01/21/2022	01/24/2022	WG179945
Phosphorus, Total	10	mg/L	1.58		1	1		01/21/2022	01/24/2022	WG179945
Potassium, Total	10	mg/L	94.6		1	1		01/21/2022	01/24/2022	WG179945
Selenium, Total	10	mg/L	<.00501	U	.00501	.00501		01/21/2022	01/24/2022	WG179945
Silver, Total	10	mg/L	<.000401	U	.000401	.000401	1	01/21/2022	01/24/2022	WG179945
Sodium, Total	10	mg/L	254		1	1		01/21/2022	01/24/2022	WG179945
Thallium, Total	10	mg/L	<.000752	U	.000752	.000752		01/21/2022	01/24/2022	WG179945
Tin, Total	10	mg/L	<.00501	U	.00501	.00501		01/21/2022	01/24/2022	WG179945
Vanadium, Total	10	mg/L	.0145		.000752	.000752		01/21/2022	01/24/2022	WG179945
Zinc, Total	10	mg/L	.166		.00501	.00501	5	01/21/2022	01/24/2022	WG179945

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 02/03/2022
 Report Group: CHLS-P_020322

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: LEPS220126P	CollectDate: 01/26/2022
SDG/Lab Sample ID: 16572 / L78508-1	LoginDate: 01/27/2022
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	1.07		.05	.05		01/28/2022	01/31/2022	WG180030
Antimony, Total	10	mg/L	.0052		.003	.003		01/28/2022	01/31/2022	WG180030
Arsenic, Total	10	mg/L	.0445		.0005	.0005	1	01/28/2022	01/31/2022	WG180030
Barium, Total	10	mg/L	.0681		.005	.005		01/28/2022	01/31/2022	WG180030
Beryllium, Total	10	mg/L	<.001	U	.001	.001		01/28/2022	01/31/2022	WG180030
Cadmium, Total	10	mg/L	<.0005	U	.0005	.0005	0.5	01/28/2022	01/31/2022	WG180030
Calcium, Total	10	mg/L	54.3		.5	.5		01/28/2022	01/31/2022	WG180030
Chromium, Total	10	mg/L	.033		.002	.002	2.75	01/28/2022	01/31/2022	WG180030
Cobalt, Total	10	mg/L	.00748		.0005	.0005		01/28/2022	01/31/2022	WG180030
Copper, Total	10	mg/L	.0072		.002	.002	3	01/28/2022	01/31/2022	WG180030
Iron, Total	10	mg/L	2.67		.1	.1		01/28/2022	01/31/2022	WG180030
Lead, Total	10	mg/L	.00134		.001	.001	2	01/28/2022	01/31/2022	WG180030
Magnesium, Total	10	mg/L	24.9		.5	.5		01/28/2022	01/31/2022	WG180030
Manganese, Total	10	mg/L	.633		.001	.001		01/28/2022	01/31/2022	WG180030
Nickel, Total	10	mg/L	.0329		.001	.001	2.5	01/28/2022	01/31/2022	WG180030
Phosphorus, Total	10	mg/L	1.49		1	1		01/28/2022	01/31/2022	WG180030
Potassium, Total	10	mg/L	95		1	1		01/28/2022	01/31/2022	WG180030
Selenium, Total	10	mg/L	<.005	U	.005	.005		01/28/2022	01/31/2022	WG180030
Silver, Total	10	mg/L	<.0004	U	.0004	.0004	1	01/28/2022	01/31/2022	WG180030
Sodium, Total	10	mg/L	257		1	1		01/28/2022	01/31/2022	WG180030
Thallium, Total	10	mg/L	<.00075	U	.00075	.00075		01/28/2022	01/31/2022	WG180030
Tin, Total	10	mg/L	<.005	U	.005	.005		01/28/2022	01/31/2022	WG180030
Vanadium, Total	10	mg/L	.0134		.00075	.00075		01/28/2022	01/31/2022	WG180030
Zinc, Total	10	mg/L	.108		.005	.005	5	01/28/2022	01/31/2022	WG180030
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		01/31/2022	02/01/2022	WG180056

Target Parameter Count for SDG: 25

HYDROGEN SULFIDE GAS AT MANHOLE R10-52

Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	10/1/21 @ 13:56
Sample Count	Interval Time (sec)	Bump Test Date
20107	60	12/15/21 @ 13:44
H2S Readings		
Date	Daily Max	Daily Average
12/20/2021	0	0
12/21/2021	0	0
12/22/2021	0	0
12/23/2021	0	0
12/24/2021	0	0
12/25/2021	0	0
12/26/2021	0	0
12/27/2021	0	0
12/28/2021	0	0
12/29/2021	0	0
12/30/2021	0	0
12/31/2021	0	0
1/1/2022	0	0
1/2/2022	0	0
1/3/2022	0	0

HYDROGEN SULFIDE GAS AT MANHOLE R10-52

Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	1/3/2022 @ 11:58
Sample Count	Interval Time (sec)	Bump Test Date
11654	60	12/15/2021 @ 13:44
H2S Readings		
Date	Daily Max	Daily Average
1/3/2022	0	0
1/4/2022	0	0
1/5/2022	0	0
1/6/2022	0	0
1/7/2022	0	0
1/8/2022	0	0
1/9/2022	0	0
1/10/2022	0	0
1/11/2022	0	0

KING COUNTY SOLID WASTE DIVISION
LEACHATE HAULING REPORT
TANKER LOADS

MONTH: JANUARY
 YEAR: 2022

DATE	DUVALL				VASHON				HOBART		OTHER		REMARKS		
	BRIGHT		C.H.		SPOK.		C.H.		C.H.		C.H.				
LOAD	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000			
1															
2	3														
3		3													
4															
5		1													
6		1													
7		2													
8		1													
9		7													
10		3													
11		4													
12															
13	4														
14	1														
15															
16															
17															
18		3													
19															
20															
21															
22		1													
23															
24															
25															
26															
27															
28															
29															
30															
31															
TOTAL	48000	210000.00	0	21000.00	6000	0.00	108000	434000.00	6000	7000.00	0	0.00	0	0.00	


King County
Solid Waste Division

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 5701

Seattle, WA 98104-3855

206-477-4466

711 TTY Relay

www.kingcounty.gov/solidwaste

March 14, 2022

TO: Biniam Zelelow, Industrial Waste Compliance Investigator, Wastewater Treatment Division

FM: Nina Wester, Environmental Scientist III, Solid Waste Division

 RE: Wastewater Discharge Permit # 7842-03 - Cedar Hills – Self-Monitoring Report

The purpose of this memorandum is to enclose the Self-Monitoring Report (SMR) for Cedar Hills (Permit Number 7842-03) for the month of February 2022. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 2/3/22, 2/9/22, 2/16/22, and 2/22/22)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 2/1/22-2/9/22)
- Leachate Hauling Report (for February)

The following exceedances occurred during the month of February:

Parameter	Date of Exceedance	Aware Date	Notification Date and Time
Arsenic Loading	2/9/22	2/16/22 @ 16:15	2/17/22 @ 15:19
Arsenic Loading	2/16/22	3/7/22 @ 09:56	3/8/22 @ 08:47
Arsenic Loading	2/22/22	3/7/22 @ 09:56	3/8/22 @ 08:47

All other results met permit-specified limits. Per KCIW guidance, details regarding February's arsenic loading exceedances are included in the appended 14-day report.

Please contact me directly if you have any questions. I can be reached at (206) 263-3224, or by e-mail at nina.wester@kingcounty.gov.

Enclosures

cc: Glynda Steiner, P.E., CCM, Deputy Division Director, Solid Waste Division (SWD)
 Theresa Thurlow, P.E., Section Manager, SWD
 Jennifer Keune, Interim Supervisor, SWD
 Dan Swope, Engineer III, SWD
 Natalya Usova, Engineer II, SWD



King County

Industrial Waste Program Monthly Self-Monitoring Report

Page 1 of 2

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info:KCIW@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

Please Specify Month & Year: Month: February 2022

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. LOADING units are Pounds per day (lbs./day)

Sample Date (circle)	Sample Type*	pH	Arsenic, As		Cadmium, Cd		Chromium, Cr		Copper, Cu		Total Soluble Sulfides LIMIT - 0.1	Daily Industrial Flow LIMIT 2,700,000 (GPD)	Notes (indicate Batch Discharge where applicable)
			LIMIT 1.0 (mg/L)	LOAD 0.27 (lbs/day)	LIMIT 0.5 (mg/L)	LOAD 0.17 (lbs/day)	LIMIT 2.75 (mg/L)	LOAD 1.20 (lbs/day)	LIMIT 3.0 (mg/L)	LOAD 6.89 (lbs/day)			
1													
2													
3	C	8.16	0.0564	0.2228	<0.0005	0.0010	0.0418	0.1651	0.00486	0.0192	<0.1 ppm	473,600	
4												829,200	
5												224,200	
6												695,100	
7												0	
8												2,000	
9	C	8.21	0.0759	0.3152	<0.0005	0.0010	0.0501	0.2081	0.00702	0.0292	<0.1 ppm	498,000	
10												0	
11												0	
12												0	
13												0	
14												182,200	
15												530,300	
16	C	8.31	0.0971	0.4376	<0.0005	0.0011	0.0609	0.2745	0.00673	0.0303	<0.1 ppm	540,400	
17												257,500	
18												321,500	
19												302,500	
20												315,600	
21												311,300	
22	C	8.45	0.108	0.2784	<0.0005	0.0006	0.0733	0.1890	0.00821	0.0212	<0.1 ppm	309,100	
23												0	
24												21,000	
25												0	
26												0	
27												395,800	
28												1,721,300	
29												N/A	
30												N/A	
31												N/A	

Monthly Min pH 8.16
 Monthly Max pH 8.45

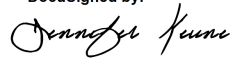
2/3/22
 2/22/22

Total Monthly Flow (gallons) 8,533,300
 Maximum Daily Flow 1,721,300

Due Date: Monthly report is due by the 15th each month.

2/28/22

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

 Signature of Permittee or Authorized Agent
 Mar 14, 2022
 Date



Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info.KCIW@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

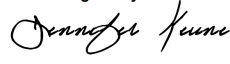
Please Specify Month & Year: Month: February 2022

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	Lead, Pb		Mercury, Hg		Nickel, Ni		Silver, Ag		Zinc, Zn		Notes (indicate Batch Discharge where applicable)
		LIMIT 2.0 (mg/L)	LOAD 1.2 (lbs/day)	LIMIT 0.1 (mg/L)	LOAD 0.06 (lbs/day)	LIMIT 2.5 (mg/L)	LOAD 2.49 (lbs/day)	LIMIT 1.0 (mg/L)	LOAD 0.44 (lbs/day)	LIMIT 5.0 (mg/L)	LOAD 12.31 (lbs/day)	
1												
2												
3	C	<0.000996	0.00197	<0.0001	0.00020	0.0406	0.160	<0.0004	0.0008	0.0938	0.370	
4												
5												
6												
7												
8												
9	C	0.00159	0.00660	<0.0001	0.00021	0.0525	0.218	<0.0004	0.0008	0.139	0.577	
10												
11												
12												
13												
14												
15												
16	C	0.00174	0.00784	<0.0001	0.00023	0.0618	0.279	<0.0004	0.0009	0.155	0.699	
17												
18												
19												
20												
21												
22	C	0.00192	0.00495	<0.0001	0.00013	0.0695	0.179	<0.0004	0.0005	0.157	0.405	
23												
24												
25												
26												
27												
28												
29												
30												
31												

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

 Signature of Principal Executive or Authorized Agent
 Mar 14, 2022
 Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.



King County

Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program

201 S. Jackson Street, Suite 513

Seattle, WA 98104-3855

Phone 206-477-5300 / FAX 206-263-3001

Email: info@kciw@kingcounty.gov

H2S Monitoring

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A9002

Permit No.: 7842-03

Please Specify Month & Year: Month: February 2022

This form is available at www.kingcounty.gov/industrialwaste.

All units are PPM unless otherwise noted.

Sample Date (circle)	H ₂ S - Air MAX	H ₂ S - Air Average	Active Discharge during MAX H ₂ S reading? (Y/N)	Notes																								
1	0	0	Y	<table border="1"> <tr><td>Parameter</td><td colspan="3">H₂S - Air</td></tr> <tr><td>Monitoring Period</td><td>2/1/22-2/9/22</td><td></td><td></td></tr> <tr><td>Limit Type</td><td>15-min average</td><td>8-hr average</td><td>7-day average</td></tr> <tr><td>Limit</td><td>15.0 ppm</td><td>10.0 ppm</td><td>3.0 ppm</td></tr> <tr><td>Max Value</td><td>0</td><td>0</td><td>N/A</td></tr> <tr><td>Value</td><td>N/A</td><td>N/A</td><td>0</td></tr> </table> <p>Per KCIW guidance, the following values are reported for administrative purposes, only:</p> <ul style="list-style-type: none"> • H₂S - Air MAX • H₂S - Air Average • Monthly MAX • Monthly Average 	Parameter	H ₂ S - Air			Monitoring Period	2/1/22-2/9/22			Limit Type	15-min average	8-hr average	7-day average	Limit	15.0 ppm	10.0 ppm	3.0 ppm	Max Value	0	0	N/A	Value	N/A	N/A	0
Parameter	H ₂ S - Air																											
Monitoring Period	2/1/22-2/9/22																											
Limit Type	15-min average	8-hr average	7-day average																									
Limit	15.0 ppm	10.0 ppm	3.0 ppm																									
Max Value	0	0	N/A																									
Value	N/A	N/A	0																									
2	0	0	Y																									
3	0	0	Y																									
4	0	0	Y																									
5	0	0	Y																									
6	0	0	Y																									
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31																												
Monthly MAX	0			2/1/22-2/9/22																								
Monthly AVG	0																											

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

Signature of Principal Executive or Authorized Agent

Mar 14, 2022

Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 02/11/2022
 Report Group: CHLS-P_021022

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS220203P**
 SDG/Lab Sample ID: **16678 / L78532-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **02/03/2022**
 LoginDate: **02/04/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.668		.0498	.0498		02/04/2022	02/07/2022	WG180112
Antimony, Total	10	mg/L	.00623		.00299	.00299		02/04/2022	02/07/2022	WG180112
Arsenic, Total	10	mg/L	.0564		.000498	.000498	1	02/04/2022	02/07/2022	WG180112
Barium, Total	10	mg/L	.0674		.00498	.00498		02/04/2022	02/07/2022	WG180112
Beryllium, Total	10	mg/L	<.000996	U	.000996	.000996		02/04/2022	02/07/2022	WG180112
Cadmium, Total	10	mg/L	<.000498	U	.000498	.000498	0.5	02/04/2022	02/07/2022	WG180112
Calcium, Total	10	mg/L	45.5		.498	.498		02/04/2022	02/07/2022	WG180112
Chromium, Total	10	mg/L	.0418		.00199	.00199	2.75	02/04/2022	02/07/2022	WG180112
Cobalt, Total	10	mg/L	.0096		.000498	.000498		02/04/2022	02/07/2022	WG180112
Copper, Total	10	mg/L	.00486		.00199	.00199	3	02/04/2022	02/07/2022	WG180112
Iron, Total	10	mg/L	2.46		.0996	.0996		02/04/2022	02/07/2022	WG180112
Lead, Total	10	mg/L	<.000996	U	.000996	.000996	2	02/04/2022	02/07/2022	WG180112
Magnesium, Total	10	mg/L	28.9		.498	.498		02/04/2022	02/07/2022	WG180112
Manganese, Total	10	mg/L	.517		.000996	.000996		02/04/2022	02/07/2022	WG180112
Nickel, Total	10	mg/L	.0406		.000996	.000996	2.5	02/04/2022	02/07/2022	WG180112
Phosphorus, Total	10	mg/L	1.45		.996	.996		02/04/2022	02/07/2022	WG180112
Potassium, Total	10	mg/L	125		.996	.996		02/04/2022	02/07/2022	WG180112
Selenium, Total	10	mg/L	<.00498	U	.00498	.00498		02/04/2022	02/07/2022	WG180112
Silver, Total	10	mg/L	<.000398	U	.000398	.000398	1	02/04/2022	02/07/2022	WG180112
Sodium, Total	10	mg/L	333		.996	.996		02/04/2022	02/07/2022	WG180112
Thallium, Total	10	mg/L	<.000747	U	.000747	.000747		02/04/2022	02/07/2022	WG180112
Tin, Total	10	mg/L	<.00498	U	.00498	.00498		02/04/2022	02/07/2022	WG180112
Vanadium, Total	10	mg/L	.0158		.000747	.000747		02/04/2022	02/07/2022	WG180112
Zinc, Total	10	mg/L	.0938		.00498	.00498	5	02/04/2022	02/07/2022	WG180112
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		02/04/2022	02/04/2022	WG180134

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 02/16/2022
 Report Group: CHLS-P_021622

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS220209P**
 SDG/Lab Sample ID: **16625 / L78538-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **02/09/2022**
 LoginDate: **02/09/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	1.03		.05	.05		02/10/2022	02/11/2022	WG180194
Antimony, Total	10	mg/L	.00766		.003	.003		02/10/2022	02/11/2022	WG180194
Arsenic, Total	10	mg/L	.0759		.0005	.0005	1	02/10/2022	02/11/2022	WG180194
Barium, Total	10	mg/L	.0815		.005	.005		02/10/2022	02/11/2022	WG180194
Beryllium, Total	10	mg/L	<.001	U	.001	.001		02/10/2022	02/11/2022	WG180194
Cadmium, Total	10	mg/L	<.0005	U	.0005	.0005	0.5	02/10/2022	02/11/2022	WG180194
Calcium, Total	10	mg/L	46.8		.5	.5		02/10/2022	02/11/2022	WG180194
Chromium, Total	10	mg/L	.0501		.002	.002	2.75	02/10/2022	02/11/2022	WG180194
Cobalt, Total	10	mg/L	.0123		.0005	.0005		02/10/2022	02/11/2022	WG180194
Copper, Total	10	mg/L	.00702		.002	.002	3	02/10/2022	02/11/2022	WG180194
Iron, Total	10	mg/L	3.17		.1	.1		02/10/2022	02/11/2022	WG180194
Lead, Total	10	mg/L	.00159		.001	.001	2	02/10/2022	02/11/2022	WG180194
Magnesium, Total	10	mg/L	34.8		.5	.5		02/10/2022	02/11/2022	WG180194
Manganese, Total	10	mg/L	.535		.001	.001		02/10/2022	02/11/2022	WG180194
Nickel, Total	10	mg/L	.0525		.001	.001	2.5	02/10/2022	02/11/2022	WG180194
Phosphorus, Total	10	mg/L	2.36		1	1		02/10/2022	02/11/2022	WG180194
Potassium, Total	10	mg/L	150		1	1		02/10/2022	02/11/2022	WG180194
Selenium, Total	10	mg/L	<.005	U	.005	.005		02/10/2022	02/11/2022	WG180194
Silver, Total	10	mg/L	<.0004	U	.0004	.0004	1	02/10/2022	02/11/2022	WG180194
Sodium, Total	10	mg/L	420		1	1		02/10/2022	02/11/2022	WG180194
Thallium, Total	10	mg/L	<.00075	U	.00075	.00075		02/10/2022	02/11/2022	WG180194
Tin, Total	10	mg/L	.00641		.005	.005		02/10/2022	02/11/2022	WG180194
Vanadium, Total	10	mg/L	.0201		.00075	.00075		02/10/2022	02/11/2022	WG180194
Zinc, Total	10	mg/L	.139		.005	.005	5	02/10/2022	02/11/2022	WG180194
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		02/11/2022	02/14/2022	WG180233

Target Parameter Count for SDG: 25

Client Sample ID: **LEPS220216P**
 SDG/Lab Sample ID: **16682 / L78536-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **02/16/2022**
 LoginDate: **02/16/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	1.19		.0503	.0503		02/17/2022	02/18/2022	WG180312
Antimony, Total	10	mg/L	.00967		.00302	.00302		02/17/2022	02/18/2022	WG180312
Arsenic, Total	10	mg/L	.0971		.000503	.000503	1	02/17/2022	02/18/2022	WG180312
Barium, Total	10	mg/L	.108		.00503	.00503		02/17/2022	02/18/2022	WG180312
Beryllium, Total	10	mg/L	<.00101	DU	.00101	.00101		02/17/2022	02/18/2022	WG180312
Cadmium, Total	10	mg/L	<.000503	U	.000503	.000503	0.5	02/17/2022	02/18/2022	WG180312
Calcium, Total	10	mg/L	47.8		.503	.503		02/17/2022	02/18/2022	WG180312
Chromium, Total	10	mg/L	.0609		.00201	.00201	2.75	02/17/2022	02/18/2022	WG180312
Cobalt, Total	10	mg/L	.0154		.000503	.000503		02/17/2022	02/18/2022	WG180312
Copper, Total	10	mg/L	.00673		.00201	.00201	3	02/17/2022	02/18/2022	WG180312
Iron, Total	10	mg/L	3.66		.101	.101		02/17/2022	02/18/2022	WG180312
Lead, Total	10	mg/L	.00174		.00101	.00101	2	02/17/2022	02/18/2022	WG180312
Magnesium, Total	10	mg/L	42.1		.503	.503		02/17/2022	02/18/2022	WG180312
Manganese, Total	10	mg/L	.556		.00101	.00101		02/17/2022	02/18/2022	WG180312

Page 1 of 2

Client Sample ID: **LEPS220216P**
 SDG/Lab Sample ID: **16682 / L78536-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **02/16/2022**
 LoginDate: **02/16/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Nickel, Total	10	mg/L	.0618		.00101	.00101	2.5	02/17/2022	02/18/2022	WG180312
Phosphorus, Total	10	mg/L	2.54		1.01	1.01		02/17/2022	02/18/2022	WG180312
Potassium, Total	10	mg/L	194		1.01	1.01		02/17/2022	02/18/2022	WG180312
Selenium, Total	10	mg/L	<.00503	U	.00503	.00503		02/17/2022	02/18/2022	WG180312
Silver, Total	10	mg/L	<.000403	U	.000403	.000403	1	02/17/2022	02/18/2022	WG180312
Sodium, Total	10	mg/L	519		1.01	1.01		02/17/2022	02/18/2022	WG180312
Thallium, Total	10	mg/L	<.000755	U	.000755	.000755		02/17/2022	02/18/2022	WG180312
Tin, Total	10	mg/L	.00668		.00503	.00503		02/17/2022	02/18/2022	WG180312
Vanadium, Total	10	mg/L	.025		.000755	.000755		02/17/2022	02/18/2022	WG180312
Zinc, Total	10	mg/L	.155		.00503	.00503	5	02/17/2022	02/18/2022	WG180312
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		02/17/2022	02/18/2022	WG180318

Target Parameter Count for SDG: 50

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 03/04/2022
 Report Group: CHLS-P_022322

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: LEPS220222P	CollectDate: 02/22/2022
SDG/Lab Sample ID: 16633 / L78664-1	LoginDate: 02/22/2022
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	1.51		.0497	.0497		02/23/2022	02/24/2022	WG180376
Antimony, Total	10	mg/L	.0108		.00298	.00298		02/23/2022	02/24/2022	WG180376
Arsenic, Total	10	mg/L	.108		.000497	.000497	1	02/23/2022	02/24/2022	WG180376
Barium, Total	10	mg/L	.109		.00497	.00497		02/23/2022	02/24/2022	WG180376
Beryllium, Total	10	mg/L	<.000994	U	.000994	.000994		02/23/2022	02/24/2022	WG180376
Cadmium, Total	10	mg/L	<.000497	U	.000497	.000497	0.5	02/23/2022	02/24/2022	WG180376
Calcium, Total	10	mg/L	52.3		.497	.497		02/23/2022	02/24/2022	WG180376
Chromium, Total	10	mg/L	.0733		.00199	.00199	2.75	02/23/2022	02/24/2022	WG180376
Cobalt, Total	10	mg/L	.0161		.000497	.000497		02/23/2022	02/24/2022	WG180376
Copper, Total	10	mg/L	.00821		.00199	.00199	3	02/23/2022	02/24/2022	WG180376
Iron, Total	10	mg/L	4.41		.0994	.0994		02/23/2022	02/24/2022	WG180376
Lead, Total	10	mg/L	.00192		.000994	.000994	2	02/23/2022	02/24/2022	WG180376
Magnesium, Total	10	mg/L	45.3		.497	.497		02/23/2022	02/24/2022	WG180376
Manganese, Total	10	mg/L	.62		.000994	.000994		02/23/2022	02/24/2022	WG180376
Nickel, Total	10	mg/L	.0695		.000994	.000994	2.5	02/23/2022	02/24/2022	WG180376
Phosphorus, Total	10	mg/L	3.43		.994	.994		02/23/2022	02/24/2022	WG180376
Potassium, Total	10	mg/L	222		.994	.994		02/23/2022	02/24/2022	WG180376
Selenium, Total	10	mg/L	<.00497	U	.00497	.00497		02/23/2022	02/24/2022	WG180376
Silver, Total	10	mg/L	<.000398	U	.000398	.000398	1	02/23/2022	02/24/2022	WG180376
Sodium, Total	10	mg/L	582		.994	.994		02/23/2022	02/24/2022	WG180376
Thallium, Total	10	mg/L	<.000746	U	.000746	.000746		02/23/2022	02/24/2022	WG180376
Tin, Total	10	mg/L	.00719		.00497	.00497		02/23/2022	02/24/2022	WG180376
Vanadium, Total	10	mg/L	.0267		.000746	.000746		02/23/2022	02/24/2022	WG180376
Zinc, Total	10	mg/L	.157		.00497	.00497	5	02/23/2022	02/24/2022	WG180376
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		02/25/2022	03/01/2022	WG180418

HYDROGEN SULFIDE GAS AT MANHOLE R10-52		
Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	1/3/2022 @ 11:58
Sample Count	Interval Time (sec)	Bump Test Date
11977	60	1/28/2022 @ 12:27
H2S Readings		
Date	Daily Max	Daily Average
2/1/2022	0	0
2/2/2022	0	0
2/3/2022	0	0
2/4/2022	0	0
2/5/2022	0	0
2/6/2022	0	0
2/7/2022	0	0
2/8/2022	0	0
2/9/2022	0	0

KING COUNTY SOLID WASTE DIVISION
LEACHATE HAULING REPORT
TANKER LOADS

MONTH: FEBRUARY
 YEAR: 2022

DATE	DUVALL				VASHON				HOBART		OTHER		REMARKS		
	BRIGHT		C.H.		SPOK.		C.H.		C.H.						
LOAD	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000			
1								2.00							
2								2.00							
3															
4															
5															
6															
7								2.00							
8								2.00							
9								2.00							
10								2.00							
11								2.00							
12								2.00							
13								2.00							
14		1.00													
15								2.00							
16								2.00							
17								2.00							
18															
19															
20								2.00							
21								2.00							
22		1.00		1.00											
23								2.00							
24															
25															
26															
27								2.00							
28															
29															
30															
31															
TOTAL	0	14000.00	0	7000.00	0	0.00	0	224000.00	0	0.00	0	0.00	0	0.00	


King County
Solid Waste Division

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 5701

Seattle, WA 98104-3855

206-477-4466

711 TTY Relay

www.kingcounty.gov/solidwaste

April 13, 2022

TO: Biniam Zelelow, Industrial Waste Compliance Investigator, Wastewater Treatment Division

FM: Nina Wester, Environmental Scientist III, Solid Waste Division

 RE: Wastewater Discharge Permit # 7842-03 - Cedar Hills – Self-Monitoring Report

The purpose of this memorandum is to enclose the Self-Monitoring Report (SMR) for Cedar Hills (Permit Number 7842-03) for the month of March 2022. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 3/3/22, 3/7/22, 3/16/22, 3/22/22, and 3/29/22)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 3/1/22-3/9/22)
- Leachate Hauling Report (for March)

The following exceedances occurred during the month of March:

Parameter	Date of Exceedance	Aware Date	Notification Date and Time
Arsenic Loading	3/3/22	3/14/22	3/14/22 @ 11:09
Arsenic Loading	3/7/22	3/17/22	3/17/22 @ 13:09
Arsenic Loading	3/16/22	3/25/22	3/25/22 @ 14:10

All other results met permit-specified limits. Per KCIW guidance, details regarding March's arsenic loading exceedances are included in the appended 14-day report.

Please contact me directly if you have any questions. I can be reached at (206) 263-3224, or by e-mail at nina.wester@kingcounty.gov.

Enclosures

cc: Glynda Steiner, P.E., CCM, Deputy Division Director, Solid Waste Division (SWD)
 Theresa Thurlow, P.E., Section Manager, SWD
 Jennifer Keune, Interim Supervisor, SWD
 Dan Swope, Engineer III, SWD
 Natalya Usova, Engineer II, SWD



Industrial Waste Program Monthly Self-Monitoring Report
Page 1 of 2

Company Name: **King County SWD - Cedar Hills Landfill**

Sample Site No. **A90021**

Permit No.: **7842-03**

Please Specify Month & Year: **Month: March 2022**

This form is available at www.kingcounty.gov/industrialwaste.

Send to: King County Industrial Waste Program
201 S. Jackson Street, Suite 513
Seattle, WA 98104-3855
Phone 206-477-5300 / FAX 206-263-3001
Email: info@KIW@kingcounty.gov

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	pH	Arsenic, As		Cadmium, Cd		Chromium, Cr		Copper, Cu		Total Soluble Sulfides LIMIT - 0.1 mg/L	Daily Industrial Flow LIMIT 2,700,000 (GPD)	Notes (indicate Batch Discharge where applicable)
			LIMIT 1.0 (mg/L)	LOAD 0.27 (lbs/day)	LIMIT 0.5 (mg/L)	LOAD 0.17 (lbs/day)	LIMIT 2.75 (mg/L)	LOAD 1.20 (lbs/day)	LIMIT 3.0 (mg/L)	LOAD 6.89 (lbs/day)			
1													
2													
3	C	8.30	0.0619	0.8251	<0.0005	0.0033	0.0432	0.5758	0.00951	0.1268	<0.1	1,557,300	
4												1,598,200	
5												1,581,700	
6												876,300	
7	C	8.29	0.0477	0.5995	<0.0005	0.0031	0.0328	0.4122	0.00759	0.0954	<0.1	1,506,900	
8												813,100	
9												1,522,100	
10												1,413,700	
11												1,011,000	
12												410,800	
13												0	
14												95,900	
15												1,278,400	
16	C	8.16	0.0549	0.5037	<0.0005	0.0023	0.042	0.3853	0.00806	0.0739	<0.1	193,800	
17												1,100,100	
18												170,400	
19												592,500	
20												999,000	
21												508,200	
22	C	8.17	0.0563	0.2416	<0.0005	0.0011	0.0424	0.1820	0.00723	0.0310	<0.1	516,100	
23												544,600	
24												1,112,000	
25												1,104,000	
26												1,067,200	
27												549,400	
28												282,800	
29	C	8.25	0.0642	0.2519	<0.0005	0.0010	0.0487	0.1911	0.00673	0.0264	<0.1	0	
30												470,400	
31												308,300	
Monthly Min pH		8.16	Total Monthly Flow (gallons)		327,400		Daily Industrial Flow		25,147,700				
Monthly Max pH		8.30	Maximum Daily Flow		1,666,100		Notes						

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

Signature of Principal Executive or Authorized Agent
Date: **Apr 13, 2022**



Industrial Waste Program Monthly Self-Monitoring Report
 Page 2 of 2

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info@KIW@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

Please Specify Month & Year: Month: March 2022

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	Lead, Pb		Mercury, Hg		Nickel, Ni		Silver, Ag		Zinc, Zn		Notes (Indicate Batch Discharge where applicable)
		LIMIT 2.0 (mg/L)	LOAD 1.2 (lbs/day)	LIMIT 0.1 (mg/L)	LOAD 0.06 (lbs/day)	LIMIT 2.5 (mg/L)	LOAD 2.49 (lbs/day)	LIMIT 1.0 (mg/L)	LOAD 0.44 (lbs/day)	LIMIT 5.0 (mg/L)	LOAD 12.31 (lbs/day)	
1												
2												
3	C	0.00154	0.02053	<0.0001	0.00067	0.0436	0.581	<0.0004	0.0027	0.0898	1.197	
4												
5												
6												
7	C	0.00135	0.01697	<0.00005	0.00031	0.0362	0.455	<0.0004	0.0025	0.108	1.357	
8												
9												
10												
11												
12												
13												
14												
15												
16	C	0.00139	0.01275	<0.0001	0.00046	0.0446	0.409	<0.0004	0.0018	0.122	1.119	
17												
18												
19												
20												
21												
22	C	0.00122	0.00524	<0.0001	0.00021	0.0436	0.187	<0.0004	0.0009	0.0978	0.420	
23												
24												
25												
26												
27												
28												
29	C	0.00108	0.00424	<0.0001	0.00020	0.0481	0.189	<0.0004	0.0008	0.0968	0.380	
30												
31												

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

Apr 13, 2022

Signature of Principal Executive or Authorized Agent

Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.



King County

Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program

201 S. Jackson Street, Suite 513

Seattle, WA 98104-3855

Phone 206-477-5300 / FAX 206-263-3001

Email: info.kciw@kingcounty.gov

H2S Monitoring

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A9002

Permit No.: 7842-03

Please Specify Month & Year: Month: March 2022

This form is available at www.kingcounty.gov/industrialwaste.

All units are PPM unless otherwise noted.

Sample Date (circle)	H ₂ S - Air MAX	H ₂ S - Air Average	Active Discharge during MAX H ₂ S reading? (Y/N)	Notes																								
1	0	0	Y	<table border="1"> <tr><td>Parameter</td><td colspan="3">H₂S - Air</td></tr> <tr><td>Monitoring Period</td><td>3/1/22-3/9/22</td><td></td><td></td></tr> <tr><td>Limit Type</td><td>15-min average</td><td>8-hr average</td><td>7-day average</td></tr> <tr><td>Limit</td><td>15.0 ppm</td><td>10.0 ppm</td><td>3.0 ppm</td></tr> <tr><td>Max Value</td><td>0</td><td>0</td><td>N/A</td></tr> <tr><td>Value</td><td>N/A</td><td>N/A</td><td>0</td></tr> </table> <p>Per KCIW guidance, the following values are reported for administrative purposes, only:</p> <ul style="list-style-type: none"> • H₂S - Air MAX • H₂S - Air Average • Monthly MAX • Monthly Average 	Parameter	H ₂ S - Air			Monitoring Period	3/1/22-3/9/22			Limit Type	15-min average	8-hr average	7-day average	Limit	15.0 ppm	10.0 ppm	3.0 ppm	Max Value	0	0	N/A	Value	N/A	N/A	0
Parameter	H ₂ S - Air																											
Monitoring Period	3/1/22-3/9/22																											
Limit Type	15-min average	8-hr average	7-day average																									
Limit	15.0 ppm	10.0 ppm	3.0 ppm																									
Max Value	0	0	N/A																									
Value	N/A	N/A	0																									
2	0	0	Y																									
3	0	0	Y																									
4	0	0	Y																									
5	0	0	Y																									
6	0	0	Y																									
7	0	0	Y																									
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31																												
Monthly MAX	0			3/1/22-3/9/22																								
Monthly AVG	0																											

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

Signature of Principal Executive or Authorized Agent

Apr 13, 2022

Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 03/11/2022
 Report Group: CHLS-P_031122

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS220303P**
 SDG/Lab Sample ID: **16605 / L78675-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **03/03/2022**
 LoginDate: **03/04/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals			MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q							
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		03/04/2022	03/04/2022	WG180518	
Aluminum, Total	10	mg/L	1.23	D	.0508	.0508		03/04/2022	03/07/2022	WG180519	
Antimony, Total	10	mg/L	.00693		.00305	.00305		03/04/2022	03/07/2022	WG180519	
Arsenic, Total	10	mg/L	.0619		.000508	.000508	1	03/04/2022	03/07/2022	WG180519	
Barium, Total	10	mg/L	.0733		.00508	.00508		03/04/2022	03/07/2022	WG180519	
Beryllium, Total	10	mg/L	<.00102	U	.00102	.00102		03/04/2022	03/07/2022	WG180519	
Cadmium, Total	10	mg/L	<.000508	U	.000508	.000508	0.5	03/04/2022	03/07/2022	WG180519	
Calcium, Total	10	mg/L	44.1		.508	.508		03/04/2022	03/07/2022	WG180519	
Chromium, Total	10	mg/L	.0432		.00203	.00203	2.75	03/04/2022	03/07/2022	WG180519	
Cobalt, Total	10	mg/L	.0102		.000508	.000508		03/04/2022	03/07/2022	WG180519	
Copper, Total	10	mg/L	.00951		.00203	.00203	3	03/04/2022	03/07/2022	WG180519	
Iron, Total	10	mg/L	3.85		.102	.102		03/04/2022	03/07/2022	WG180519	
Lead, Total	10	mg/L	.00154		.00102	.00102	2	03/04/2022	03/07/2022	WG180519	
Magnesium, Total	10	mg/L	28.5		.508	.508		03/04/2022	03/07/2022	WG180519	
Manganese, Total	10	mg/L	.605		.00102	.00102		03/04/2022	03/07/2022	WG180519	
Nickel, Total	10	mg/L	.0436		.00102	.00102	2.5	03/04/2022	03/07/2022	WG180519	
Phosphorus, Total	10	mg/L	1.98	D	1.02	1.02		03/04/2022	03/07/2022	WG180519	
Potassium, Total	10	mg/L	129		1.02	1.02		03/04/2022	03/07/2022	WG180519	
Selenium, Total	10	mg/L	<.00508	U	.00508	.00508		03/04/2022	03/07/2022	WG180519	
Silver, Total	10	mg/L	<.000406	U	.000406	.000406	1	03/04/2022	03/07/2022	WG180519	
Sodium, Total	10	mg/L	331	D	1.02	1.02		03/04/2022	03/07/2022	WG180519	
Thallium, Total	10	mg/L	<.000762	U	.000762	.000762		03/04/2022	03/07/2022	WG180519	
Tin, Total	10	mg/L	<.00508	U	.00508	.00508		03/04/2022	03/07/2022	WG180519	
Vanadium, Total	10	mg/L	.0176		.000762	.000762		03/04/2022	03/07/2022	WG180519	
Zinc, Total	10	mg/L	.0898		.00499	.00499	5	03/08/2022	03/09/2022	WG180583	

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 03/16/2022
 Report Group: CHLS-P_031522

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS220307P**
 SDG/Lab Sample ID: **16608 / L78711-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **03/07/2022**
 LoginDate: **03/08/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q								
Aluminum, Total	10	mg/L	1.09	D		.0495	.0495		03/09/2022	03/14/2022	WG180599	
Antimony, Total	10	mg/L	.00517			.00297	.00297		03/09/2022	03/14/2022	WG180599	
Arsenic, Total	10	mg/L	.0477			.000495	.000495	1	03/09/2022	03/14/2022	WG180599	
Barium, Total	10	mg/L	.0721			.00495	.00495		03/09/2022	03/14/2022	WG180599	
Beryllium, Total	10	mg/L	<.00099	U		.00099	.00099		03/09/2022	03/14/2022	WG180599	
Cadmium, Total	10	mg/L	<.000495	U		.000495	.000495	0.5	03/09/2022	03/14/2022	WG180599	
Calcium, Total	10	mg/L	69.2			.495	.495		03/09/2022	03/14/2022	WG180599	
Chromium, Total	10	mg/L	.0328			.00198	.00198	2.75	03/09/2022	03/14/2022	WG180599	
Cobalt, Total	10	mg/L	.00781			.000495	.000495		03/09/2022	03/14/2022	WG180599	
Copper, Total	10	mg/L	.00759			.00198	.00198	3	03/09/2022	03/14/2022	WG180599	
Iron, Total	10	mg/L	3.28			.099	.099		03/09/2022	03/14/2022	WG180599	
Lead, Total	10	mg/L	.00135			.00099	.00099	2	03/09/2022	03/14/2022	WG180599	
Magnesium, Total	10	mg/L	27.6			.495	.495		03/09/2022	03/14/2022	WG180599	
Manganese, Total	10	mg/L	.902			.00099	.00099		03/09/2022	03/14/2022	WG180599	
Nickel, Total	10	mg/L	.0362			.00099	.00099	2.5	03/09/2022	03/14/2022	WG180599	
Phosphorus, Total	10	mg/L	1.72			.99	.99		03/09/2022	03/14/2022	WG180599	
Potassium, Total	10	mg/L	108			.99	.99		03/09/2022	03/14/2022	WG180599	
Selenium, Total	10	mg/L	<.00495	U		.00495	.00495		03/09/2022	03/14/2022	WG180599	
Silver, Total	10	mg/L	<.000396	U		.000396	.000396	1	03/09/2022	03/14/2022	WG180599	
Sodium, Total	10	mg/L	288			.99	.99		03/09/2022	03/14/2022	WG180599	
Thallium, Total	10	mg/L	<.000743	U		.000743	.000743		03/09/2022	03/14/2022	WG180599	
Tin, Total	10	mg/L	<.00495	U		.00495	.00495		03/09/2022	03/14/2022	WG180599	
Vanadium, Total	10	mg/L	.016			.000743	.000743		03/09/2022	03/14/2022	WG180599	
Zinc, Total	10	mg/L	.108			.00495	.00495	5	03/09/2022	03/14/2022	WG180599	
Mercury, Total	1	mg/L	<.00005	U		.00005	.00005		03/11/2022	03/14/2022	WG180673	

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 03/24/2022
 Report Group: CHLS-P_032422

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS220316P**
 SDG/Lab Sample ID: **16663 / L78715-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **03/16/2022**
 LoginDate: **03/17/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.993		.0501	.0501		03/18/2022	03/21/2022	WG180764
Antimony, Total	10	mg/L	.00645		.003	.003		03/18/2022	03/21/2022	WG180764
Arsenic, Total	10	mg/L	.0549		.000501	.000501	1	03/18/2022	03/21/2022	WG180764
Barium, Total	10	mg/L	.0853		.00501	.00501		03/18/2022	03/21/2022	WG180764
Beryllium, Total	10	mg/L	<.001	U	.001	.001		03/18/2022	03/21/2022	WG180764
Cadmium, Total	10	mg/L	<.000501	U	.000501	.000501	0.5	03/18/2022	03/21/2022	WG180764
Calcium, Total	10	mg/L	63.9		.501	.501		03/18/2022	03/21/2022	WG180764
Chromium, Total	10	mg/L	.042		.002	.002	2.75	03/18/2022	03/21/2022	WG180764
Cobalt, Total	10	mg/L	.00948		.000501	.000501		03/18/2022	03/21/2022	WG180764
Copper, Total	10	mg/L	.00806		.002	.002	3	03/18/2022	03/21/2022	WG180764
Iron, Total	10	mg/L	3.5		.1	.1		03/18/2022	03/21/2022	WG180764
Lead, Total	10	mg/L	.00139		.001	.001	2	03/18/2022	03/21/2022	WG180764
Magnesium, Total	10	mg/L	32		.501	.501		03/18/2022	03/21/2022	WG180764
Manganese, Total	10	mg/L	.721		.001	.001		03/18/2022	03/21/2022	WG180764
Nickel, Total	10	mg/L	.0446		.001	.001	2.5	03/18/2022	03/21/2022	WG180764
Phosphorus, Total	10	mg/L	2.07		1	1		03/18/2022	03/21/2022	WG180764
Potassium, Total	10	mg/L	128		1	1		03/18/2022	03/21/2022	WG180764
Selenium, Total	10	mg/L	<.00501	U	.00501	.00501		03/18/2022	03/21/2022	WG180764
Silver, Total	10	mg/L	<.000401	U	.000401	.000401	1	03/18/2022	03/21/2022	WG180764
Sodium, Total	10	mg/L	343		1	1		03/18/2022	03/21/2022	WG180764
Thallium, Total	10	mg/L	<.000751	U	.000751	.000751		03/18/2022	03/21/2022	WG180764
Tin, Total	10	mg/L	<.00501	U	.00501	.00501		03/18/2022	03/21/2022	WG180764
Vanadium, Total	10	mg/L	.0174	D	.000751	.000751		03/18/2022	03/21/2022	WG180764
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		03/18/2022	03/18/2022	WG180771
Zinc, Total	10	mg/L	.122		.005	.005	5	03/21/2022	03/22/2022	WG180806

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 04/01/2022
 Report Group: CHLS-P_032922

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS220322P**
 SDG/Lab Sample ID: **16667 / L78716-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **03/22/2022**
 LoginDate: **03/23/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals			MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q							
Aluminum, Total	10	mg/L	.888	D	.0505	.0505		03/24/2022	03/28/2022	WG180867	
Antimony, Total	10	mg/L	.00703		.00303	.00303		03/24/2022	03/25/2022	WG180867	
Arsenic, Total	10	mg/L	.0563		.000505	.000505	1	03/24/2022	03/25/2022	WG180867	
Barium, Total	10	mg/L	.0829		.00505	.00505		03/24/2022	03/25/2022	WG180867	
Beryllium, Total	10	mg/L	<.00101	U	.00101	.00101		03/24/2022	03/25/2022	WG180867	
Cadmium, Total	10	mg/L	<.000505	U	.000505	.000505	0.5	03/24/2022	03/25/2022	WG180867	
Calcium, Total	10	mg/L	63.6		.505	.505		03/24/2022	03/25/2022	WG180867	
Chromium, Total	10	mg/L	.0424		.00202	.00202	2.75	03/24/2022	03/25/2022	WG180867	
Cobalt, Total	10	mg/L	.00947		.000505	.000505		03/24/2022	03/25/2022	WG180867	
Copper, Total	10	mg/L	.00723		.00202	.00202	3	03/24/2022	03/25/2022	WG180867	
Iron, Total	10	mg/L	3.73		.101	.101		03/24/2022	03/25/2022	WG180867	
Lead, Total	10	mg/L	.00122		.00101	.00101	2	03/24/2022	03/25/2022	WG180867	
Magnesium, Total	10	mg/L	31.7		.505	.505		03/24/2022	03/25/2022	WG180867	
Manganese, Total	10	mg/L	.677		.00101	.00101		03/24/2022	03/25/2022	WG180867	
Nickel, Total	10	mg/L	.0436		.00101	.00101	2.5	03/24/2022	03/25/2022	WG180867	
Phosphorus, Total	10	mg/L	2.07		1.01	1.01		03/24/2022	03/25/2022	WG180867	
Potassium, Total	10	mg/L	131		1.01	1.01		03/24/2022	03/25/2022	WG180867	
Selenium, Total	10	mg/L	<.00505	U	.00505	.00505		03/24/2022	03/25/2022	WG180867	
Silver, Total	10	mg/L	<.000404	U	.000404	.000404	1	03/24/2022	03/25/2022	WG180867	
Sodium, Total	10	mg/L	343		1.01	1.01		03/24/2022	03/25/2022	WG180867	
Thallium, Total	10	mg/L	<.000758	U	.000758	.000758		03/24/2022	03/25/2022	WG180867	
Tin, Total	10	mg/L	<.00505	U	.00505	.00505		03/24/2022	03/25/2022	WG180867	
Vanadium, Total	10	mg/L	.0173		.000758	.000758		03/24/2022	03/25/2022	WG180867	
Zinc, Total	10	mg/L	.0978		.00505	.00505	5	03/24/2022	03/25/2022	WG180867	
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		03/28/2022	03/30/2022	WG180917	

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 04/08/2022
 Report Group: CHLS-P_040622

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS220329P**
 SDG/Lab Sample ID: **16671 / L78717-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **03/29/2022**
 LoginDate: **03/30/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.831		.0501	.0501		03/31/2022	04/01/2022	WG180964
Antimony, Total	10	mg/L	.00731		.00301	.00301		03/31/2022	04/01/2022	WG180964
Arsenic, Total	10	mg/L	.0642		.000501	.000501	1	03/31/2022	04/01/2022	WG180964
Barium, Total	10	mg/L	.0869		.00501	.00501		03/31/2022	04/01/2022	WG180964
Beryllium, Total	10	mg/L	<.001	U	.001	.001		03/31/2022	04/01/2022	WG180964
Cadmium, Total	10	mg/L	<.000501	U	.000501	.000501	0.5	03/31/2022	04/01/2022	WG180964
Calcium, Total	10	mg/L	63.2		.501	.501		03/31/2022	04/01/2022	WG180964
Chromium, Total	10	mg/L	.0487		.002	.002	2.75	03/31/2022	04/01/2022	WG180964
Cobalt, Total	10	mg/L	.0109		.000501	.000501		03/31/2022	04/01/2022	WG180964
Copper, Total	10	mg/L	.00673		.002	.002	3	03/31/2022	04/01/2022	WG180964
Iron, Total	10	mg/L	4.09		.1	.1		03/31/2022	04/01/2022	WG180964
Lead, Total	10	mg/L	.00108		.001	.001	2	03/31/2022	04/01/2022	WG180964
Magnesium, Total	10	mg/L	34.9		.501	.501		03/31/2022	04/01/2022	WG180964
Manganese, Total	10	mg/L	.643		.001	.001		03/31/2022	04/01/2022	WG180964
Nickel, Total	10	mg/L	.0481		.001	.001	2.5	03/31/2022	04/01/2022	WG180964
Phosphorus, Total	10	mg/L	2.06		1	1		03/31/2022	04/01/2022	WG180964
Potassium, Total	10	mg/L	151		1	1		03/31/2022	04/01/2022	WG180964
Selenium, Total	10	mg/L	<.00501	U	.00501	.00501		03/31/2022	04/01/2022	WG180964
Silver, Total	10	mg/L	<.000401	U	.000401	.000401	1	03/31/2022	04/01/2022	WG180964
Sodium, Total	10	mg/L	393		1	1		03/31/2022	04/01/2022	WG180964
Thallium, Total	10	mg/L	<.000752	U	.000752	.000752		03/31/2022	04/01/2022	WG180964
Tin, Total	10	mg/L	.00561		.00501	.00501		03/31/2022	04/01/2022	WG180964
Vanadium, Total	10	mg/L	.0178		.000752	.000752		03/31/2022	04/01/2022	WG180964
Zinc, Total	10	mg/L	.0968		.00501	.00501	5	03/31/2022	04/01/2022	WG180964
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		03/31/2022	04/01/2022	WG180981

Target Parameter Count for SDG: 25

HYDROGEN SULFIDE GAS AT MANHOLE R10-52		
Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	1/3/2022 @ 11:58
Sample Count	Interval Time (sec)	Bump Test Date
11339	60	3/1/2022 @ 15:27
H2S Readings		
Date	Daily Max	Daily Average
3/1/2022	0	0
3/2/2022	0	0
3/3/2022	0	0
3/4/2022	0	0
3/5/2022	0	0
3/6/2022	0	0
3/7/2022	0	0
3/8/2022	0	0
3/9/2022	0	0

KING COUNTY SOLID WASTE DIVISION
LEACHATE HAULING REPORT
TANKER LOADS

MONTH: MARCH
 YEAR: 2022

DATE	DUVALL				VASHON				HOBART		OTHER		REMARKS	
	BRIGHT		C.H.		SPOK.		C.H.		C.H.		C.H.			
LOAD	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000		
1			3											
2			2					1						
3			1					1						
4			3											
5								2						
6														
7			3											
8								2						
9								2						
10					1			1						
11								2						
12								2						
13					1			1						
14								2						
15								2						
16								2						
17								2						
18			1					1						
19														
20														
21			1					1						
22								2						
23			3											
24														
25			3											
26														
27					1									
28														
29														
30														
31			2											
TOTAL	0	154000	0	21000	0	0	0	182000	0	0	0	0	0	



King County

Solid Waste Division

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 5701

Seattle, WA 98104-3855

206-477-4466

711 TTY Relay

www.kingcounty.gov/solidwaste

May 13, 2022

TO: Biniam Zelelow, Industrial Waste Compliance Investigator, Wastewater Treatment Division

FM: Nina Wester, Environmental Scientist III, Solid Waste Division (SWD)

RE: Wastewater Discharge Permit # 7842-03 - Cedar Hills – Self-Monitoring Report

The purpose of this memorandum is to enclose the Self-Monitoring Report (SMR) for Cedar Hills (Permit Number 7842-03) for the month of April 2022. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 4/5/22, 4/12/22, 4/19/22, and 4/26/22)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 4/7/22-4/15/22)
- Leachate Hauling Report (for April)

The following exceedances occurred during the month of April:

Parameter	Date of Exceedance	Aware Date	Notification Date and Time
Arsenic Loading	4/12/22	4/26/22	4/26/22 @ 10:50
Arsenic Loading	4/19/22	5/3/22	5/4/22 @ 06:28

All other results met permit-specified limits.

On 4/1/22, a leak was discovered in the pipeline that conveys leachate from Cedar Hills to South Plant in Renton. The leak was located along State Route 169 (Maple Valley Highway) near mile marker 20. The King County Solid Waste Division (SWD) immediately ceased Cedar Hills pumping operations and began investigating the cause of the leak. Excavation revealed a failed joint between two segments of piping and repairs were completed on 4/6/22.

While the leachate pipeline was offline, SWD transported leachate via tanker truck from Cedar Hills to South Plant. Authorization to do so was requested on 4/1/22 and granted on 4/4/22. Tanker loads were delivered between 4/2/22-4/6/22. In accordance with KCIW guidance, a leachate permit sample was obtained on 4/5/22 by setting up the composite sampler to draw aliquots directly from the east lagoon for 14.5 hours. This period represents the total hours that SWD was hauling leachate to South Treatment Plant on that day. No exceedances occurred during this time.

Biniam Zelelow

May 13, 2021

Page 2

Per KCIW guidance, details regarding April's arsenic loading exceedances are included in the appended 14-day report.

Please contact me directly if you have any questions. I can be reached at (206) 263-3224, or by e-mail at nina.wester@kingcounty.gov.

Enclosures

cc: Glynda Steiner, P.E., CCM, Deputy Division Director, Solid Waste Division (SWD)
Theresa Thurlow, P.E., Section Manager, SWD
Jennifer Keune, Interim Supervisor, SWD
Dan Swope, Engineer III, SWD
Natalya Usova, Engineer II, SWD



King County

Industrial Waste Program Monthly Self-Monitoring Report

Page 1 of 2

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info:KCIW@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

Please Specify Month & Year: Month: April 2022

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. LOADING units are Pounds per day (lbs./day)

Sample Date (circle)	Sample Type*	pH	Arsenic, As		Cadmium, Cd		Chromium, Cr		Copper, Cu		Total Soluble Sulfides LIMIT - 0.1 mg/L	Daily Industrial Flow LIMIT 2,700,000 (GPD)	Notes (indicate Batch Discharge where applicable)
			LIMIT 1.0 (mg/L)	LOAD 0.27 (lbs/day)	LIMIT 0.5 (mg/L)	LOAD 0.17 (lbs/day)	LIMIT 2.75 (mg/L)	LOAD 1.20 (lbs/day)	LIMIT 3.0 (mg/L)	LOAD 6.89 (lbs/day)			
1												466,000	
2												100,000	From April 2-
3												73,000	April 6, leachate
4												40,000	was hauled via
5	C	8.27	0.0868	0.1209	<0.0005	0.0003	0.0603	0.0840	0.00673	0.0094	<0.1	167,000	tanker to South
6												216,000	Treatment Plant
7												1,523,100	while SWD
8												1,011,600	completed repairs
9												212,200	on the Cedar Hills
10												0	leachate pipeline.
11												0	
12	C	8.26	0.0827	0.2809	<0.0005	0.0009	0.06	0.2038	0.00632	0.0215	<0.1	407,300	
13												988,900	
14												0	
15												0	
16												419,100	
17												320,600	
18												420,100	
19	C	8.25	0.097	0.3416	<0.0005	0.0009	0.0716	0.2521	0.00647	0.0228	<0.1	422,200	
20												411,500	
21												0	
22												411,200	
23												451,400	
24												390,900	
25												306,600	
26	C	8.24	0.102	0.2611	<0.0005	0.0006	0.0696	0.1781	0.00537	0.0137	<0.1	306,900	
27												210,400	
28												208,500	
29												212,600	
30												304,100	
31												N/A	

Monthly Min pH	8.24
Monthly Max pH	8.27

4/26/22
4/5/22

Total Monthly Flow (gallons)	10,001,200
Maximum Daily Flow	1,523,100

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

4/7/22

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

Signature of Principal Executive or Authorized Agent: *[Signature]*
 Date: May 13, 2022



Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info.kciw@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

Please Specify Month & Year: Month: April 2022

This form is available at www.kingcounty.gov/industrialwaste.

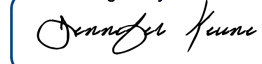
* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	Lead, Pb		Mercury, Hg		Nickel, Ni		Silver, Ag		Zinc, Zn		Notes (indicate Batch Discharge where applicable)
		LIMIT 2.0 (mg/L)	LOAD 1.2 (lbs/day)	LIMIT 0.1 (mg/L)	LOAD 0.06 (lbs/day)	LIMIT 2.5 (mg/L)	LOAD 2.49 (lbs/day)	LIMIT 1.0 (mg/L)	LOAD 0.44 (lbs/day)	LIMIT 5.0 (mg/L)	LOAD 12.31 (lbs/day)	
1												
2												
3												
4												
5	C	0.00106	0.00148	<0.0001	0.00007	0.0568	0.079	<0.0004	0.0003	0.0896	0.125	
6												
7												
8												
9												
10												
11												
12	C	0.00112	0.00380	<0.0001	0.00017	0.0612	0.208	<0.0004	0.0007	0.111	0.377	
13												
14												
15												
16												
17												
18												
19	C	0.00124	0.00437	<0.0001	0.00018	0.0701	0.247	<0.0004	0.0007	0.113	0.398	
20												
21												
22												
23												
24												
25												
26	C	0.00113	0.00289	<0.0001	0.00013	0.0725	0.186	<0.0004	0.0005	0.101	0.259	
27												
28												
29												
30												
31												

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

 Signature of Principal Executive or Authorized Agent
 Date: May 13, 2022



King County

Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program

201 S. Jackson Street, Suite 513

Seattle, WA 98104-3855

Phone 206-477-5300 / FAX 206-263-3001

Email: info.kciw@kingcounty.gov

H2S Monitoring

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A9002

Permit No.: 7842-03

Please Specify Month & Year: Month: April 2022

This form is available at www.kingcounty.gov/industrialwaste.

All units are PPM unless otherwise noted.

Sample Date (circle)	H ₂ S - Air MAX	H ₂ S - Air Average	Active Discharge during MAX H ₂ S reading? (Y/N)
1			
2			
3			
4			
5			
6			
7	0	0	Y
8	0	0	Y
9	0	0	Y
10	0	0	Y
11	0	0	Y
12	0	0	Y
13	0	0	Y
14	0	0	Y
15	0	0	Y
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
Monthly MAX	0		
Monthly AVG	0		

4/7/22-4/15/22

Parameter	H ₂ S - Air
Monitoring Period	4/7/22-4/15/22
Limit Type	15-min average
Limit	15.0 ppm
Max Value	0
Value	N/A

Per KCIW guidance, the following values are reported for administrative purposes, only:

- H₂S - Air MAX
- H₂S - Air Average
- Monthly MAX
- Monthly Average

Notes

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

Signature of Principal Executive or Authorized Agent

May 13, 2022

Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 04/13/2022
 Report Group: CHLS-P_041222

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: LEPS220405P	CollectDate: 04/05/2022
SDG/Lab Sample ID: 16698 / L78915-1	LoginDate: 04/06/2022
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Constituent	D.F.	Unit	Metals			MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q							
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		04/07/2022	04/08/2022	WG181101	
Aluminum, Total	10	mg/L	.671		.0501	.0501		04/08/2022	04/11/2022	WG181105	
Antimony, Total	10	mg/L	.00952		.00301	.00301		04/08/2022	04/11/2022	WG181105	
Arsenic, Total	10	mg/L	.0868		.000501	.000501	1	04/08/2022	04/11/2022	WG181105	
Barium, Total	10	mg/L	.0953		.00501	.00501		04/08/2022	04/11/2022	WG181105	
Beryllium, Total	10	mg/L	<.001	U	.001	.001		04/08/2022	04/11/2022	WG181105	
Cadmium, Total	10	mg/L	<.000501	U	.000501	.000501	0.5	04/08/2022	04/11/2022	WG181105	
Calcium, Total	10	mg/L	60.9		.501	.501		04/08/2022	04/11/2022	WG181105	
Chromium, Total	10	mg/L	.0603		.00201	.00201	2.75	04/08/2022	04/11/2022	WG181105	
Cobalt, Total	10	mg/L	.0133		.000501	.000501		04/08/2022	04/11/2022	WG181105	
Copper, Total	10	mg/L	.00673		.00201	.00201	3	04/08/2022	04/11/2022	WG181105	
Iron, Total	10	mg/L	4.63		.1	.1		04/08/2022	04/11/2022	WG181105	
Lead, Total	10	mg/L	.00106		.001	.001	2	04/08/2022	04/11/2022	WG181105	
Magnesium, Total	10	mg/L	40		.501	.501		04/08/2022	04/11/2022	WG181105	
Manganese, Total	10	mg/L	.608		.001	.001		04/08/2022	04/11/2022	WG181105	
Nickel, Total	10	mg/L	.0568		.001	.001	2.5	04/08/2022	04/11/2022	WG181105	
Phosphorus, Total	10	mg/L	2.58		1	1		04/08/2022	04/11/2022	WG181105	
Potassium, Total	10	mg/L	187		1	1		04/08/2022	04/11/2022	WG181105	
Selenium, Total	10	mg/L	<.00501	U	.00501	.00501		04/08/2022	04/11/2022	WG181105	
Silver, Total	10	mg/L	<.000401	U	.000401	.000401	1	04/08/2022	04/11/2022	WG181105	
Sodium, Total	10	mg/L	496		1	1		04/08/2022	04/11/2022	WG181105	
Thallium, Total	10	mg/L	<.000752	U	.000752	.000752		04/08/2022	04/11/2022	WG181105	
Tin, Total	10	mg/L	.00676		.00501	.00501		04/08/2022	04/11/2022	WG181105	
Vanadium, Total	10	mg/L	.0208		.000752	.000752		04/08/2022	04/11/2022	WG181105	
Zinc, Total	10	mg/L	.0896		.00501	.00501	5	04/08/2022	04/11/2022	WG181105	

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 04/21/2022
 Report Group: CHLS-P_041922

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS220412P**
 SDG/Lab Sample ID: **16366 / L78916-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **04/12/2022**
 LoginDate: **04/12/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q								
Aluminum, Total	10	mg/L	.749	D		.0499	.0499		04/13/2022	04/14/2022	WG181167	
Antimony, Total	10	mg/L	.00887			.003	.003		04/13/2022	04/14/2022	WG181167	
Arsenic, Total	10	mg/L	.0827			.000499	.000499	1	04/13/2022	04/14/2022	WG181167	
Barium, Total	10	mg/L	.0975			.00499	.00499		04/13/2022	04/14/2022	WG181167	
Beryllium, Total	10	mg/L	<.000999	U		.000999	.000999		04/13/2022	04/14/2022	WG181167	
Cadmium, Total	10	mg/L	<.000499	U		.000499	.000499	0.5	04/13/2022	04/14/2022	WG181167	
Calcium, Total	10	mg/L	62.2			.499	.499		04/13/2022	04/14/2022	WG181167	
Chromium, Total	10	mg/L	.06			.002	.002	2.75	04/13/2022	04/14/2022	WG181167	
Cobalt, Total	10	mg/L	.0139			.000499	.000499		04/13/2022	04/14/2022	WG181167	
Copper, Total	10	mg/L	.00632			.002	.002	3	04/13/2022	04/14/2022	WG181167	
Iron, Total	10	mg/L	4.95			.0999	.0999		04/13/2022	04/14/2022	WG181167	
Lead, Total	10	mg/L	.00112			.000999	.000999	2	04/13/2022	04/14/2022	WG181167	
Magnesium, Total	10	mg/L	44.4			.499	.499		04/13/2022	04/14/2022	WG181167	
Manganese, Total	10	mg/L	.578			.000999	.000999		04/13/2022	04/14/2022	WG181167	
Nickel, Total	10	mg/L	.0612			.000999	.000999	2.5	04/13/2022	04/14/2022	WG181167	
Phosphorus, Total	10	mg/L	2.93			.999	.999		04/13/2022	04/14/2022	WG181167	
Potassium, Total	10	mg/L	204			.999	.999		04/13/2022	04/14/2022	WG181167	
Selenium, Total	10	mg/L	<.00499	U		.00499	.00499		04/13/2022	04/14/2022	WG181167	
Silver, Total	10	mg/L	<.000399	U		.000399	.000399	1	04/13/2022	04/14/2022	WG181167	
Sodium, Total	10	mg/L	512			.999	.999		04/13/2022	04/14/2022	WG181167	
Thallium, Total	10	mg/L	<.000749	U		.000749	.000749		04/13/2022	04/14/2022	WG181167	
Tin, Total	10	mg/L	.00605			.00499	.00499		04/13/2022	04/14/2022	WG181167	
Vanadium, Total	10	mg/L	.0237			.000749	.000749		04/13/2022	04/14/2022	WG181167	
Zinc, Total	10	mg/L	.111			.00499	.00499	5	04/13/2022	04/14/2022	WG181167	
Mercury, Total	2	mg/L	<.0001	U		.0001	.0001		04/18/2022	04/19/2022	WG181255	

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 05/03/2022
 Report Group: CHLS-P_042622

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: LEPS220419P	CollectDate: 04/19/2022
SDG/Lab Sample ID: 16752 / L78917-1	LoginDate: 04/19/2022
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.773		.0502	.0502		04/20/2022	04/25/2022	WG181285
Antimony, Total	10	mg/L	.0107		.00301	.00301		04/20/2022	04/25/2022	WG181285
Arsenic, Total	10	mg/L	.097		.000502	.000502	1	04/20/2022	04/25/2022	WG181285
Barium, Total	10	mg/L	.11		.00502	.00502		04/20/2022	04/25/2022	WG181285
Beryllium, Total	10	mg/L	<.001	U	.001	.001		04/20/2022	04/25/2022	WG181285
Cadmium, Total	10	mg/L	<.000502	U	.000502	.000502	0.5	04/20/2022	04/25/2022	WG181285
Calcium, Total	10	mg/L	60.2		.502	.502		04/20/2022	04/25/2022	WG181285
Chromium, Total	10	mg/L	.0716		.00201	.00201	2.75	04/20/2022	04/25/2022	WG181285
Cobalt, Total	10	mg/L	.0162		.000502	.000502		04/20/2022	04/25/2022	WG181285
Copper, Total	10	mg/L	.00647		.00201	.00201	3	04/20/2022	04/25/2022	WG181285
Iron, Total	10	mg/L	5.72		.1	.1		04/20/2022	04/25/2022	WG181285
Lead, Total	10	mg/L	.00124		.001	.001	2	04/20/2022	04/25/2022	WG181285
Magnesium, Total	10	mg/L	49.3		.502	.502		04/20/2022	04/25/2022	WG181285
Manganese, Total	10	mg/L	.603		.001	.001		04/20/2022	04/25/2022	WG181285
Nickel, Total	10	mg/L	.0701	D	.001	.001	2.5	04/20/2022	04/25/2022	WG181285
Phosphorus, Total	10	mg/L	3.02		1	1		04/20/2022	04/25/2022	WG181285
Potassium, Total	10	mg/L	230		1	1		04/20/2022	04/25/2022	WG181285
Selenium, Total	10	mg/L	<.00502	U	.00502	.00502		04/20/2022	04/25/2022	WG181285
Silver, Total	10	mg/L	<.000402	U	.000402	.000402	1	04/20/2022	04/25/2022	WG181285
Sodium, Total	10	mg/L	596		1	1		04/20/2022	04/25/2022	WG181285
Thallium, Total	10	mg/L	<.000753	U	.000753	.000753		04/20/2022	04/25/2022	WG181285
Tin, Total	10	mg/L	.00713		.00502	.00502		04/20/2022	04/25/2022	WG181285
Vanadium, Total	10	mg/L	.0254		.000753	.000753		04/20/2022	04/25/2022	WG181285
Zinc, Total	10	mg/L	.113		.00502	.00502	5	04/20/2022	04/25/2022	WG181285
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		04/21/2022	04/22/2022	WG181321

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 05/03/2022
 Report Group: CHLS-P_042622

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: LEPS220426P	CollectDate: 04/26/2022
SDG/Lab Sample ID: 16757 / L78918-1	LoginDate: 04/26/2022
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	.558		.0502	.0502		04/28/2022	04/29/2022	WG181381
Antimony, Total	10	mg/L	.00997		.00301	.00301		04/28/2022	04/29/2022	WG181381
Arsenic, Total	10	mg/L	.102		.000502	.000502	1	04/28/2022	04/29/2022	WG181381
Barium, Total	10	mg/L	.101		.00502	.00502		04/28/2022	04/29/2022	WG181381
Beryllium, Total	10	mg/L	<.001	U	.001	.001		04/28/2022	04/29/2022	WG181381
Cadmium, Total	10	mg/L	<.000502	U	.000502	.000502	0.5	04/28/2022	04/29/2022	WG181381
Calcium, Total	10	mg/L	60.3		.502	.502		04/28/2022	04/29/2022	WG181381
Chromium, Total	10	mg/L	.0696		.00201	.00201	2.75	04/28/2022	04/29/2022	WG181381
Cobalt, Total	10	mg/L	.0164		.000502	.000502		04/28/2022	04/29/2022	WG181381
Copper, Total	10	mg/L	.00537		.00201	.00201	3	04/28/2022	04/29/2022	WG181381
Iron, Total	10	mg/L	6.24		.1	.1		04/28/2022	04/29/2022	WG181381
Lead, Total	10	mg/L	.00113		.001	.001	2	04/28/2022	04/29/2022	WG181381
Magnesium, Total	10	mg/L	51.6		.502	.502		04/28/2022	04/29/2022	WG181381
Manganese, Total	10	mg/L	.603		.001	.001		04/28/2022	04/29/2022	WG181381

Page 1 of 2

Client Sample ID: LEPS220426P	CollectDate: 04/26/2022
SDG/Lab Sample ID: 16757 / L78918-1	LoginDate: 04/26/2022
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Nickel, Total	10	mg/L	.0725		.001	.001	2.5	04/28/2022	04/29/2022	WG181381
Phosphorus, Total	10	mg/L	1.81		1	1		04/28/2022	04/29/2022	WG181381
Potassium, Total	10	mg/L	236		1	1		04/28/2022	04/29/2022	WG181381
Selenium, Total	10	mg/L	<.00502	U	.00502	.00502		04/28/2022	04/29/2022	WG181381
Silver, Total	10	mg/L	<.000401	U	.000401	.000401	1	04/28/2022	04/29/2022	WG181381
Sodium, Total	10	mg/L	617		1	1		04/28/2022	04/29/2022	WG181381
Thallium, Total	10	mg/L	<.000753	U	.000753	.000753		04/28/2022	04/29/2022	WG181381
Tin, Total	10	mg/L	.00612		.00502	.00502		04/28/2022	04/29/2022	WG181381
Vanadium, Total	10	mg/L	.0249		.000753	.000753		04/28/2022	04/29/2022	WG181381
Zinc, Total	10	mg/L	.101		.00502	.00502	5	04/28/2022	04/29/2022	WG181381
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		04/29/2022	05/02/2022	WG181460

HYDROGEN SULFIDE GAS AT MANHOLE R10-52		
Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	3/29/2022 @ 09:41
Sample Count	Interval Time (sec)	Bump Test Date
11195	60	3/29/2022 @ 09:48
H2S Readings		
Date	Daily Max	Daily Average
4/7/2022	0.0	0.0
4/8/2022	0.0	0.0
4/9/2022	0.0	0.0
4/10/2022	0.0	0.0
4/11/2022	0.0	0.0
4/12/2022	0.0	0.0
4/13/2022	0.0	0.0
4/14/2022	0.0	0.0
4/15/2022	0.0	0.0

KING COUNTY SOLID WASTE DIVISION
LEACHATE HAULING REPORT
TANKER LOADS

MONTH: APRIL
 YEAR: 2022

DATE LOAD	DUVALL				VASHON				HOBART		OTHER		REMARKS		
	BRIGHT		C.H.		SPOK.		C.H.		C.H.		C.H.				
	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000			
1															
2															
3		1.00										5.00	10.00	leps to renton treatment	
4												4.00	7.00	leps to renton treatment	
5												2.00	4.00	leps to renton treatment	
6												8.00	17.00	leps to renton treatment	
7		2.00										8.00	24.00	leps to renton treatment	
8															
9															
10				1.00											
11															
12															
13															
14															
15															
16		2.00													
17															
18															
19															
20															
21															
22		1.00													
23															
24															
25															
26															
27															
28															
29															
30															
31															
TOTAL	0	42000.00	0	7000.00	0	0.00	0	0.00	0	0.00	0	0.00	162000	434000.00	

**King County****Solid Waste Division**

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 5701

Seattle, WA 98104-3855

206-477-4466

711 TTY Relay

www.kingcounty.gov/solidwaste

June 15, 2022

TO: Biniam Zelelow, Industrial Waste Compliance Investigator, Wastewater Treatment Division

FM: Nina Wester, Environmental Scientist III, Solid Waste Division (SWD)

RE: Wastewater Discharge Permit # 7842-03 - Cedar Hills – Self-Monitoring Report

The purpose of this memorandum is to enclose the Self-Monitoring Report (SMR) for Cedar Hills (Permit Number 7842-03) for the month of May 2022. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 5/4/22, 5/10/22, 5/19/22, and 5/24/22)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 5/4/22-5/11/22)
- Leachate Hauling Report (for May)

The following exceedances occurred during the month of May:

Parameter	Date of Exceedance	Aware Date	Notification Date and Time
Arsenic Loading	5/19/22	5/31/22	5/31/22 @ 16:49
Arsenic Loading	5/24/22	5/31/22	5/31/22 @ 16:49

All other results met permit-specified limits.

Per KCIW guidance, details regarding May's arsenic loading exceedances are included in the appended 14-day report.

Please contact me directly if you have any questions. I can be reached at (206) 263-3224, or by e-mail at nina.wester@kingcounty.gov.

Enclosures

cc: Glynda Steiner, P.E., CCM, Deputy Division Director, Solid Waste Division (SWD)
 Theresa Thurlow, P.E., Section Manager, SWD
 Jennifer Keune, Interim Supervisor, SWD
 Dan Swope, Engineer III, SWD
 Natalya Usova, Engineer II, SWD



Industrial Waste Program Monthly Self-Monitoring Report
Page 1 of 2

Send to: King County Industrial Waste Program
201 S. Jackson Street, Suite 513
Seattle, WA 98104-3855
Phone 206-477-5300 / FAX 206-263-3001
Email: info:KCIW@kingcounty.gov

Company Name: **King County SWD - Cedar Hills Landfill**

Sample Site No. **A90021**

Permit No.: **7842-03**

Please Specify Month & Year: **Month: May 2022**

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	pH	Arsenic, As		Cadmium, Cd		Chromium, Cr		Copper, Cu		Total Soluble Sulfides LIMIT - 0.1 mg/L	Daily Industrial Flow LIMIT 2,700,000 (GPD)	Notes (indicate Batch Discharge where applicable)
			LIMIT 1.0 (mg/L)	LOAD 0.27 (lbs/day)	LIMIT 0.5 (mg/L)	LOAD 0.17 (lbs/day)	LIMIT 2.75 (mg/L)	LOAD 1.20 (lbs/day)	LIMIT 3.0 (mg/L)	LOAD 6.89 (lbs/day)			
1													
2													
3													
4	C	8.40	0.104	0.2627	<0.0005	0.0006	0.0734	0.1854	0.00683	0.0173	<0.1	302,900	
5												751,400	
6												947,600	
7												976,200	
8												207,400	
9												192,800	
10	C	8.23	0.0882	0.1437	<0.0005	0.0004	0.0596	0.0971	0.00565	0.0092	<0.1	195,400	
11												1,466,300	
12												922,700	
13												393,400	
14												223,400	
15												0	
16												22,800	
17												189,000	
18												1,060,400	
19	C	8.13	0.453	3.5188	<0.0005	0.0019	0.0515	0.4000	0.00726	0.0564	<0.1	931,400	
20												211,000	
21												385,700	
22												404,600	
23												404,400	
24	C	8.14	0.308	0.7801	<0.0005	0.0006	0.0536	0.1358	0.00545	0.0138	<0.1	303,700	
25												303,000	
26												312,800	
27												293,000	
28												303,000	
29												743,500	
30												293,500	
31												292,100	

Monthly Min pH: 8.13
Monthly Max pH: 8.40

5/19/22
5/4/22

Due Date: Monthly report is due by the 15th each month.

Total Monthly Flow (gallons): 13,975,800
Maximum Daily Flow: 1,466,300

5/11/22

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

Documented by:
Date: Jun 15, 2022
Signature of Principal Executive or Authorized Agent



Industrial Waste Program Monthly Self-Monitoring Report
 Page 2 of 2

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info@KIW@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

Please Specify Month & Year: Month: May 2022

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	Lead, Pb		Mercury, Hg		Nickel, Ni		Silver, Ag		Zinc, Zn		Notes (indicate Batch Discharge where applicable)
		LIMIT 2.0 (mg/L)	LOAD 1.2 (lbs/day)	LIMIT 0.1 (mg/L)	LOAD 0.06 (lbs/day)	LIMIT 2.5 (mg/L)	LOAD 2.49 (lbs/day)	LIMIT 1.0 (mg/L)	LOAD 0.44 (lbs/day)	LIMIT 5.0 (mg/L)	LOAD 12.31 (lbs/day)	
1												
2												
3												
4	C	0.00145	0.00366	<0.0001	0.00013	0.0775	0.196	<0.0004	0.0005	0.133	0.336	
5												
6												
7												
8												
9												
10	C	0.00125	0.00204	<0.0001	0.00008	0.0588	0.096	<0.0004	0.0003	0.0914	0.149	
11												
12												
13												
14												
15												
16												
17												
18												
19	C	0.00123	0.00955	<0.0001	0.00039	0.0536	0.416	<0.0004	0.0016	0.104	0.808	
20												
21												
22												
23												
24	C	0.00106	0.00268	<0.0001	0.00013	0.0536	0.136	<0.0004	0.0005	0.097	0.246	
25												
26												
27												
28												
29												
30												
31												

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

 Signature of Principal Executive or Authorized Agent
 Jun 15, 2022
 Date

A78EEC0AE02F44A



King County

Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program

201 S. Jackson Street, Suite 513

Seattle, WA 98104-3855

Phone 206-477-5300 / FAX 206-263-3001

Email: info@kciw@kingcounty.gov

H2S Monitoring

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A9002

Permit No.: 7842-03

Please Specify Month & Year: Month: May 2022

This form is available at www.kingcounty.gov/industrialwaste.

All units are PPM unless otherwise noted.

Sample Date (circle)	H ₂ S - Air MAX	H ₂ S - Air Average	Active Discharge during MAX H ₂ S reading? (Y/N)
1			
2			
3			
4	0	0	Y
5	0	0	Y
6	0	0	Y
7	0	0	Y
8	0	0	Y
9	0	0	Y
10	0	0	Y
11	0	0	Y
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
Monthly MAX	0		
Monthly AVG	0		

5/4/22-5/11/22

Notes

Parameter	H ₂ S - Air
Monitoring Period	5/4/22-5/11/22
Limit Type	15-min average
Limit	15.0 ppm
Max Value	0
Value	N/A

- H₂S - Air MAX
- H₂S - Air Average
- Monthly MAX
- Monthly Average

Per KCIW guidance, the following values are reported for administrative purposes, only:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:
OmniGen Kume

Signature of Principal Executive or Authorized Agent

Jun 15, 2022

Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 05/12/2022
 Report Group: CHLS-P_051122

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: LEPS220504P	CollectDate: 05/04/2022
SDG/Lab Sample ID: 16715 / L79073-1	LoginDate: 05/04/2022
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.834		.0501	.0501		05/05/2022	05/06/2022	WG181546
Antimony, Total	10	mg/L	.011		.003	.003		05/05/2022	05/06/2022	WG181546
Arsenic, Total	10	mg/L	.104		.000501	.000501	1	05/05/2022	05/06/2022	WG181546
Barium, Total	10	mg/L	.107		.00501	.00501		05/05/2022	05/06/2022	WG181546
Beryllium, Total	10	mg/L	<.001	U	.001	.001		05/05/2022	05/06/2022	WG181546
Cadmium, Total	10	mg/L	<.000501	U	.000501	.000501	0.5	05/05/2022	05/06/2022	WG181546
Calcium, Total	10	mg/L	61		.501	.501		05/05/2022	05/06/2022	WG181546
Chromium, Total	10	mg/L	.0734		.002	.002	2.75	05/05/2022	05/06/2022	WG181546
Cobalt, Total	10	mg/L	.0172		.000501	.000501		05/05/2022	05/06/2022	WG181546
Copper, Total	10	mg/L	.00683		.002	.002	3	05/05/2022	05/06/2022	WG181546
Iron, Total	10	mg/L	6.84		.1	.1		05/05/2022	05/06/2022	WG181546
Lead, Total	10	mg/L	.00145		.001	.001	2	05/05/2022	05/06/2022	WG181546
Magnesium, Total	10	mg/L	52.7		.501	.501		05/05/2022	05/06/2022	WG181546
Manganese, Total	10	mg/L	.598		.001	.001		05/05/2022	05/06/2022	WG181546
Nickel, Total	10	mg/L	.0775		.001	.001	2.5	05/05/2022	05/06/2022	WG181546
Phosphorus, Total	10	mg/L	2.38		1	1		05/05/2022	05/06/2022	WG181546
Potassium, Total	10	mg/L	246		1	1		05/05/2022	05/06/2022	WG181546
Selenium, Total	10	mg/L	<.00501	U	.00501	.00501		05/05/2022	05/06/2022	WG181546
Silver, Total	10	mg/L	<.000401	U	.000401	.000401	1	05/05/2022	05/06/2022	WG181546
Sodium, Total	10	mg/L	654		1	1		05/05/2022	05/06/2022	WG181546
Thallium, Total	10	mg/L	<.000751	U	.000751	.000751		05/05/2022	05/06/2022	WG181546
Tin, Total	10	mg/L	.00738		.00501	.00501		05/05/2022	05/06/2022	WG181546
Vanadium, Total	10	mg/L	.0267		.000751	.000751		05/05/2022	05/06/2022	WG181546
Zinc, Total	10	mg/L	.133		.00501	.00501	5	05/05/2022	05/06/2022	WG181546
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		05/05/2022	05/06/2022	WG181570

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 05/20/2022
 Report Group: CHLS-P_051722

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS220510P**
 SDG/Lab Sample ID: **16785 / L79074-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **05/10/2022**
 LoginDate: **05/11/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals			MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q							
Aluminum, Total	10	mg/L	.993	D	.0499	.0499		05/12/2022	05/13/2022	WG181656	
Antimony, Total	10	mg/L	.01		.00299	.00299		05/12/2022	05/13/2022	WG181656	
Arsenic, Total	10	mg/L	.0882		.000499	.000499	1	05/12/2022	05/13/2022	WG181656	
Barium, Total	10	mg/L	.0856		.00499	.00499		05/12/2022	05/13/2022	WG181656	
Beryllium, Total	10	mg/L	<.000997	U	.000997	.000997		05/12/2022	05/13/2022	WG181656	
Cadmium, Total	10	mg/L	<.000499	U	.000499	.000499	0.5	05/12/2022	05/13/2022	WG181656	
Calcium, Total	10	mg/L	56.6		.499	.499		05/12/2022	05/13/2022	WG181656	
Chromium, Total	10	mg/L	.0596		.00199	.00199	2.75	05/12/2022	05/13/2022	WG181656	
Cobalt, Total	10	mg/L	.0133		.000499	.000499		05/12/2022	05/13/2022	WG181656	
Copper, Total	10	mg/L	.00565		.00199	.00199	3	05/12/2022	05/13/2022	WG181656	
Iron, Total	10	mg/L	5.66		.0997	.0997		05/12/2022	05/13/2022	WG181656	
Lead, Total	10	mg/L	.00125		.000997	.000997	2	05/12/2022	05/13/2022	WG181656	
Magnesium, Total	10	mg/L	41.1		.499	.499		05/12/2022	05/13/2022	WG181656	
Manganese, Total	10	mg/L	.565		.000997	.000997		05/12/2022	05/13/2022	WG181656	
Nickel, Total	10	mg/L	.0588		.000997	.000997	2.5	05/12/2022	05/13/2022	WG181656	
Phosphorus, Total	10	mg/L	1.59		.997	.997		05/12/2022	05/13/2022	WG181656	
Potassium, Total	10	mg/L	194		.997	.997		05/12/2022	05/13/2022	WG181656	
Selenium, Total	10	mg/L	<.00499	U	.00499	.00499		05/12/2022	05/13/2022	WG181656	
Silver, Total	10	mg/L	<.000399	U	.000399	.000399	1	05/12/2022	05/13/2022	WG181656	
Sodium, Total	10	mg/L	519		.997	.997		05/12/2022	05/13/2022	WG181656	
Thallium, Total	10	mg/L	<.000748	U	.000748	.000748		05/12/2022	05/13/2022	WG181656	
Tin, Total	10	mg/L	.00607		.00499	.00499		05/12/2022	05/13/2022	WG181656	
Vanadium, Total	10	mg/L	.021		.000748	.000748		05/12/2022	05/13/2022	WG181656	
Zinc, Total	10	mg/L	.0914		.00499	.00499	5	05/12/2022	05/13/2022	WG181656	
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		05/13/2022	05/16/2022	WG181712	

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 05/27/2022
 Report Group: CHLS-P_052722

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: LEPS220519P	CollectDate: 05/19/2022
SDG/Lab Sample ID: 16793 / L79075-1	LoginDate: 05/20/2022
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Constituent	D.F.	Unit	Metals			MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q							
Aluminum, Total	10	mg/L	1.09			.0498	.0498		05/23/2022	05/25/2022	WG181843
Antimony, Total	10	mg/L	.0411			.00299	.00299		05/23/2022	05/25/2022	WG181843
Arsenic, Total	10	mg/L	.453			.000498	.000498	1	05/23/2022	05/25/2022	WG181843
Barium, Total	10	mg/L	.0796			.00498	.00498		05/23/2022	05/25/2022	WG181843
Beryllium, Total	10	mg/L	<.000997	U		.000997	.000997		05/23/2022	05/25/2022	WG181843
Cadmium, Total	10	mg/L	<.000498	U		.000498	.000498	0.5	05/23/2022	05/25/2022	WG181843
Calcium, Total	10	mg/L	56.7			.498	.498		05/23/2022	05/25/2022	WG181843
Chromium, Total	10	mg/L	.0515			.00199	.00199	2.75	05/23/2022	05/25/2022	WG181843
Cobalt, Total	10	mg/L	.0126			.000498	.000498		05/23/2022	05/25/2022	WG181843
Copper, Total	10	mg/L	.00726			.00199	.00199	3	05/23/2022	05/25/2022	WG181843
Iron, Total	10	mg/L	5.79			.0997	.0997		05/23/2022	05/25/2022	WG181843
Lead, Total	10	mg/L	.00123			.000997	.000997	2	05/23/2022	05/25/2022	WG181843
Magnesium, Total	10	mg/L	38.3			.498	.498		05/23/2022	05/25/2022	WG181843
Manganese, Total	10	mg/L	.543			.000997	.000997		05/23/2022	05/25/2022	WG181843
Nickel, Total	10	mg/L	.0536			.000997	.000997	2.5	05/23/2022	05/25/2022	WG181843
Phosphorus, Total	10	mg/L	2.15			.997	.997		05/23/2022	05/25/2022	WG181843
Potassium, Total	10	mg/L	173			.997	.997		05/23/2022	05/25/2022	WG181843
Selenium, Total	10	mg/L	<.00498	U		.00498	.00498		05/23/2022	05/25/2022	WG181843
Silver, Total	10	mg/L	<.000399	U		.000399	.000399	1	05/23/2022	05/25/2022	WG181843
Sodium, Total	10	mg/L	453			.997	.997		05/23/2022	05/25/2022	WG181843
Thallium, Total	10	mg/L	<.000747	U		.000747	.000747		05/23/2022	05/25/2022	WG181843
Tin, Total	10	mg/L	.00548			.00498	.00498		05/23/2022	05/25/2022	WG181843
Vanadium, Total	10	mg/L	.0195			.000747	.000747		05/23/2022	05/25/2022	WG181843
Zinc, Total	10	mg/L	.104			.00498	.00498	5	05/23/2022	05/25/2022	WG181843
Mercury, Total	2	mg/L	<.0001	U		.0001	.0001		05/23/2022	05/24/2022	WG181859

Client Sample ID: **LEPS220524P**
 SDG/Lab Sample ID: **16794 / L79076-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **05/24/2022**
 LoginDate: **05/24/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.646		.0522	.0522		05/25/2022	05/27/2022	WG181899
Antimony, Total	10	mg/L	.0291		.00313	.00313		05/25/2022	05/27/2022	WG181899
Arsenic, Total	10	mg/L	.308	D	.000522	.000522	1	05/25/2022	05/27/2022	WG181899
Barium, Total	10	mg/L	.0819		.00522	.00522		05/25/2022	05/27/2022	WG181899
Beryllium, Total	10	mg/L	<.00104	U	.00104	.00104		05/25/2022	05/27/2022	WG181899
Cadmium, Total	10	mg/L	<.000522	U	.000522	.000522	0.5	05/25/2022	05/27/2022	WG181899
Calcium, Total	10	mg/L	57		.522	.522		05/25/2022	05/27/2022	WG181899
Chromium, Total	10	mg/L	.0536		.00209	.00209	2.75	05/25/2022	05/27/2022	WG181899
Cobalt, Total	10	mg/L	.0123		.000522	.000522		05/25/2022	05/27/2022	WG181899
Copper, Total	10	mg/L	.00545		.00209	.00209	3	05/25/2022	05/27/2022	WG181899
Iron, Total	10	mg/L	5.86		.104	.104		05/25/2022	05/27/2022	WG181899
Lead, Total	10	mg/L	.00106		.00104	.00104	2	05/25/2022	05/27/2022	WG181899
Magnesium, Total	10	mg/L	39.6		.522	.522		05/25/2022	05/27/2022	WG181899
Manganese, Total	10	mg/L	.54		.00104	.00104		05/25/2022	05/27/2022	WG181899
Nickel, Total	10	mg/L	.0536		.00104	.00104	2.5	05/25/2022	05/27/2022	WG181899
Phosphorus, Total	10	mg/L	1.81		1.04	1.04		05/25/2022	05/27/2022	WG181899
Potassium, Total	10	mg/L	184		1.04	1.04		05/25/2022	05/27/2022	WG181899
Selenium, Total	10	mg/L	<.00522	U	.00522	.00522		05/25/2022	05/27/2022	WG181899
Silver, Total	10	mg/L	<.000418	U	.000418	.000418	1	05/25/2022	05/27/2022	WG181899
Sodium, Total	10	mg/L	477		1.04	1.04		05/25/2022	05/27/2022	WG181899
Thallium, Total	10	mg/L	<.000783	U	.000783	.000783		05/25/2022	05/27/2022	WG181899
Tin, Total	10	mg/L	.00554		.00522	.00522		05/25/2022	05/27/2022	WG181899
Vanadium, Total	10	mg/L	.0198		.000783	.000783		05/25/2022	05/27/2022	WG181899
Zinc, Total	10	mg/L	.097		.00522	.00522	5	05/25/2022	05/27/2022	WG181899
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		05/26/2022	05/27/2022	WG181947

HYDROGEN SULFIDE GAS AT MANHOLE R10-52		
Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	3/29/2022 @ 09:41
Sample Count	Interval Time (sec)	Bump Test Date
10512	60	4/15/2022 @ 16:17
H2S Readings		
Date	Daily Max	Daily Average
5/4/2022	0.0	0.0
5/5/2022	0.0	0.0
5/6/2022	0.0	0.0
5/7/2022	0.0	0.0
5/8/2022	0.0	0.0
5/9/2022	0.0	0.0
5/10/2022	0.0	0.0
5/11/2022	0.0	0.0



King County

Solid Waste Division

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 5701

Seattle, WA 98104-3855

206-477-4466

711 TTY Relay

www.kingcounty.gov/solidwaste

July 15, 2022

TO: Biniam Zelelow, Industrial Waste Compliance Investigator, Wastewater Treatment Division

FM: Nina Wester, Environmental Scientist III, Solid Waste Division (SWD)

RE: Wastewater Discharge Permit # 7842-03 - Cedar Hills – Self-Monitoring Report

The purpose of this memorandum is to enclose the Self-Monitoring Report (SMR) for Cedar Hills (Permit Number 7842-03) for the month of June 2022. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 6/1/22, 6/7/22, 6/14/22, 6/22/22, and 6/28/22)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 6/2/22-6/10/22)
- Leachate Hauling Report (for June)

All results met permit-specified limits.

Please contact me directly if you have any questions. I can be reached at (206) 263-3224, or by e-mail at nina.wester@kingcounty.gov.

Enclosures

cc: Glynda Steiner, P.E., CCM, Deputy Division Director, Solid Waste Division (SWD)
Theresa Thurlow, P.E., Section Manager, SWD
Jennifer Keune, Interim Supervisor, SWD
Dan Swope, Engineer III, SWD
Natalya Usova, Engineer II, SWD



Industrial Waste Program Monthly Self-Monitoring Report

King County

Company Name: **King County SWD - Cedar Hills Landfill**

Sample Site No. **A90021**

Permit No.: **7842-03**

Please Specify Month & Year: **Month: June 2022**

This form is available at www.kingcounty.gov/industrialwaste.

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info:KCIW@kingcounty.gov

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	pH	Arsenic, As		Cadmium, Cd		Chromium, Cr		Copper, Cu		Total Soluble Sulfides LIMIT - 0.1 mg/L	Daily Industrial Flow LIMIT 2,700,000 (GPD)	Notes (indicate Batch Discharge where applicable)
			LIMIT 1.0 (mg/L)	LOAD 0.27 (lbs/day)	LIMIT 0.5 (mg/L)	LOAD 0.17 (lbs/day)	LIMIT 2.75 (mg/L)	LOAD 1.20 (lbs/day)	LIMIT 3.0 (mg/L)	LOAD 6.89 (lbs/day)			
1	C	8.32	0.255	0.1763	<0.0005	0.0002	0.0668	0.0462	0.00638	0.0044	<0.1	82,900	
2												303,400	
3												290,000	
4												306,300	
5												770,900	
6												1,128,200	
7	C	8.25	0.194	0.1893	<0.0005	0.0002	0.0619	0.0604	0.00602	0.0059	<0.1	117,000	
8												854,500	
9												383,100	
10												399,700	
11												396,400	
12												983,300	
13												909,700	
14	C	8.32	0.139	0.1201	<0.0005	0.0002	0.0492	0.0425	0.00525	0.0045	<0.1	103,600	
15												999,900	
16												1,010,600	
17												977,800	
18												523,800	
19												0	
20												583,200	
21												299,600	
22	C	8.27	0.117	0.1040	<0.0005	0.0002	0.0484	0.0430	0.00476	0.0042	<0.1	106,600	
23												107,900	
24												108,300	
25												108,100	
26												422,700	
27												0	
28	C	8.31	0.148	0.1317	<0.0005	0.0002	0.0621	0.0553	0.00523	0.0047	<0.1	106,700	
29												0	
30												107,500	
31												N/A	

Monthly Min pH: 8.25
 Monthly Max pH: 8.32

6/7/22
 6/1/22, 6/14/22

Total Monthly Flow (gallons): 12,491,700
 Maximum Daily Flow: 1,128,200

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

6/6/22

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

 Signature of Principal Executive or Authorized Agent
 Date: Jul 15, 2022



Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info.KCIW@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

Please Specify Month & Year: Month: June 2022

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	Lead, Pb		Mercury, Hg		Nickel, Ni		Silver, Ag		Zinc, Zn		Notes (indicate Batch Discharge where applicable)
		LIMIT 2.0 (mg/L)	LOAD 1.2 (lbs/day)	LIMIT 0.1 (mg/L)	LOAD 0.06 (lbs/day)	LIMIT 2.5 (mg/L)	LOAD 2.49 (lbs/day)	LIMIT 1.0 (mg/L)	LOAD 0.44 (lbs/day)	LIMIT 5.0 (mg/L)	LOAD 12.31 (lbs/day)	
1	C	0.00117	0.00081	<0.0001	0.00003	0.0625	0.043	<0.0004	0.0001	0.107	0.074	
2												
3												
4												
5												
6												
7	C	0.00116	0.00113	<0.0001	0.00005	0.0613	0.060	<0.0004	0.0002	0.0958	0.093	
8												
9												
10												
11												
12												
13												
14	C	<0.000994	0.00043	<0.0001	0.00004	0.0493	0.043	<0.0004	0.0002	0.0734	0.063	
15												
16												
17												
18												
19												
20												
21												
22	C	<0.001	0.00044	<0.0001	0.00004	0.0516	0.046	<0.0004	0.0002	0.0876	0.078	
23												
24												
25												
26												
27												
28	C	<0.000999	0.00044	<0.0001	0.00004	0.0649	0.058	<0.0004	0.0002	0.0931	0.083	
29												
30												
31												

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

 Signature of Principal Executive or Authorized Agent Date Jul 15, 2022

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.



King County

Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program

201 S. Jackson Street, Suite 513

Seattle, WA 98104-3855

Phone 206-477-5300 / FAX 206-263-3001

Email: info.kciw@kingcounty.gov

H2S Monitoring

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A9002

Permit No.: 7842-03

Please Specify Month & Year: Month: June 2022

This form is available at www.kingcounty.gov/industrialwaste.

All units are PPM unless otherwise noted.

Sample Date (circle)	H ₂ S - Air MAX	H ₂ S - Air Average	Active Discharge during MAX H ₂ S reading? (Y/N)
1			
2	0	0	Y
3	0	0	Y
4	0	0	Y
5	0	0	Y
6	0	0	Y
7	0	0	Y
8	0	0	Y
9	0	0	Y
10	0	0	Y
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
Monthly MAX	0		
Monthly AVG	0		

6/2/22-6/10/22

Parameter	H ₂ S - Air
Monitoring Period	6/2/22-6/10/22
Limit Type	15-min average
Limit	15.0 ppm
Max Value	0
Value	N/A

- Per KCIW guidance, the following values are reported for administrative purposes, only:
- H₂S - Air MAX
 - H₂S - Air Average
 - Monthly MAX
 - Monthly Average

Notes

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

Signature of Principal Executive or Authorized Agent

Jul 15, 2022

Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 06/09/2022
 Report Group: CHLS-P_060822

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS220601P**
 SDG/Lab Sample ID: **16737 / L79077-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **06/01/2022**
 LoginDate: **06/01/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals			MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q							
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		06/03/2022	06/06/2022	WG182032	
Aluminum, Total	10	mg/L	.79		.0503	.0503		06/06/2022	06/07/2022	WG182051	
Antimony, Total	10	mg/L	.0258		.00302	.00302		06/06/2022	06/07/2022	WG182051	
Arsenic, Total	10	mg/L	.255		.000503	.000503	1	06/06/2022	06/07/2022	WG182051	
Barium, Total	10	mg/L	.0944		.00503	.00503		06/06/2022	06/07/2022	WG182051	
Beryllium, Total	10	mg/L	<.00101	U	.00101	.00101		06/06/2022	06/07/2022	WG182051	
Cadmium, Total	10	mg/L	<.000503	U	.000503	.000503	0.5	06/06/2022	06/07/2022	WG182051	
Calcium, Total	10	mg/L	58		.503	.503		06/06/2022	06/07/2022	WG182051	
Chromium, Total	10	mg/L	.0668		.00201	.00201	2.75	06/06/2022	06/07/2022	WG182051	
Cobalt, Total	10	mg/L	.0154		.000503	.000503		06/06/2022	06/07/2022	WG182051	
Copper, Total	10	mg/L	.00638		.00201	.00201	3	06/06/2022	06/07/2022	WG182051	
Iron, Total	10	mg/L	6.41		.101	.101		06/06/2022	06/07/2022	WG182051	
Lead, Total	10	mg/L	.00117		.00101	.00101	2	06/06/2022	06/07/2022	WG182051	
Magnesium, Total	10	mg/L	46.2		.503	.503		06/06/2022	06/07/2022	WG182051	
Manganese, Total	10	mg/L	.569		.00101	.00101		06/06/2022	06/07/2022	WG182051	
Nickel, Total	10	mg/L	.0625		.00101	.00101	2.5	06/06/2022	06/07/2022	WG182051	
Phosphorus, Total	10	mg/L	2.52		1.01	1.01		06/06/2022	06/07/2022	WG182051	
Potassium, Total	10	mg/L	214		1.01	1.01		06/06/2022	06/07/2022	WG182051	
Selenium, Total	10	mg/L	<.00503	U	.00503	.00503		06/06/2022	06/07/2022	WG182051	
Silver, Total	10	mg/L	<.000403	U	.000403	.000403	1	06/06/2022	06/07/2022	WG182051	
Sodium, Total	10	mg/L	570		1.01	1.01		06/06/2022	06/07/2022	WG182051	
Thallium, Total	10	mg/L	<.000755	U	.000755	.000755		06/06/2022	06/07/2022	WG182051	
Tin, Total	10	mg/L	.00756		.00503	.00503		06/06/2022	06/07/2022	WG182051	
Vanadium, Total	10	mg/L	.022		.000755	.000755		06/06/2022	06/07/2022	WG182051	
Zinc, Total	10	mg/L	.107		.00503	.00503	5	06/06/2022	06/07/2022	WG182051	

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 06/16/2022
 Report Group: CHLS-P_061522

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: LEPS220607P	CollectDate: 06/07/2022
SDG/Lab Sample ID: 16808 / L79305-1	LoginDate: 06/08/2022
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Constituent	D.F.	Unit	Metals			MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q							
Aluminum, Total	10	mg/L	.59			.0499	.0499		06/09/2022	06/10/2022	WG182125
Antimony, Total	10	mg/L	.0206			.00299	.00299		06/09/2022	06/10/2022	WG182125
Arsenic, Total	10	mg/L	.194			.000499	.000499	1	06/09/2022	06/10/2022	WG182125
Barium, Total	10	mg/L	.0815			.00499	.00499		06/09/2022	06/10/2022	WG182125
Beryllium, Total	10	mg/L	<.000997	U		.000997	.000997		06/09/2022	06/10/2022	WG182125
Cadmium, Total	10	mg/L	<.000499	U		.000499	.000499	0.5	06/09/2022	06/10/2022	WG182125
Calcium, Total	10	mg/L	54.3			.499	.499		06/09/2022	06/10/2022	WG182125
Chromium, Total	10	mg/L	.0619			.00199	.00199	2.75	06/09/2022	06/10/2022	WG182125
Cobalt, Total	10	mg/L	.0144			.000499	.000499		06/09/2022	06/10/2022	WG182125
Copper, Total	10	mg/L	.00602			.00199	.00199	3	06/09/2022	06/10/2022	WG182125
Iron, Total	10	mg/L	5.34			.0997	.0997		06/09/2022	06/10/2022	WG182125
Lead, Total	10	mg/L	.00116			.000997	.000997	2	06/09/2022	06/10/2022	WG182125
Magnesium, Total	10	mg/L	41.1			.499	.499		06/09/2022	06/10/2022	WG182125
Manganese, Total	10	mg/L	.519			.000997	.000997		06/09/2022	06/10/2022	WG182125
Nickel, Total	10	mg/L	.0613			.000997	.000997	2.5	06/09/2022	06/10/2022	WG182125
Phosphorus, Total	10	mg/L	2.16			.997	.997		06/09/2022	06/10/2022	WG182125
Potassium, Total	10	mg/L	199			.997	.997		06/09/2022	06/10/2022	WG182125
Selenium, Total	10	mg/L	<.00499	U		.00499	.00499		06/09/2022	06/10/2022	WG182125
Silver, Total	10	mg/L	<.000399	U		.000399	.000399	1	06/09/2022	06/10/2022	WG182125
Sodium, Total	10	mg/L	505			.997	.997		06/09/2022	06/10/2022	WG182125
Thallium, Total	10	mg/L	<.000748	U		.000748	.000748		06/09/2022	06/10/2022	WG182125
Tin, Total	10	mg/L	.00638			.00499	.00499		06/09/2022	06/10/2022	WG182125
Vanadium, Total	10	mg/L	.0209			.000748	.000748		06/09/2022	06/10/2022	WG182125
Zinc, Total	10	mg/L	.0958			.00499	.00499	5	06/09/2022	06/10/2022	WG182125
Mercury, Total	2	mg/L	<.0001	U		.0001	.0001		06/09/2022	06/10/2022	WG182133

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 06/21/2022
 Report Group: CHLS-P_062122

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS220614P**
 SDG/Lab Sample ID: **16813 / L79305-2**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **06/14/2022**
 LoginDate: **06/14/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.463		.0497	.0497		06/15/2022	06/21/2022	WG182216
Antimony, Total	10	mg/L	.0156		.00298	.00298		06/15/2022	06/21/2022	WG182216
Arsenic, Total	10	mg/L	.139		.000497	.000497	1	06/15/2022	06/21/2022	WG182216
Barium, Total	10	mg/L	.071		.00497	.00497		06/15/2022	06/21/2022	WG182216
Beryllium, Total	10	mg/L	<.000994	U	.000994	.000994		06/15/2022	06/21/2022	WG182216
Cadmium, Total	10	mg/L	<.000497	U	.000497	.000497	0.5	06/15/2022	06/21/2022	WG182216
Calcium, Total	10	mg/L	49.8		.497	.497		06/15/2022	06/21/2022	WG182216
Chromium, Total	10	mg/L	.0492		.00199	.00199	2.75	06/15/2022	06/21/2022	WG182216
Cobalt, Total	10	mg/L	.0117		.000497	.000497		06/15/2022	06/21/2022	WG182216
Copper, Total	10	mg/L	.00525		.00199	.00199	3	06/15/2022	06/21/2022	WG182216
Iron, Total	10	mg/L	3.94		.0994	.0994		06/15/2022	06/21/2022	WG182216
Lead, Total	10	mg/L	<.000994	U	.000994	.000994	2	06/15/2022	06/21/2022	WG182216
Magnesium, Total	10	mg/L	35.6		.497	.497		06/15/2022	06/21/2022	WG182216
Manganese, Total	10	mg/L	.495		.000994	.000994		06/15/2022	06/21/2022	WG182216
Nickel, Total	10	mg/L	.0493		.000994	.000994	2.5	06/15/2022	06/21/2022	WG182216
Phosphorus, Total	10	mg/L	1.66		.994	.994		06/15/2022	06/21/2022	WG182216
Potassium, Total	10	mg/L	164		.994	.994		06/15/2022	06/21/2022	WG182216
Selenium, Total	10	mg/L	<.00497	U	.00497	.00497		06/15/2022	06/21/2022	WG182216
Silver, Total	10	mg/L	<.000398	U	.000398	.000398	1	06/15/2022	06/21/2022	WG182216
Sodium, Total	10	mg/L	424		.994	.994		06/15/2022	06/21/2022	WG182216
Thallium, Total	10	mg/L	<.000746	U	.000746	.000746		06/15/2022	06/21/2022	WG182216
Tin, Total	10	mg/L	<.00497	U	.00497	.00497		06/15/2022	06/21/2022	WG182216
Vanadium, Total	10	mg/L	.0177		.000746	.000746		06/15/2022	06/21/2022	WG182216
Zinc, Total	10	mg/L	.0734		.00497	.00497	5	06/15/2022	06/21/2022	WG182216
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		06/16/2022	06/17/2022	WG182266

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 07/11/2022
 Report Group: CHLS-P_063022

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: LEPS220622P	CollectDate: 06/22/2022
SDG/Lab Sample ID: 16831 / L79305-3	LoginDate: 06/23/2022
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.344		.05	.05		06/24/2022	06/27/2022	WG182393
Antimony, Total	10	mg/L	.0128		.003	.003		06/24/2022	06/27/2022	WG182393
Arsenic, Total	10	mg/L	.117		.0005	.0005	1	06/24/2022	06/27/2022	WG182393
Barium, Total	10	mg/L	.0703		.005	.005		06/24/2022	06/27/2022	WG182393
Beryllium, Total	10	mg/L	<.001	U	.001	.001		06/24/2022	06/27/2022	WG182393
Cadmium, Total	10	mg/L	<.0005	U	.0005	.0005	0.5	06/24/2022	06/27/2022	WG182393
Calcium, Total	10	mg/L	47.3		.5	.5		06/24/2022	06/27/2022	WG182393
Chromium, Total	10	mg/L	.0484		.002	.002	2.75	06/24/2022	06/27/2022	WG182393
Cobalt, Total	10	mg/L	.0122		.0005	.0005		06/24/2022	06/27/2022	WG182393
Copper, Total	10	mg/L	.00476		.002	.002	3	06/24/2022	06/27/2022	WG182393
Iron, Total	10	mg/L	3.32		.1	.1		06/24/2022	06/27/2022	WG182393
Lead, Total	10	mg/L	<.001	U	.001	.001	2	06/24/2022	06/27/2022	WG182393
Magnesium, Total	10	mg/L	38.8		.5	.5		06/24/2022	06/27/2022	WG182393
Manganese, Total	10	mg/L	.441		.001	.001		06/24/2022	06/27/2022	WG182393
Nickel, Total	10	mg/L	.0516		.001	.001	2.5	06/24/2022	06/27/2022	WG182393
Phosphorus, Total	10	mg/L	1.35		1	1		06/24/2022	06/27/2022	WG182393
Potassium, Total	10	mg/L	179		1	1		06/24/2022	06/27/2022	WG182393
Selenium, Total	10	mg/L	<.005	U	.005	.005		06/24/2022	06/27/2022	WG182393
Silver, Total	10	mg/L	<.0004	U	.0004	.0004	1	06/24/2022	06/27/2022	WG182393
Sodium, Total	10	mg/L	451		1	1		06/24/2022	06/27/2022	WG182393
Thallium, Total	10	mg/L	<.00075	U	.00075	.00075		06/24/2022	06/27/2022	WG182393
Tin, Total	10	mg/L	<.005	U	.005	.005		06/24/2022	06/27/2022	WG182393
Vanadium, Total	10	mg/L	.0189		.00075	.00075		06/24/2022	06/27/2022	WG182393
Zinc, Total	10	mg/L	.0876		.005	.005	5	06/24/2022	06/27/2022	WG182393
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		06/27/2022	06/28/2022	WG182424

Client Sample ID: **LEPS220628P**
 SDG/Lab Sample ID: **16900 / L79305-4**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **06/28/2022**
 LoginDate: **06/29/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals			MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q							
Aluminum, Total	10	mg/L	.388			.0499	.0499		06/30/2022	07/01/2022	WG182496
Antimony, Total	10	mg/L	.0169			.003	.003		06/30/2022	07/01/2022	WG182496
Arsenic, Total	10	mg/L	.148			.000499	.000499	1	06/30/2022	07/01/2022	WG182496
Barium, Total	10	mg/L	.0886			.00499	.00499		06/30/2022	07/01/2022	WG182496
Beryllium, Total	10	mg/L	<.000999	U		.000999	.000999		06/30/2022	07/01/2022	WG182496
Cadmium, Total	10	mg/L	<.000499	U		.000499	.000499	0.5	06/30/2022	07/01/2022	WG182496
Calcium, Total	10	mg/L	47.1			.499	.499		06/30/2022	07/01/2022	WG182496
Chromium, Total	10	mg/L	.0621			.002	.002	2.75	06/30/2022	07/01/2022	WG182496
Cobalt, Total	10	mg/L	.0154			.000499	.000499		06/30/2022	07/01/2022	WG182496
Copper, Total	10	mg/L	.00523			.002	.002	3	06/30/2022	07/01/2022	WG182496
Iron, Total	10	mg/L	3.6			.0999	.0999		06/30/2022	07/01/2022	WG182496
Lead, Total	10	mg/L	<.000999	U		.000999	.000999	2	06/30/2022	07/01/2022	WG182496
Magnesium, Total	10	mg/L	44.4			.499	.499		06/30/2022	07/01/2022	WG182496
Manganese, Total	10	mg/L	.486			.000999	.000999		06/30/2022	07/01/2022	WG182496

Page 1 of 2

Client Sample ID: **LEPS220628P**
 SDG/Lab Sample ID: **16900 / L79305-4**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **06/28/2022**
 LoginDate: **06/29/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals			MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q							
Nickel, Total	10	mg/L	.0649			.000999	.000999	2.5	06/30/2022	07/01/2022	WG182496
Phosphorus, Total	10	mg/L	1.83			.999	.999		06/30/2022	07/01/2022	WG182496
Potassium, Total	10	mg/L	216			.999	.999		06/30/2022	07/01/2022	WG182496
Selenium, Total	10	mg/L	<.00499	U		.00499	.00499		06/30/2022	07/01/2022	WG182496
Silver, Total	10	mg/L	<.0004	U		.0004	.0004	1	06/30/2022	07/01/2022	WG182496
Sodium, Total	10	mg/L	556			.999	.999		06/30/2022	07/01/2022	WG182496
Thallium, Total	10	mg/L	<.000749	U		.000749	.000749		06/30/2022	07/01/2022	WG182496
Tin, Total	10	mg/L	.00605			.00499	.00499		06/30/2022	07/01/2022	WG182496
Vanadium, Total	10	mg/L	.0234			.000749	.000749		06/30/2022	07/01/2022	WG182496
Zinc, Total	10	mg/L	.0931			.00499	.00499	5	06/30/2022	07/01/2022	WG182496
Mercury, Total	2	mg/L	<.0001	U		.0001	.0001		06/30/2022	07/01/2022	WG182516

HYDROGEN SULFIDE GAS AT MANHOLE R10-52

Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	3/29/2022 @ 09:41
Sample Count	Interval Time (sec)	Bump Test Date
11105	60	5/11/2022 @ 16:38
H2S Readings		
Date	Daily Max	Daily Average
6/2/2022	0	0
6/3/2022	0	0
6/4/2022	0	0
6/5/2022	0	0
6/6/2022	0	0
6/7/2022	0	0
6/8/2022	0	0
6/9/2022	0	0
6/10/2022	0	0

KING COUNTY SOLID WASTE DIVISION
LEACHATE HAULING REPORT
TANKER LOADS

MONTH: JUNE
 YEAR: 2022

DATE	DUVALL				VASHON				HOBART		OTHER		REMARKS	
	BRIGHT		C.H.		SPOK.		C.H.		C.H.		C.H.			
LOAD	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000		
1														
2														
3														
4														
5		2		1										
6														
7														
8														
9														
10														
11		2												
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22		2					1							
23														
24														
25														
26														
27														
28														
29														
30														
31														
TOTAL	0	42000	0	7000	0	0	0	7000	0	0	0	0	0	



King County

Solid Waste Division

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 5701

Seattle, WA 98104-3855

206-477-4466

711 TTY Relay

www.kingcounty.gov/solidwaste

August 12, 2022

TO: Biniam Zelelow, Industrial Waste Compliance Investigator, Wastewater Treatment Division

FM: Nina Wester, Environmental Scientist III, Solid Waste Division (SWD)

RE: Wastewater Discharge Permit # 7842-03 - Cedar Hills – Self-Monitoring Report

The purpose of this memorandum is to enclose the Self-Monitoring Report (SMR) for Cedar Hills (Permit Number 7842-03) for the month of July 2022. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 7/6/22 and 7/19/22)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 7/5/22-7/13/22)
- Leachate Hauling Report (for July)

All results met permit-specified limits.

Please contact me directly if you have any questions. I can be reached at (206) 263-3224, or by e-mail at nina.wester@kingcounty.gov.

Enclosures

cc: Glynda Steiner, P.E., CCM, Deputy Division Director, Solid Waste Division (SWD)
Theresa Thurlow, P.E., Section Manager, SWD
Jennifer Keune, Interim Supervisor, SWD
Dan Swope, Engineer III, SWD
Natalya Usova, Engineer II, SWD



Industrial Waste Program Monthly Self-Monitoring Report
Page 1 of 2

Company Name: **King County SWD - Cedar Hills Landfill**

Sample Site No. **A90021**

Permit No.: **7842-03**

Please Specify Month & Year: **Month: July 2022**

This form is available at www.kingcounty.gov/industrialwaste.

Send to: King County Industrial Waste Program
201 S. Jackson Street, Suite 513
Seattle, WA 98104-3855
Phone 206-477-5300 / FAX 206-263-3001
Email: info:KCIW@kingcounty.gov

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	pH	Arsenic, As		Cadmium, Cd		Chromium, Cr		Copper, Cu		Total Soluble Sulfides mg/L	Daily Industrial Flow LIMIT (GPD)	Notes (indicate Batch Discharge where applicable)
			LIMIT 1.0 (mg/L)	LOAD 0.27 (lbs./day)	LIMIT 0.5 (mg/L)	LOAD 0.17 (lbs./day)	LIMIT 2.75 (mg/L)	LOAD 1.20 (lbs./day)	LIMIT 3.0 (mg/L)	LOAD 6.89 (lbs./day)			
1												111,200	
2												0	
3												0	No discharge during week of
4												104,200	
5												110,200	
6	C	8.31	0.169	0.1553	<0.0005	0.0002	0.0749	0.0688	0.00585	0.0054	<0.1	1,277,300	7/11-7/15 And
7												394,400	7/25-29
8												0	
9												0	
10												0	
11												0	
12												0	
13												0	
14												0	
15												2,200	
16												918,500	
17												0	
18												0	
19	C	8.37	0.204	0.1916	<0.0005	0.0002	0.0926	0.0870	0.00696	0.0065	<0.1	112,600	
20												0	
21												0	
22												858,800	
23												0	
24												0	
25												0	
26												0	
27												0	
28												0	
29												0	
30												0	
31												0	

Monthly Min pH: 8.31
Monthly Max pH: 8.37

7/6/22
7/19/22

Total Monthly Flow (gallons): 3,889,400
Maximum Daily Flow: 1,277,300

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

7/7/22

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by: Aug 12, 2022
Signature of Principal Executive or Authorized Agent Date



Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info.kciw@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

Please Specify Month & Year: Month: July 2022

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	Lead, Pb		Mercury, Hg		Nickel, Ni		Silver, Ag		Zinc, Zn		Notes (indicate Batch Discharge where applicable)
		LIMIT 2.0 (mg/L)	LOAD 1.2 (lbs/day)	LIMIT 0.1 (mg/L)	LOAD 0.06 (lbs/day)	LIMIT 2.5 (mg/L)	LOAD 2.49 (lbs/day)	LIMIT 1.0 (mg/L)	LOAD 0.44 (lbs/day)	LIMIT 5.0 (mg/L)	LOAD 12.31 (lbs/day)	
1												
2												
3												
4												
5												
6	C	0.00113	0.00104	<0.0001	0.00005	0.0787	0.072	<0.0004	0.0002	0.0993	0.091	
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19	C	0.00157	0.00147	<0.0001	0.00005	0.094	0.088	<0.0004	0.0002	0.125	0.117	
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

Signed by:

Signature of Principal Executive or Authorized Agent

Aug 12, 2022

Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.



King County

Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program

201 S. Jackson Street, Suite 513

Seattle, WA 98104-3855

Phone 206-477-5300 / FAX 206-263-3001

Email: info.kciw@kingcounty.gov

H2S Monitoring

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A9002

Permit No.: 7842-03

Please Specify Month & Year: Month: July 2022

This form is available at www.kingcounty.gov/industrialwaste.

All units are PPM unless otherwise noted.

Sample Date (circle)	H ₂ S - Air MAX	H ₂ S - Air Average	Active Discharge during MAX H ₂ S reading? (Y/N)	Notes																								
1				<table border="1"> <tr><td>Parameter</td><td colspan="3">H₂S - Air</td></tr> <tr><td>Monitoring Period</td><td>7/5/22-7/13/22</td><td></td><td></td></tr> <tr><td>Limit Type</td><td>15-min average</td><td>8-hr average</td><td>7-day average</td></tr> <tr><td>Limit</td><td>15.0 ppm</td><td>10.0 ppm</td><td>3.0 ppm</td></tr> <tr><td>Max Value</td><td>0</td><td>0</td><td>N/A</td></tr> <tr><td>Value</td><td>N/A</td><td>N/A</td><td>0</td></tr> </table> <p>Per KCIW guidance, the following values are reported for administrative purposes, only:</p> <ul style="list-style-type: none"> • H₂S - Air MAX • H₂S - Air Average • Monthly MAX • Monthly Average 	Parameter	H ₂ S - Air			Monitoring Period	7/5/22-7/13/22			Limit Type	15-min average	8-hr average	7-day average	Limit	15.0 ppm	10.0 ppm	3.0 ppm	Max Value	0	0	N/A	Value	N/A	N/A	0
Parameter	H ₂ S - Air																											
Monitoring Period	7/5/22-7/13/22																											
Limit Type	15-min average	8-hr average	7-day average																									
Limit	15.0 ppm	10.0 ppm	3.0 ppm																									
Max Value	0	0	N/A																									
Value	N/A	N/A	0																									
2																												
3																												
4																												
5	0	0	Y																									
6	0	0	Y																									
7	0	0	Y																									
8	0	0	Y																									
9	0	0	Y																									
10	0	0	Y																									
11	0	0	Y																									
12	0	0	Y																									
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29																												
30																												
31																												
Monthly MAX	0			7/5/22-7/13/22																								
Monthly AVG	0																											

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

Signature of Principal Executive or Authorized Agent

Aug 12, 2022

Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 07/15/2022
 Report Group: CHLS-P_071322

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS220706P**
 SDG/Lab Sample ID: **16854 / L79547-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **07/06/2022**
 LoginDate: **07/06/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.313		.0502	.0502		07/07/2022	07/08/2022	WG182586
Antimony, Total	10	mg/L	.0196		.00301	.00301		07/07/2022	07/08/2022	WG182586
Arsenic, Total	10	mg/L	.169		.000502	.000502	1	07/07/2022	07/08/2022	WG182586
Barium, Total	10	mg/L	.0998		.00502	.00502		07/07/2022	07/08/2022	WG182586
Beryllium, Total	10	mg/L	<.001	U	.001	.001		07/07/2022	07/08/2022	WG182586
Cadmium, Total	10	mg/L	<.000502	U	.000502	.000502	0.5	07/07/2022	07/08/2022	WG182586
Calcium, Total	10	mg/L	45.7		.502	.502		07/07/2022	07/08/2022	WG182586
Chromium, Total	10	mg/L	.0749		.00201	.00201	2.75	07/07/2022	07/08/2022	WG182586
Cobalt, Total	10	mg/L	.0185		.000502	.000502		07/07/2022	07/08/2022	WG182586
Copper, Total	10	mg/L	.00585		.00201	.00201	3	07/07/2022	07/08/2022	WG182586
Iron, Total	10	mg/L	3.33		.1	.1		07/07/2022	07/08/2022	WG182586
Lead, Total	10	mg/L	.00113		.001	.001	2	07/07/2022	07/08/2022	WG182586
Magnesium, Total	10	mg/L	52.9		.502	.502		07/07/2022	07/08/2022	WG182586
Manganese, Total	10	mg/L	.47		.001	.001		07/07/2022	07/08/2022	WG182586
Nickel, Total	10	mg/L	.0787		.001	.001	2.5	07/07/2022	07/08/2022	WG182586
Phosphorus, Total	10	mg/L	1.88		1	1		07/07/2022	07/08/2022	WG182586
Potassium, Total	10	mg/L	259		1	1		07/07/2022	07/08/2022	WG182586
Selenium, Total	10	mg/L	<.00502	U	.00502	.00502		07/07/2022	07/08/2022	WG182586
Silver, Total	10	mg/L	<.000402	U	.000402	.000402	1	07/07/2022	07/08/2022	WG182586
Sodium, Total	10	mg/L	678		1	1		07/07/2022	07/08/2022	WG182586
Thallium, Total	10	mg/L	<.000753	U	.000753	.000753		07/07/2022	07/08/2022	WG182586
Tin, Total	10	mg/L	.0081		.00502	.00502		07/07/2022	07/08/2022	WG182586
Vanadium, Total	10	mg/L	.0285		.000753	.000753		07/07/2022	07/08/2022	WG182586
Zinc, Total	10	mg/L	.0993		.00502	.00502	5	07/07/2022	07/08/2022	WG182586
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		07/11/2022	07/12/2022	WG182632

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 07/29/2022
 Report Group: CHLS-P_072622

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: LEPS220719P	CollectDate: 07/19/2022
SDG/Lab Sample ID: 16859 / L79547-2	LoginDate: 07/19/2022
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Constituent	D.F.	Unit	Metals			MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q							
Aluminum, Total	10	mg/L	.416			.0499	.0499		07/20/2022	07/21/2022	WG182815
Antimony, Total	10	mg/L	.025			.00299	.00299		07/20/2022	07/21/2022	WG182815
Arsenic, Total	10	mg/L	.204			.000499	.000499	1	07/20/2022	07/21/2022	WG182815
Barium, Total	10	mg/L	.12			.00499	.00499		07/20/2022	07/21/2022	WG182815
Beryllium, Total	10	mg/L	<.000998	U		.000998	.000998		07/20/2022	07/21/2022	WG182815
Cadmium, Total	10	mg/L	<.000499	U		.000499	.000499	0.5	07/20/2022	07/21/2022	WG182815
Calcium, Total	10	mg/L	48.2			.499	.499		07/20/2022	07/21/2022	WG182815
Chromium, Total	10	mg/L	.0926			.002	.002	2.75	07/20/2022	07/21/2022	WG182815
Cobalt, Total	10	mg/L	.023			.000499	.000499		07/20/2022	07/21/2022	WG182815
Copper, Total	10	mg/L	.00696			.002	.002	3	07/20/2022	07/21/2022	WG182815
Iron, Total	10	mg/L	3.78			.0998	.0998		07/20/2022	07/21/2022	WG182815
Lead, Total	10	mg/L	.00157			.000998	.000998	2	07/20/2022	07/21/2022	WG182815
Magnesium, Total	10	mg/L	61			.499	.499		07/20/2022	07/21/2022	WG182815
Manganese, Total	10	mg/L	.555			.000998	.000998		07/20/2022	07/21/2022	WG182815
Nickel, Total	10	mg/L	.094			.000998	.000998	2.5	07/20/2022	07/21/2022	WG182815
Phosphorus, Total	10	mg/L	2.45			.998	.998		07/20/2022	07/21/2022	WG182815
Potassium, Total	10	mg/L	319			.998	.998		07/20/2022	07/21/2022	WG182815
Selenium, Total	10	mg/L	<.00499	U		.00499	.00499		07/20/2022	07/21/2022	WG182815
Silver, Total	10	mg/L	<.000399	U		.000399	.000399	1	07/20/2022	07/21/2022	WG182815
Sodium, Total	10	mg/L	825			.998	.998		07/20/2022	07/21/2022	WG182815
Thallium, Total	10	mg/L	<.000748	U		.000748	.000748		07/20/2022	07/21/2022	WG182815
Tin, Total	10	mg/L	.00871			.00499	.00499		07/20/2022	07/21/2022	WG182815
Vanadium, Total	10	mg/L	.0355			.000748	.000748		07/20/2022	07/21/2022	WG182815
Zinc, Total	10	mg/L	.125			.00499	.00499	5	07/20/2022	07/21/2022	WG182815
Mercury, Total	2	mg/L	<.0001	U		.0001	.0001		07/20/2022	07/25/2022	WG182831

Target Parameter Count for SDG: 25

HYDROGEN SULFIDE GAS AT MANHOLE R10-52		
Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	6/28/2022 @ 1332
Sample Count	Interval Time (sec)	Bump Test Date
11630	60	6/28/2022 @ 1401
H2S Readings		
Date	Daily Max	Daily Average
7/5/2022	0.0	0.0
7/6/2022	0.0	0.0
7/7/2022	0.0	0.0
7/8/2022	0.0	0.0
7/9/2022	0.0	0.0
7/10/2022	0.0	0.0
7/11/2022	0.0	0.0
7/12/2022	0.0	0.0
7/13/2022	0.0	0.0



King County

Solid Waste Division

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 5701

Seattle, WA 98104-3855

206-477-4466

711 TTY Relay

www.kingcounty.gov/solidwaste

September 14, 2022

TO: Biniam Zelelow, Industrial Waste Compliance Investigator, Wastewater Treatment Division

FM: Nina Wester, Environmental Scientist III, Solid Waste Division (SWD)

^{DS}

RE: Wastewater Discharge Permit # 7842-03 - Cedar Hills – Self-Monitoring Report

The purpose of this memorandum is to enclose the Self-Monitoring Report (SMR) for Cedar Hills (Permit Number 7842-03) for the month of August 2022. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 8/3/22 and 8/23/22)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 8/3/22-8/10/22)
- Leachate Hauling Report (for August)

All results met permit-specified limits.

Please contact me directly if you have any questions. I can be reached at (206) 263-3224, or by e-mail at nina.wester@kingcounty.gov.

Enclosures

cc: Glynda Steiner, P.E., CCM, Deputy Division Director, Solid Waste Division (SWD)
Theresa Thurlow, P.E., Section Manager, SWD
Jennifer Keune, Interim Supervisor, SWD
Dan Swope, Engineer III, SWD
Natalya Usova, Engineer II, SWD



Industrial Waste Program Monthly Self-Monitoring Report

Page 1 of 2

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info:KCIW@kingcounty.gov

Company Name: **King County SWD - Cedar Hills Landfill**

Sample Site No. **A90021**

Permit No.: **7842-03**

Please Specify Month & Year: **Month: August 2022**

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date <small>(circle)</small>	Sample Type*	pH	Arsenic, As		Cadmium, Cd		Chromium, Cr		Copper, Cu		Total Soluble Sulfides LIMIT - 0.1 mg/L	Daily Industrial Flow LIMIT 2,700,000 (GPD)	Notes (indicate Batch Discharge where applicable)
			LIMIT 1.0 (mg/L)	LOAD 0.27 (lbs/day)	LIMIT 0.5 (mg/L)	LOAD 0.17 (lbs/day)	LIMIT 2.75 (mg/L)	LOAD 1.20 (lbs/day)	LIMIT 3.0 (mg/L)	LOAD 6.89 (lbs/day)			
1													
2													
3	C	8.30	0.221	0.1954	<0.0005	0.0002	0.104	0.0919	0.0107	0.0095	<0.1	854,800 823,300 106,000 522,100	No discharge during week of 8/8-8/12 And 8/15-8/19
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23	C	8.50	0.259	0.1601	<0.0005	0.0002	0.131	0.0810	0.00719	0.0044	<0.1	74,100	
24													
25													
26													
27													
28													
29													
30													
31													

Monthly Min pH: 8.30
 Monthly Max pH: 8.50


8/3/22
 8/23/22

Total Monthly Flow (gallons): 3,432,600
 Maximum Daily Flow: 1,004,200

Due Date: Monthly report is due by the 15th each month.

8/21/22

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by: 
 Signature of Principal Executive or Authorized Agent
 Sep 14, 2022
 Date



Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info@KIW@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

Please Specify Month & Year: Month: August 2022

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	Lead, Pb		Mercury, Hg		Nickel, Ni		Silver, Ag		Zinc, Zn		Notes (Indicate Batch Discharge where applicable)
		LIMIT 2.0 (mg/L)	LOAD 1.2 (lbs/day)	LIMIT 0.1 (mg/L)	LOAD 0.06 (lbs/day)	LIMIT 2.5 (mg/L)	LOAD 2.49 (lbs/day)	LIMIT 1.0 (mg/L)	LOAD 0.44 (lbs/day)	LIMIT 5.0 (mg/L)	LOAD 12.31 (lbs/day)	
1												
2												
3	C	0.00214	0.00189	<0.0001	0.00004	0.102	0.090	<0.0004	0.0002	0.167	0.148	No discharge during week of 8/8-8/12 And 8/15-8/19
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23	C	0.00194	0.00120	<0.0001	0.00003	0.127	0.078	<0.0004	0.0001	0.176	0.109	
24												
25												
26												
27												
28												
29												
30												
31												

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

 Signature of Principal Executive or Authorized Agent

Sep 14, 2022
 Date



King County

Industrial Waste Program Monthly Self-Monitoring Report

H2S Monitoring

Send to: King County Industrial Waste Program
201 S. Jackson Street, Suite 513
Seattle, WA 98104-3855
Phone 206-477-5300 / FAX 206-263-3001
Email: info.KCIW@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A9002

Permit No.: 7842-03

Please Specify Month & Year: Month: August 2022

This form is available at www.kingcounty.gov/industrialwaste.

All units are PPM unless otherwise noted.

Sample Date (circle)	H ₂ S - Air MAX	H ₂ S - Air Average	Active Discharge during MAX H ₂ S reading? (Y/N)
1			
2	0	0	Y
3	0	0	Y
4	0	0	Y
5	0	0	Y
6	0	0	Y
7	0	0	Y
8	0	0	Y
9	0	0	Y
10	0	0	Y
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
Monthly MAX	0		
Monthly AVG	0		

8/2/22-8/10/22

Notes

Parameter	H ₂ S - Air
Monitoring Period	8/2/22-8/10/22
Limit Type	15-min average
Limit	15.0 ppm
Max Value	0
Value	N/A

- Per KCIW guidance, the following values are reported for administrative purposes, only:
- H₂S - Air MAX
 - H₂S - Air Average
 - Monthly MAX
 - Monthly Average

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:
Donna J. Kuno

Signature of Principal Executive or Authorized Agent

Sep 14, 2022

Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 08/22/2022
 Report Group: CHLS-P_081122

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: LEPS220803P	CollectDate: 08/03/2022
SDG/Lab Sample ID: 16935 / L79772-2	LoginDate: 08/04/2022
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Constituent	D.F.	Unit	Metals				MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q								
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001			08/05/2022	08/05/2022	WG183163	
Aluminum, Total	10	mg/L	.911		.05	.05			08/08/2022	08/09/2022	WG183171	
Antimony, Total	10	mg/L	.0282		.003	.003			08/08/2022	08/09/2022	WG183171	
Arsenic, Total	10	mg/L	.221		.0005	.0005	1		08/08/2022	08/09/2022	WG183171	
Barium, Total	10	mg/L	.15		.005	.005			08/08/2022	08/09/2022	WG183171	
Beryllium, Total	10	mg/L	<.001	U	.001	.001			08/08/2022	08/09/2022	WG183171	
Cadmium, Total	10	mg/L	<.0005	U	.0005	.0005	0.5		08/08/2022	08/09/2022	WG183171	
Calcium, Total	10	mg/L	59.2		.5	.5			08/08/2022	08/09/2022	WG183171	
Chromium, Total	10	mg/L	.104		.002	.002	2.75		08/08/2022	08/09/2022	WG183171	
Cobalt, Total	10	mg/L	.0263		.0005	.0005			08/08/2022	08/09/2022	WG183171	
Copper, Total	10	mg/L	.0107		.002	.002	3		08/08/2022	08/09/2022	WG183171	
Iron, Total	10	mg/L	4.97		.1	.1			08/08/2022	08/09/2022	WG183171	
Lead, Total	10	mg/L	.00214		.001	.001	2		08/08/2022	08/09/2022	WG183171	
Magnesium, Total	10	mg/L	66		.5	.5			08/08/2022	08/09/2022	WG183171	
Manganese, Total	10	mg/L	.775		.001	.001			08/08/2022	08/09/2022	WG183171	
Nickel, Total	10	mg/L	.102		.001	.001	2.5		08/08/2022	08/09/2022	WG183171	
Phosphorus, Total	10	mg/L	3.42		1	1			08/08/2022	08/09/2022	WG183171	
Potassium, Total	10	mg/L	349		1	1			08/08/2022	08/09/2022	WG183171	
Selenium, Total	10	mg/L	<.005	U	.005	.005			08/08/2022	08/09/2022	WG183171	
Silver, Total	10	mg/L	<.0004	U	.0004	.0004	1		08/08/2022	08/09/2022	WG183171	
Sodium, Total	10	mg/L	910		1	1			08/08/2022	08/09/2022	WG183171	
Thallium, Total	10	mg/L	<.00075	U	.00075	.00075			08/08/2022	08/09/2022	WG183171	
Tin, Total	10	mg/L	.00908		.005	.005			08/08/2022	08/09/2022	WG183171	
Vanadium, Total	10	mg/L	.04		.00075	.00075			08/08/2022	08/09/2022	WG183171	
Zinc, Total	10	mg/L	.167		.005	.005	5		08/08/2022	08/09/2022	WG183171	

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 09/12/2022
 Report Group: CHLS-P_083022

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS220823P**
 SDG/Lab Sample ID: **16878 / L79547-3**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **08/23/2022**
 LoginDate: **08/23/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.539		.0501	.0501		08/24/2022	08/25/2022	WG183539
Antimony, Total	10	mg/L	.039		.003	.003		08/24/2022	08/25/2022	WG183539
Arsenic, Total	10	mg/L	.259		.000501	.000501	1	08/24/2022	08/25/2022	WG183539
Barium, Total	10	mg/L	.155		.00501	.00501		08/24/2022	08/25/2022	WG183539
Beryllium, Total	10	mg/L	<.001	U	.001	.001		08/24/2022	08/25/2022	WG183539
Cadmium, Total	10	mg/L	<.000501	U	.000501	.000501	0.5	08/24/2022	08/25/2022	WG183539
Calcium, Total	10	mg/L	61.3		.501	.501		08/24/2022	08/25/2022	WG183539
Chromium, Total	10	mg/L	.131		.002	.002	2.75	08/24/2022	08/25/2022	WG183539
Cobalt, Total	10	mg/L	.0313		.000501	.000501		08/24/2022	08/25/2022	WG183539
Copper, Total	10	mg/L	.00719		.002	.002	3	08/24/2022	08/25/2022	WG183539
Iron, Total	10	mg/L	4.87		.1	.1		08/24/2022	08/25/2022	WG183539
Lead, Total	10	mg/L	.00194		.001	.001	2	08/24/2022	08/25/2022	WG183539
Magnesium, Total	10	mg/L	76.6		.501	.501		08/24/2022	08/25/2022	WG183539
Manganese, Total	10	mg/L	.78		.001	.001		08/24/2022	08/25/2022	WG183539
Nickel, Total	10	mg/L	.127		.001	.001	2.5	08/24/2022	08/25/2022	WG183539
Phosphorus, Total	10	mg/L	3.38		1	1		08/24/2022	08/25/2022	WG183539
Potassium, Total	10	mg/L	425		1	1		08/24/2022	08/25/2022	WG183539
Selenium, Total	10	mg/L	<.00501	U	.00501	.00501		08/24/2022	08/25/2022	WG183539
Silver, Total	10	mg/L	<.000401	U	.000401	.000401	1	08/24/2022	08/25/2022	WG183539
Sodium, Total	10	mg/L	1120		1	1		08/24/2022	08/25/2022	WG183539
Thallium, Total	10	mg/L	<.000751	U	.000751	.000751		08/24/2022	08/25/2022	WG183539
Tin, Total	10	mg/L	.0122		.00501	.00501		08/24/2022	08/25/2022	WG183539
Vanadium, Total	10	mg/L	.0522		.000751	.000751		08/24/2022	08/25/2022	WG183539
Zinc, Total	10	mg/L	.176		.00501	.00501	5	08/24/2022	08/25/2022	WG183539
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		08/24/2022	08/26/2022	WG183586

Target Parameter Count for SDG: 25

HYDROGEN SULFIDE GAS AT MANHOLE R10-52		
Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	6/28/2022 @ 1332
Sample Count	Interval Time (sec)	Bump Test Date
11363	60	7/29/2022 @ 1322
H2S Readings		
Date	Daily Max	Daily Average
8/2/2022	0.0	0.0
8/3/2022	0.0	0.0
8/4/2022	0.0	0.0
8/5/2022	0.0	0.0
8/6/2022	0.0	0.0
8/7/2022	0.0	0.0
8/8/2022	0.0	0.0
8/9/2022	0.0	0.0
8/10/2022	0.0	0.0


King County
Solid Waste Division

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 5701

Seattle, WA 98104-3855

206-477-4466

711 TTY Relay

www.kingcounty.gov/solidwaste

October 13, 2022

TO: Biniam Zelelow, Industrial Waste Compliance Investigator, Wastewater Treatment Division

FM: Nina Wester, Environmental Scientist III, Solid Waste Division (SWD)

 RE: Wastewater Discharge Permit # 7842-03 - Cedar Hills – Self-Monitoring Report

The purpose of this memorandum is to enclose the Self-Monitoring Report (SMR) for Cedar Hills (Permit Number 7842-03) for the month of September 2022. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 9/1/22, 9/7/22, and 9/27/22)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 9/1/22-9/9/22)
- Leachate Hauling Report (for September)

The following exceedances occurred during the month of September:

Parameter	Date of Exceedance	Aware Date	Notification Date and Time
Arsenic Loading	9/27/22	10/6/22	10/7/22 @ 08:00

All other results met permit-specified limits. Per KCIW guidance, details regarding September's arsenic loading exceedance are included in the appended 14-day report.

Please contact me directly if you have any questions. I can be reached at (206) 263-3224, or by e-mail at nina.wester@kingcounty.gov.

Enclosures

cc: Glynda Steiner, P.E., CCM, Deputy Division Director, Solid Waste Division (SWD)
 Theresa Thurlow, P.E., Section Manager, SWD
 Jennifer Keune, Interim Supervisor, SWD
 Dan Swope, Engineer III, SWD
 Natalya Usova, Engineer II, SWD



Industrial Waste Program Monthly Self-Monitoring Report
 Page 1 of 2

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info:KCIW@kingcounty.gov

Company Name: **King County SWD - Cedar Hills Landfill**

Sample Site No. **A90021**

Permit No.: **7842-03**

Please Specify Month & Year: **Month: September 2022**

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	Arsenic, As		Cadmium, Cd		Chromium, Cr		Copper, Cu		Total Soluble Sulfides mg/L	Daily Industrial Flow LIMIT (GPD)	Notes (indicate Batch Discharge where applicable)
		LIMIT 1.0 (mg/L)	LOAD 0.27 (lbs/day)	LIMIT 0.5 (mg/L)	LOAD 0.17 (lbs/day)	LIMIT 2.75 (mg/L)	LOAD 1.20 (lbs/day)	LIMIT 3.0 (mg/L)	LOAD 6.89 (lbs/day)			
1	C	8.50	0.268	N/A	<0.0005	0.136	N/A	0.00282	N/A	<0.1	0	No discharge on 9/1. Per guidance received
2											0	
3											798,100	
4											0	
5											908,100	
6											83,100	from Binlam
7	C	8.59	0.275	0.1906	<0.0005	0.143	0.0991	0.00656	0.0045	<0.1	175,800	Zellevon on
8											851,600	9/21, metals concentrations
9											0	are included as reference.
10											0	
11											0	
12											0	
13											0	
14											0	
15											0	
16											0	No discharge
17											0	During week of 9/12/9/16
18											0	And
19											0	9/19-9/23
20											0	
21											0	
22											0	
23											0	
24											0	
25											908,600	
26											130,400	
27	C	8.63	0.304	0.3306	<0.0005	0.186	0.2023	0.00664	0.0072	<0.1	0	
28											0	
29											0	
30											0	
31											N/A	

Monthly Min pH: 8.50
 Monthly Max pH: 8.63

9/1/22
 9/27/22

Total Monthly Flow (gallons): 3,855,700
 Maximum Daily Flow: 908,600

9/26/22

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by: Oct 14, 2022
 Signature of Principal Executive or Authorized Agent Date



Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info.KCIW@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

Please Specify Month & Year: Month: September 2022

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	Lead, Pb		Mercury, Hg		Nickel, Ni		Silver, Ag		Zinc, Zn		Notes (indicate Batch Discharge where applicable)
		LIMIT (mg/L)	LOAD (lbs/day)	LIMIT (mg/L)	LOAD (lbs/day)	LIMIT (mg/L)	LOAD (lbs/day)	LIMIT (mg/L)	LOAD (lbs/day)	LIMIT (mg/L)	LOAD (lbs/day)	
1	C	0.00153	N/A	<0.0001	N/A	0.135	N/A	<0.0004	N/A	0.122	N/A	No discharge on 9/1. Per guidance received from Bingham Zelelow
2												on 9/21, metals concentrations are included as reference.
3												
4												
5												
6												
7	C	0.00176	0.00122	<0.0001	0.00003	0.151	0.105	<0.0004	0.0001	0.191	0.132	
8												
9												
10												
11												
12												
13												
14												No discharge during week of 9/12-9/16 and 9/19-9/23
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27	C	0.00195	0.00212	<0.0001	0.00005	0.178	0.194	<0.0004	0.0002	0.188	0.204	
28												
29												
30												
31												

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

 Signature of Permittee Executive or Authorized Agent

Oct 14, 2022
 Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.



King County

Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program

201 S. Jackson Street, Suite 513

Seattle, WA 98104-3855

Phone 206-477-5300 / FAX 206-263-3001

Email: info.kciw@kingcounty.gov

H2S Monitoring

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A9002

Permit No.: 7842-03

Please Specify Month & Year: Month: September 2022

This form is available at www.kingcounty.gov/industrialwaste.

All units are PPM unless otherwise noted.

Sample Date (circle)	H ₂ S - Air MAX	H ₂ S - Air Average	Active Discharge during MAX H ₂ S reading? (Y/N)	Notes																								
1	0	0	Y	<table border="1"> <tr><td>Parameter</td><td colspan="3">H₂S - Air</td></tr> <tr><td>Monitoring Period</td><td>9/1/22-9/9/22</td><td></td><td></td></tr> <tr><td>Limit Type</td><td>15-min average</td><td>8-hr average</td><td>7-day average</td></tr> <tr><td>Limit</td><td>15.0 ppm</td><td>10.0 ppm</td><td>3.0 ppm</td></tr> <tr><td>Max Value</td><td>0</td><td>0</td><td>N/A</td></tr> <tr><td>Value</td><td>N/A</td><td>N/A</td><td>0</td></tr> </table> <p>Per KCIW guidance, the following values are reported for administrative purposes, only:</p> <ul style="list-style-type: none"> • H₂S - Air MAX • H₂S - Air Average • Monthly MAX • Monthly Average 	Parameter	H ₂ S - Air			Monitoring Period	9/1/22-9/9/22			Limit Type	15-min average	8-hr average	7-day average	Limit	15.0 ppm	10.0 ppm	3.0 ppm	Max Value	0	0	N/A	Value	N/A	N/A	0
Parameter	H ₂ S - Air																											
Monitoring Period	9/1/22-9/9/22																											
Limit Type	15-min average	8-hr average	7-day average																									
Limit	15.0 ppm	10.0 ppm	3.0 ppm																									
Max Value	0	0	N/A																									
Value	N/A	N/A	0																									
2	0	0	Y																									
3	0	0	Y																									
4	0	0	Y																									
5	0	0	Y																									
6	0	0	Y																									
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30																												
31																												
Monthly MAX	0			9/1/22-9/9/22																								
Monthly AVG	0																											

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

 Signature of Principal Executive or Authorized Agent

Oct 14, 2022
 Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 09/16/2022
 Report Group: CHLS-P_090822

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: LEPS220901P	CollectDate: 09/01/2022
SDG/Lab Sample ID: 16886 / L79772-1	LoginDate: 09/01/2022
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Constituent	D.F.	Unit	Metals			MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q							
Aluminum, Total	10	mg/L	.28			.0506	.0506		09/06/2022	09/07/2022	WG183766
Antimony, Total	10	mg/L	.041			.00303	.00303		09/06/2022	09/07/2022	WG183766
Arsenic, Total	10	mg/L	.268			.000506	.000506	1	09/06/2022	09/07/2022	WG183766
Barium, Total	10	mg/L	.141			.00506	.00506		09/06/2022	09/07/2022	WG183766
Beryllium, Total	10	mg/L	<.00101	U		.00101	.00101		09/06/2022	09/07/2022	WG183766
Cadmium, Total	10	mg/L	<.000506	U		.000506	.000506	0.5	09/06/2022	09/07/2022	WG183766
Calcium, Total	10	mg/L	48.3			.506	.506		09/06/2022	09/07/2022	WG183766
Chromium, Total	10	mg/L	.136			.00202	.00202	2.75	09/06/2022	09/07/2022	WG183766
Cobalt, Total	10	mg/L	.033			.000506	.000506		09/06/2022	09/07/2022	WG183766
Copper, Total	10	mg/L	.00282			.00202	.00202	3	09/06/2022	09/07/2022	WG183766
Iron, Total	10	mg/L	4.38			.101	.101		09/06/2022	09/07/2022	WG183766
Lead, Total	10	mg/L	.00153			.00101	.00101	2	09/06/2022	09/07/2022	WG183766
Magnesium, Total	10	mg/L	76.6			.506	.506		09/06/2022	09/07/2022	WG183766
Manganese, Total	10	mg/L	.504			.00101	.00101		09/06/2022	09/07/2022	WG183766
Nickel, Total	10	mg/L	.135			.00101	.00101	2.5	09/06/2022	09/07/2022	WG183766
Phosphorus, Total	10	mg/L	3.62			1.01	1.01		09/06/2022	09/07/2022	WG183766
Potassium, Total	10	mg/L	445			1.01	1.01		09/06/2022	09/07/2022	WG183766
Selenium, Total	10	mg/L	<.00506	U		.00506	.00506		09/06/2022	09/07/2022	WG183766
Silver, Total	10	mg/L	<.000405	U		.000405	.000405	1	09/06/2022	09/07/2022	WG183766
Sodium, Total	10	mg/L	1160			1.01	1.01		09/06/2022	09/07/2022	WG183766
Thallium, Total	10	mg/L	<.000758	U		.000758	.000758		09/06/2022	09/07/2022	WG183766
Tin, Total	10	mg/L	.0134			.00506	.00506		09/06/2022	09/07/2022	WG183766
Vanadium, Total	10	mg/L	.0529			.000758	.000758		09/06/2022	09/07/2022	WG183766
Zinc, Total	10	mg/L	.122			.00506	.00506	5	09/06/2022	09/07/2022	WG183766
Mercury, Total	2	mg/L	<.0001	U		.0001	.0001		09/06/2022	09/07/2022	WG183775

Client Sample ID: LEPS220907P
 SDG/Lab Sample ID: 16888 / L79772-4
 Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 09/07/2022
 LoginDate: 09/07/2022
 Matrix: LEACHATE

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.427		.05	.05		09/08/2022	09/12/2022	WG183803
Antimony, Total	10	mg/L	.0398		.003	.003		09/08/2022	09/12/2022	WG183803
Arsenic, Total	10	mg/L	.275		.0005	.0005	1	09/08/2022	09/12/2022	WG183803
Barium, Total	10	mg/L	.179		.005	.005		09/08/2022	09/12/2022	WG183803
Beryllium, Total	10	mg/L	<.001	U	.001	.001		09/08/2022	09/12/2022	WG183803
Cadmium, Total	10	mg/L	<.0005	U	.0005	.0005	0.5	09/08/2022	09/12/2022	WG183803
Calcium, Total	10	mg/L	58.8		.5	.5		09/08/2022	09/12/2022	WG183803
Chromium, Total	10	mg/L	.143		.002	.002	2.75	09/08/2022	09/12/2022	WG183803
Cobalt, Total	10	mg/L	.0359		.0005	.0005		09/08/2022	09/12/2022	WG183803
Copper, Total	10	mg/L	.00656		.002	.002	3	09/08/2022	09/12/2022	WG183803
Iron, Total	10	mg/L	4.6		.1	.1		09/08/2022	09/12/2022	WG183803
Lead, Total	10	mg/L	.00176		.001	.001	2	09/08/2022	09/12/2022	WG183803
Magnesium, Total	10	mg/L	87.4		.5	.5		09/08/2022	09/12/2022	WG183803
Manganese, Total	10	mg/L	.704		.001	.001		09/08/2022	09/12/2022	WG183803
Nickel, Total	10	mg/L	.151		.001	.001	2.5	09/08/2022	09/12/2022	WG183803
Phosphorus, Total	10	mg/L	3.87		1	1		09/08/2022	09/12/2022	WG183803
Potassium, Total	10	mg/L	480		1	1		09/08/2022	09/12/2022	WG183803
Selenium, Total	10	mg/L	<.005	U	.005	.005		09/08/2022	09/12/2022	WG183803
Silver, Total	10	mg/L	<.0004	U	.0004	.0004	1	09/08/2022	09/12/2022	WG183803
Sodium, Total	10	mg/L	1280		1	1		09/08/2022	09/12/2022	WG183803
Thallium, Total	10	mg/L	<.00075	U	.00075	.00075		09/08/2022	09/12/2022	WG183803
Tin, Total	10	mg/L	.0125		.005	.005		09/08/2022	09/12/2022	WG183803
Vanadium, Total	10	mg/L	.0598		.00075	.00075		09/08/2022	09/12/2022	WG183803
Zinc, Total	10	mg/L	.191		.005	.005	5	09/08/2022	09/12/2022	WG183803
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		09/08/2022	09/09/2022	WG183823

Target Parameter Count for SDG: 75

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 10/05/2022
 Report Group: CHLS-P_100422

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: LEPS220927P	CollectDate: 09/27/2022
SDG/Lab Sample ID: 16925 / L79772-5	LoginDate: 09/27/2022
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.536		.0504	.0504		09/28/2022	09/30/2022	WG184185
Antimony, Total	10	mg/L	.043		.00303	.00303		09/28/2022	09/30/2022	WG184185
Arsenic, Total	10	mg/L	.304		.000504	.000504	1	09/28/2022	09/30/2022	WG184185
Barium, Total	10	mg/L	.193		.00504	.00504		09/28/2022	09/30/2022	WG184185
Beryllium, Total	10	mg/L	<.00101	U	.00101	.00101		09/28/2022	09/30/2022	WG184185
Cadmium, Total	10	mg/L	<.000504	U	.000504	.000504	0.5	09/28/2022	09/30/2022	WG184185
Calcium, Total	10	mg/L	53.2		.504	.504		09/28/2022	09/30/2022	WG184185
Chromium, Total	10	mg/L	.186		.00202	.00202	2.75	09/28/2022	09/30/2022	WG184185
Cobalt, Total	10	mg/L	.0406		.000504	.000504		09/28/2022	09/30/2022	WG184185
Copper, Total	10	mg/L	.00664		.00202	.00202	3	09/28/2022	09/30/2022	WG184185
Iron, Total	10	mg/L	4.77		.101	.101		09/28/2022	09/30/2022	WG184185
Lead, Total	10	mg/L	.00195		.00101	.00101	2	09/28/2022	09/30/2022	WG184185
Magnesium, Total	10	mg/L	95.8		.504	.504		09/28/2022	09/30/2022	WG184185
Manganese, Total	10	mg/L	.641		.00101	.00101		09/28/2022	09/30/2022	WG184185
Nickel, Total	10	mg/L	.178		.00101	.00101	2.5	09/28/2022	09/30/2022	WG184185
Phosphorus, Total	10	mg/L	3.26		1.01	1.01		09/28/2022	09/30/2022	WG184185
Potassium, Total	10	mg/L	562		1.01	1.01		09/28/2022	09/30/2022	WG184185
Selenium, Total	10	mg/L	<.00504	U	.00504	.00504		09/28/2022	09/30/2022	WG184185
Silver, Total	10	mg/L	<.000403	U	.000403	.000403	1	09/28/2022	09/30/2022	WG184185
Sodium, Total	10	mg/L	1470		1.01	1.01		09/28/2022	09/30/2022	WG184185
Thallium, Total	10	mg/L	<.000756	U	.000756	.000756		09/28/2022	09/30/2022	WG184185
Tin, Total	10	mg/L	.015		.00504	.00504		09/28/2022	09/30/2022	WG184185
Vanadium, Total	10	mg/L	.0707		.000756	.000756		09/28/2022	09/30/2022	WG184185
Zinc, Total	10	mg/L	.188		.00504	.00504	5	09/28/2022	09/30/2022	WG184185
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		09/30/2022	10/03/2022	WG184242

Target Parameter Count for SDG: 25

HYDROGEN SULFIDE GAS AT MANHOLE R10-52		
Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	6/28/2022 @ 1332
Sample Count	Interval Time (sec)	Bump Test Date
11433	60	9/1/2022 @ 1447
H2S Readings		
Date	Daily Max	Daily Average
9/1/2022	0.0	0.0
9/2/2022	0.0	0.0
9/3/2022	0.0	0.0
9/4/2022	0.0	0.0
9/5/2022	0.0	0.0
9/6/2022	0.0	0.0
9/7/2022	0.0	0.0
9/8/2022	0.0	0.0
9/9/2022	0.0	0.0

KING COUNTY SOLID WASTE DIVISION
LEACHATE HAULING REPORT
TANKER LOADS

MONTH: SEPTEMBER
 YEAR: 2022

DATE	DUVALL				VASHON				HOBART		OTHER		REMARKS	
	BRIGHT		C.H.		SPOK.		C.H.		C.H.		C.H.			
	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000		
1														
2														
3														
4														
5														
6														
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24														
25														
26														
27														
28														
29														
30														
31														
TOTAL	0	0	0	0	0	0	7000	0	0	0	0	0	0	



King County

Solid Waste Division

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 5701

Seattle, WA 98104-3855

206-477-4466

711 TTY Relay

www.kingcounty.gov/solidwaste

November 15, 2022

TO: Biniam Zelelow, Industrial Waste Compliance Investigator, Wastewater Treatment Division

FM: Nina Wester, Environmental Scientist III, Solid Waste Division (SWD)

RE: Wastewater Discharge Permit # 7842-03 - Cedar Hills – Self-Monitoring Report

The purpose of this memorandum is to enclose the Self-Monitoring Report (SMR) for Cedar Hills (Permit Number 7842-03) for the month of October 2022. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 10/13/22, 10/19/22, and 10/25/22)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 10/5/22-10/13/22)
- Leachate Hauling Report (for October)

All results met permit-specified limits.

Please contact me directly if you have any questions. I can be reached at (206) 263-3224, or by e-mail at nina.wester@kingcounty.gov.

Enclosures

cc: Glynda Steiner, P.E., CCM, Deputy Division Director, Solid Waste Division (SWD)
Theresa Thurlow, P.E., Section Manager, SWD
Jennifer Keune, Interim Supervisor, SWD
Dan Swope, Engineer III, SWD
Natalya Usova, Engineer II, SWD



Industrial Waste Program Monthly Self-Monitoring Report
Page 1 of 2

Company Name: **King County SWD - Cedar Hills Landfill**

Sample Site No. **A90021**

Permit No.: **7842-03**

Please Specify Month & Year: **Month: October 2022**

This form is available at www.kingcounty.gov/industrialwaste.

Send to: King County Industrial Waste Program
201 S. Jackson Street, Suite 513
Seattle, WA 98104-3855
Phone 206-477-5300 / FAX 206-263-3001
Email: info:KCIW@kingcounty.gov

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	pH	Arsenic, As		Cadmium, Cd		Chromium, Cr		Copper, Cu		Total Soluble Sulfides LIMIT - 0.1 mg/L	Daily Industrial Flow LIMIT 2,700,000 (GPD)	Notes (indicate Batch Discharge where applicable)
			LIMIT 1.0 (mg/L)	LOAD 0.27 (lbs/day)	LIMIT 0.5 (mg/L)	LOAD 0.17 (lbs/day)	LIMIT 2.75 (mg/L)	LOAD 1.20 (lbs/day)	LIMIT 3.0 (mg/L)	LOAD 6.89 (lbs/day)			
1												0	No discharge
2												0	
3												0	During week of
4												0	10/1-10/8
5												0	
6												0	
7												0	
8												0	
9												940,700	
10												720,400	
11												869,800	
12												145,800	
13	C	8.57	0.297	0.2031	<0.0005	0.0002	0.17	0.1163	0.00895	0.0061	<0.1	82,000	
14												0	
15												0	
16												0	
17												0	
18												0	
19	C	8.56	0.304	0.2082	<0.0005	0.0002	0.174	0.1191	0.00646	0.0044	<0.1	82,100	
20												0	
21												71,800	
22												81,200	
23												0	
24												487,400	
25	C	8.65	0.301	0.1951	<0.0005	0.0002	0.179	0.1160	0.0081	0.0052	<0.1	77,700	
26												198,400	
27												51,200	
28												81,000	
29												74,600	
30												497,100	
31												103,600	

Monthly Min pH: 8.56
Monthly Max pH: 8.65

10/19/22
10/25/22

Total Monthly Flow (gallons): 4,564,800
Maximum Daily Flow: 940,700

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

10/9/22

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

Signature of Principal Executive or Authorized Agent
Date: **NOV 15, 2022**



Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info.KCIW@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

Please Specify Month & Year: Month: October 2022

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	Lead, Pb		Mercury, Hg		Nickel, Ni		Silver, Ag		Zinc, Zn		Notes (indicate Batch Discharge where applicable)
		LIMIT 2.0 (mg/L)	LOAD 1.2 (lbs/day)	LIMIT 0.1 (mg/L)	LOAD 0.06 (lbs/day)	LIMIT 2.5 (mg/L)	LOAD 2.49 (lbs/day)	LIMIT 1.0 (mg/L)	LOAD 0.44 (lbs/day)	LIMIT 5.0 (mg/L)	LOAD 12.31 (lbs/day)	
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13	C	0.00207	0.00142	<0.0001	0.00003	0.167	0.114	<0.0004	0.0001	0.215	0.147	
14												
15												
16												
17												
18												
19	C	0.00187	0.00128	<0.0001	0.00003	0.171	0.117	<0.0004	0.0001	0.206	0.141	
20												
21												
22												
23												
24												
25	C	0.00216	0.00140	<0.0001	0.00003	0.175	0.113	<0.0004	0.0001	0.234	0.152	
26												
27												
28												
29												
30												
31												

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

 Signature of Permittee or Authorized Agent

Nov 15, 2022
 Date



King County

Industrial Waste Program Monthly Self-Monitoring Report

H2S Monitoring

Send to: King County Industrial Waste Program

201 S. Jackson Street, Suite 513

Seattle, WA 98104-3855

Phone 206-477-5300 / FAX 206-263-3001

Email: info.KCIW@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A9002

Permit No.: 7842-03

Please Specify Month & Year: Month: October 2022

This form is available at www.kingcounty.gov/industrialwaste.

All units are PPM unless otherwise noted.

Sample Date (circle)	H ₂ S - Air MAX	H ₂ S - Air Average	Active Discharge during MAX H ₂ S reading? (Y/N)
1			
2			
3			
4			
5	0	0	Y
6	0	0	Y
7	0	0	Y
8	0	0	Y
9	0	0	Y
10	0	0	Y
11	0	0	Y
12	0	0	Y
13	0	0	Y
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			

Monthly MAX	0
Monthly AVG	0

10/5/22-10/13/22

Parameter	H ₂ S - Air		
Monitoring Period	10/5/22-10/13/22		
Limit Type	15-min average	8-hr average	7-day average
Limit	15.0 ppm	10.0 ppm	3.0 ppm
Max Value	0	0	N/A
Value	N/A	N/A	0

- Per KCIW guidance, the following values are reported for administrative purposes, only:
- H₂S - Air MAX
 - H₂S - Air Average
 - Monthly MAX
 - Monthly Average

Notes

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

 Signature of Principal Executive or Authorized Agent

Nov 15, 2022
 Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 10/20/2022
 Report Group: CHLS-P_102122

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS221013P**
 CoC / Lab Sample ID: **16970 / L80167-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

Collect Date: **10/13/2022**
 Login Date: **10/13/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Results	Q	Metals		Reg Limit	Prep Date	Run Date	Run
					MDL	RDL				
Aluminum, Total	10	mg/L	.706		.05	.05		10/14/2022	10/18/2022	WG184442
Antimony, Total	10	mg/L	.0415		.003	.003		10/14/2022	10/18/2022	WG184442
Arsenic, Total	10	mg/L	.297		.0005	.0005	1	10/14/2022	10/18/2022	WG184442
Barium, Total	10	mg/L	.203		.005	.005		10/14/2022	10/18/2022	WG184442
Beryllium, Total	10	mg/L	<.001	U	.001	.001		10/14/2022	10/18/2022	WG184442
Cadmium, Total	10	mg/L	<.0005	U	.0005	.0005	0.5	10/14/2022	10/18/2022	WG184442
Calcium, Total	10	mg/L	57.5		.5	.5		10/14/2022	10/18/2022	WG184442
Chromium, Total	10	mg/L	.17		.002	.002	2.75	10/14/2022	10/18/2022	WG184442
Cobalt, Total	10	mg/L	.0405		.0005	.0005		10/14/2022	10/18/2022	WG184442
Copper, Total	10	mg/L	.00895		.002	.002	3	10/14/2022	10/18/2022	WG184442
Iron, Total	10	mg/L	4.93		.1	.1		10/14/2022	10/18/2022	WG184442
Lead, Total	10	mg/L	.00207		.001	.001	2	10/14/2022	10/18/2022	WG184442
Magnesium, Total	10	mg/L	95.8		.5	.5		10/14/2022	10/18/2022	WG184442
Manganese, Total	10	mg/L	.693		.001	.001		10/14/2022	10/18/2022	WG184442
Nickel, Total	10	mg/L	.167		.001	.001	2.5	10/14/2022	10/18/2022	WG184442
Phosphorus, Total	10	mg/L	4.09		1	1		10/14/2022	10/18/2022	WG184442
Potassium, Total	10	mg/L	593		1	1		10/14/2022	10/18/2022	WG184442
Selenium, Total	10	mg/L	<.005	U	.005	.005		10/14/2022	10/18/2022	WG184442
Silver, Total	10	mg/L	<.0004	U	.0004	.0004	1	10/14/2022	10/18/2022	WG184442
Sodium, Total	10	mg/L	1500		1	1		10/14/2022	10/18/2022	WG184442
Thallium, Total	10	mg/L	<.00075	U	.00075	.00075		10/14/2022	10/18/2022	WG184442
Tin, Total	10	mg/L	.0156		.005	.005		10/14/2022	10/18/2022	WG184442
Vanadium, Total	10	mg/L	.0707		.00075	.00075		10/14/2022	10/18/2022	WG184442
Zinc, Total	10	mg/L	.215		.005	.005	5	10/14/2022	10/18/2022	WG184442
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		10/17/2022	10/18/2022	WG184495

Target Parameter Count for Report Group: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 10/27/2022
 Report Group: CHLS-P_102722

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS221019P**
 SDG/Lab Sample ID: **16968 / L80167-2**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **10/19/2022**
 LoginDate: **10/19/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q								
Aluminum, Total	10	mg/L	.608			.0499	.0499		10/20/2022	10/21/2022	WG184552	
Antimony, Total	10	mg/L	.0404			.00299	.00299		10/20/2022	10/21/2022	WG184552	
Arsenic, Total	10	mg/L	.304			.000499	.000499	1	10/20/2022	10/21/2022	WG184552	
Barium, Total	10	mg/L	.195			.00499	.00499		10/20/2022	10/21/2022	WG184552	
Beryllium, Total	10	mg/L	<.000998	U		.000998	.000998		10/20/2022	10/21/2022	WG184552	
Cadmium, Total	10	mg/L	<.000499	U		.000499	.000499	0.5	10/20/2022	10/21/2022	WG184552	
Calcium, Total	10	mg/L	54.9			.499	.499		10/20/2022	10/21/2022	WG184552	
Chromium, Total	10	mg/L	.174			.002	.002	2.75	10/20/2022	10/21/2022	WG184552	
Cobalt, Total	10	mg/L	.04			.000499	.000499		10/20/2022	10/21/2022	WG184552	
Copper, Total	10	mg/L	.00646			.002	.002	3	10/20/2022	10/21/2022	WG184552	
Iron, Total	10	mg/L	4.87			.0998	.0998		10/20/2022	10/21/2022	WG184552	
Lead, Total	10	mg/L	.00187			.000998	.000998	2	10/20/2022	10/21/2022	WG184552	
Magnesium, Total	10	mg/L	97.6			.499	.499		10/20/2022	10/21/2022	WG184552	
Manganese, Total	10	mg/L	.671			.000998	.000998		10/20/2022	10/21/2022	WG184552	
Nickel, Total	10	mg/L	.171			.000998	.000998	2.5	10/20/2022	10/21/2022	WG184552	
Phosphorus, Total	10	mg/L	3.41			.998	.998		10/20/2022	10/21/2022	WG184552	
Potassium, Total	10	mg/L	598			.998	.998		10/20/2022	10/21/2022	WG184552	
Selenium, Total	10	mg/L	<.00499	U		.00499	.00499		10/20/2022	10/21/2022	WG184552	
Silver, Total	10	mg/L	<.000399	U		.000399	.000399	1	10/20/2022	10/21/2022	WG184552	
Sodium, Total	10	mg/L	1570			.998	.998		10/20/2022	10/21/2022	WG184552	
Thallium, Total	10	mg/L	<.000749	U		.000749	.000749		10/20/2022	10/21/2022	WG184552	
Tin, Total	10	mg/L	.0152			.00499	.00499		10/20/2022	10/21/2022	WG184552	
Vanadium, Total	10	mg/L	.0713			.000749	.000749		10/20/2022	10/21/2022	WG184552	
Zinc, Total	10	mg/L	.206			.00499	.00499	5	10/20/2022	10/21/2022	WG184552	
Mercury, Total	2	mg/L	<.0001	U		.0001	.0001		10/20/2022	10/21/2022	WG184564	

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 11/03/2022
 Report Group: CHLS-P_110122

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: LEPS221025P	CollectDate: 10/25/2022
SDG/Lab Sample ID: 16985 / L80439-1	LoginDate: 10/25/2022
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.764		.0504	.0504		10/27/2022	10/28/2022	WG184650
Antimony, Total	10	mg/L	.0408		.00302	.00302		10/27/2022	10/28/2022	WG184650
Arsenic, Total	10	mg/L	.301		.000504	.000504	1	10/27/2022	10/28/2022	WG184650
Barium, Total	10	mg/L	.188		.00504	.00504		10/27/2022	10/28/2022	WG184650
Beryllium, Total	10	mg/L	<.00101	U	.00101	.00101		10/27/2022	10/28/2022	WG184650
Cadmium, Total	10	mg/L	<.000504	U	.000504	.000504	0.5	10/27/2022	10/28/2022	WG184650
Calcium, Total	10	mg/L	59.6		.504	.504		10/27/2022	10/28/2022	WG184650
Chromium, Total	10	mg/L	.179		.00202	.00202	2.75	10/27/2022	10/28/2022	WG184650
Cobalt, Total	10	mg/L	.0405		.000504	.000504		10/27/2022	10/28/2022	WG184650
Copper, Total	10	mg/L	.0081		.00202	.00202	3	10/27/2022	10/28/2022	WG184650
Iron, Total	10	mg/L	5.18		.101	.101		10/27/2022	10/28/2022	WG184650
Lead, Total	10	mg/L	.00216		.00101	.00101	2	10/27/2022	10/28/2022	WG184650
Magnesium, Total	10	mg/L	98.3		.504	.504		10/27/2022	10/28/2022	WG184650
Manganese, Total	10	mg/L	.756		.00101	.00101		10/27/2022	10/28/2022	WG184650
Nickel, Total	10	mg/L	.175		.00101	.00101	2.5	10/27/2022	10/28/2022	WG184650
Phosphorus, Total	10	mg/L	3.42		1.01	1.01		10/27/2022	10/28/2022	WG184650
Potassium, Total	10	mg/L	622		1.01	1.01		10/27/2022	10/28/2022	WG184650
Selenium, Total	10	mg/L	<.00504	U	.00504	.00504		10/27/2022	10/28/2022	WG184650
Silver, Total	10	mg/L	<.000403	U	.000403	.000403	1	10/27/2022	10/28/2022	WG184650
Sodium, Total	10	mg/L	1630		1.01	1.01		10/27/2022	10/28/2022	WG184650
Thallium, Total	10	mg/L	<.000756	U	.000756	.000756		10/27/2022	10/28/2022	WG184650
Tin, Total	10	mg/L	.0161		.00504	.00504		10/27/2022	10/28/2022	WG184650
Vanadium, Total	10	mg/L	.0709		.000756	.000756		10/27/2022	10/28/2022	WG184650
Zinc, Total	10	mg/L	.234		.00504	.00504	5	10/27/2022	10/28/2022	WG184650
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		10/28/2022	10/31/2022	WG184686

Target Parameter Count for SDG: 25

HYDROGEN SULFIDE GAS AT MANHOLE R10-52		
Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	10/05/2022 @ 1342
Sample Count	Interval Time (sec)	Bump Test Date
12873	60	10/05/2022 @1715
H2S Readings		
Date	Daily Max	Daily Average
10/5/2022	0.0	0.0
10/6/2022	0.0	0.0
10/7/2022	0.0	0.0
10/8/2022	0.0	0.0
10/9/2022	0.0	0.0
10/10/2022	0.0	0.0
10/11/2022	0.0	0.0
10/12/2022	0.0	0.0
10/13/2022	0.0	0.0



King County

Solid Waste Division

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 5701

Seattle, WA 98104-3855

206-477-4466

711 TTY Relay

www.kingcounty.gov/solidwaste

December 13, 2022

TO: Biniam Zelelow, Industrial Waste Compliance Investigator, Wastewater Treatment Division

FM: Nina Wester, Environmental Scientist III, Solid Waste Division (SWD)

RE: Wastewater Discharge Permit # 7842-03 - Cedar Hills – Self-Monitoring Report

The purpose of this memorandum is to enclose the Self-Monitoring Report (SMR) for Cedar Hills (Permit Number 7842-03) for the month of November 2022. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 11/2/22, 11/8/22, 11/15/22, and 11/22/22)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 11/2/22-11/10/22)
- Leachate Hauling Report (for November)

All results met permit-specified limits.

Please contact me directly if you have any questions. I can be reached at (206) 263-3224, or by e-mail at nina.wester@kingcounty.gov.

Enclosures

cc: Glynda Steiner, P.E., CCM, Deputy Division Director, Solid Waste Division (SWD)
Theresa Thurlow, P.E., Section Manager, SWD
Jennifer Keune, Interim Supervisor, SWD
Dan Swope, Engineer III, SWD
Natalya Usova, Engineer II, SWD



Industrial Waste Program Monthly Self-Monitoring Report

Page 1 of 2

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info@KIW@kingcounty.gov

Company Name: **King County SWD - Cedar Hills Landfill**

Sample Site No. **A90021**

Permit No.: **7842-03**

Please Specify Month & Year: **Month: November 2022**

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	pH	Arsenic, As		Cadmium, Cd		Chromium, Cr		Copper, Cu		Total Soluble Sulfides LIMIT - 0.1 mg/L	Daily Industrial Flow LIMIT 2,700,000 (GPD)	Notes (indicate Batch Discharge where applicable)
			LIMIT 1.0 (mg/L)	LOAD 0.27 (lbs/day)	LIMIT 0.5 (mg/L)	LOAD 0.17 (lbs/day)	LIMIT 2.75 (mg/L)	LOAD 1.20 (lbs/day)	LIMIT 3.0 (mg/L)	LOAD 6.89 (lbs/day)			
1													
2	C	8.57	0.219	0.1481	<0.0005	0.0002	0.146	0.0988	0.00657	0.0044	<0.1	628,600	
3												0	
4												814,700	
5												823,500	
6												908,900	
7												844,400	
8	C	8.42	0.144	0.0891	<0.0005	0.0002	0.0956	0.0592	0.00703	0.0044	<0.1	74,200	
9												80,700	
10												676,300	
11												254,300	
12												370,700	
13												389,700	
14												436,100	
15	C	8.30	0.133	0.0825	<0.0005	0.0002	0.0865	0.0537	0.00494	0.0031	<0.1	74,400	
16												724,000	
17												449,500	
18												361,100	
19												0	
20												74,400	
21												74,500	
22	C	8.38	0.15	0.1819	<0.0005	0.0003	0.0942	0.1142	0.00823	0.0100	<0.1	145,400	
23												1,069,800	
24												146,500	
25												394,200	
26												902,500	
27												917,400	
28												844,700	
29												279,500	
30												348,700	
31												N/A	

Monthly Min pH	8.30
Monthly Max pH	8.57

11/15/22	
11/2/22	

Total Monthly Flow (gallons)	13,189,800
Maximum Daily Flow	1,069,800

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

11/23/22

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

 Signature of Principal Executive or Authorized Agent
 Dec 13, 2022
 Date



Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info.KCIW@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

Please Specify Month & Year: Month: November 2022

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	Lead, Pb		Mercury, Hg		Nickel, Ni		Silver, Ag		Zinc, Zn		Notes (indicate Batch Discharge where applicable)
		LIMIT 2.0 (mg/L)	LOAD 1.2 (lbs/day)	LIMIT 0.1 (mg/L)	LOAD 0.06 (lbs/day)	LIMIT 2.5 (mg/L)	LOAD 2.49 (lbs/day)	LIMIT 1.0 (mg/L)	LOAD 0.44 (lbs/day)	LIMIT 5.0 (mg/L)	LOAD 12.31 (lbs/day)	
1												
2	C	0.00177	0.00120	<0.0001	0.00003	0.145	0.098	<0.0004	0.0001	0.202	0.137	
3												
4												
5												
6												
7												
8	C	0.00143	0.00088	<0.0001	0.00003	0.0985	0.061	<0.0004	0.0001	0.166	0.103	
9												
10												
11												
12												
13												
14												
15	C	<0.00105	0.00033	<0.0001	0.00003	0.0904	0.056	<0.0004	0.0001	0.135	0.084	
16												
17												
18												
19												
20												
21												
22	C	0.00145	0.00176	<0.0001	0.00006	0.09	0.109	<0.0004	0.0002	0.177	0.215	
23												
24												
25												
26												
27												
28												
29												
30												
31												

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

Signature of Principal Executive or Authorized Agent

Dec 13, 2022

Date

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.



King County

Industrial Waste Program Monthly Self-Monitoring Report

H2S Monitoring

Send to: King County Industrial Waste Program

201 S. Jackson Street, Suite 513

Seattle, WA 98104-3855

Phone 206-477-5300 / FAX 206-263-3001

Email: info.KCIW@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A9002

Permit No.: 7842-03

Please Specify Month & Year: Month: November 2022

This form is available at www.kingcounty.gov/industrialwaste.

All units are PPM unless otherwise noted.

Sample Date (circle)	H ₂ S - Air MAX	H ₂ S - Air Average	Active Discharge during MAX H ₂ S reading? (Y/N)
1			
2	0	0	Y
3	0	0	Y
4	0	0	Y
5	0	0	Y
6	0	0	Y
7	0	0	Y
8	0	0	Y
9	0	0	Y
10	0	0	Y
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			

Monthly MAX	0
Monthly AVG	0

11/2/22-11/10/22

Parameter	H ₂ S - Air		
Monitoring Period	11/2/22-11/10/22		
Limit Type	15-min average	8-hr average	7-day average
Limit	15.0 ppm	10.0 ppm	3.0 ppm
Max Value	0	0	N/A
Value	N/A	N/A	0

- Per KCIW guidance, the following values are reported for administrative purposes, only:
- H₂S - Air MAX
 - H₂S - Air Average
 - Monthly MAX
 - Monthly Average

Notes

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

 Signature of Principal Executive or Authorized Agent

Dec 13, 2022
 Date

Due Date: Monthly report is due by the 15th each month.

PLEASE CIRCLE ALL PERMIT VIOLATIONS

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 11/18/2022
 Report Group: CHLS-P_110922

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: LEPS221102P	CollectDate: 11/02/2022
SDG/Lab Sample ID: 17015 / L80468-1	LoginDate: 11/02/2022
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Constituent	D.F.	Unit	Metals			MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q							
Aluminum, Total	10	mg/L	.642			.0502	.0502		11/03/2022	11/07/2022	WG184797
Antimony, Total	10	mg/L	.0299			.00301	.00301		11/03/2022	11/07/2022	WG184797
Arsenic, Total	10	mg/L	.219			.000502	.000502	1	11/03/2022	11/07/2022	WG184797
Barium, Total	10	mg/L	.131			.00502	.00502		11/03/2022	11/07/2022	WG184797
Beryllium, Total	10	mg/L	<.001	U		.001	.001		11/03/2022	11/07/2022	WG184797
Cadmium, Total	10	mg/L	<.000502	U		.000502	.000502	0.5	11/03/2022	11/07/2022	WG184797
Calcium, Total	10	mg/L	67.8			.502	.502		11/03/2022	11/07/2022	WG184797
Chromium, Total	10	mg/L	.148			.00201	.00201	2.75	11/03/2022	11/07/2022	WG184797
Cobalt, Total	10	mg/L	.032			.000502	.000502		11/03/2022	11/07/2022	WG184797
Copper, Total	10	mg/L	.00857			.00201	.00201	3	11/03/2022	11/07/2022	WG184797
Iron, Total	10	mg/L	5.2			.1	.1		11/03/2022	11/07/2022	WG184797
Lead, Total	10	mg/L	.00177			.001	.001	2	11/03/2022	11/07/2022	WG184797
Magnesium, Total	10	mg/L	84.5			.502	.502		11/03/2022	11/07/2022	WG184797
Manganese, Total	10	mg/L	.855			.001	.001		11/03/2022	11/07/2022	WG184797
Nickel, Total	10	mg/L	.145			.001	.001	2.5	11/03/2022	11/07/2022	WG184797
Phosphorus, Total	10	mg/L	3.09			1	1		11/03/2022	11/07/2022	WG184797
Potassium, Total	10	mg/L	511			1	1		11/03/2022	11/07/2022	WG184797
Selenium, Total	10	mg/L	<.00502	U		.00502	.00502		11/03/2022	11/07/2022	WG184797
Silver, Total	10	mg/L	<.000402	U		.000402	.000402	1	11/03/2022	11/07/2022	WG184797
Sodium, Total	10	mg/L	1440			1	1		11/03/2022	11/07/2022	WG184797
Thallium, Total	10	mg/L	<.000753	U		.000753	.000753		11/03/2022	11/07/2022	WG184797
Tin, Total	10	mg/L	.0128			.00502	.00502		11/03/2022	11/07/2022	WG184797
Vanadium, Total	10	mg/L	.0593			.000753	.000753		11/03/2022	11/07/2022	WG184797
Zinc, Total	10	mg/L	.202			.00502	.00502	5	11/03/2022	11/07/2022	WG184797
Mercury, Total	2	mg/L	<.0001	U		.0001	.0001		11/04/2022	11/04/2022	WG184840

Client Sample ID: LEPS221108P
 SDG/Lab Sample ID: 17023 / L80492-1
 Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 11/08/2022
 LoginDate: 11/09/2022
 Matrix: LEACHATE

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.539		.0512	.0512		11/10/2022	11/15/2022	WG184955
Antimony, Total	10	mg/L	.0205		.00307	.00307		11/10/2022	11/15/2022	WG184955
Arsenic, Total	10	mg/L	.144		.000512	.000512	1	11/10/2022	11/15/2022	WG184955
Barium, Total	10	mg/L	.109		.00512	.00512		11/10/2022	11/15/2022	WG184955
Beryllium, Total	10	mg/L	<.00102	U	.00102	.00102		11/10/2022	11/15/2022	WG184955
Cadmium, Total	10	mg/L	<.000512	U	.000512	.000512	0.5	11/10/2022	11/15/2022	WG184955
Calcium, Total	10	mg/L	67.8		.512	.512		11/10/2022	11/15/2022	WG184955
Chromium, Total	10	mg/L	.0956		.00205	.00205	2.75	11/10/2022	11/15/2022	WG184955
Cobalt, Total	10	mg/L	.0229		.000512	.000512		11/10/2022	11/15/2022	WG184955
Copper, Total	10	mg/L	.00703		.00205	.00205	3	11/10/2022	11/15/2022	WG184955
Iron, Total	10	mg/L	4.02		.102	.102		11/10/2022	11/15/2022	WG184955
Lead, Total	10	mg/L	.00143		.00102	.00102	2	11/10/2022	11/15/2022	WG184955
Magnesium, Total	10	mg/L	56.8		.512	.512		11/10/2022	11/15/2022	WG184955
Manganese, Total	10	mg/L	.838		.00102	.00102		11/10/2022	11/15/2022	WG184955

Page 1 of 2

Client Sample ID: LEPS221108P
 SDG/Lab Sample ID: 17023 / L80492-1
 Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 11/08/2022
 LoginDate: 11/09/2022
 Matrix: LEACHATE

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Nickel, Total	10	mg/L	.0985		.00102	.00102	2.5	11/10/2022	11/15/2022	WG184955
Phosphorus, Total	10	mg/L	1.95		1.02	1.02		11/10/2022	11/15/2022	WG184955
Potassium, Total	10	mg/L	322		1.02	1.02		11/10/2022	11/15/2022	WG184955
Selenium, Total	10	mg/L	<.00512	U	.00512	.00512		11/10/2022	11/15/2022	WG184955
Silver, Total	10	mg/L	<.00041	U	.00041	.00041	1	11/10/2022	11/15/2022	WG184955
Sodium, Total	10	mg/L	863		1.02	1.02		11/10/2022	11/15/2022	WG184955
Thallium, Total	10	mg/L	<.000768	U	.000768	.000768		11/10/2022	11/15/2022	WG184955
Tin, Total	10	mg/L	.00884		.00512	.00512		11/10/2022	11/15/2022	WG184955
Vanadium, Total	10	mg/L	.0397		.000768	.000768		11/10/2022	11/15/2022	WG184955
Zinc, Total	10	mg/L	.166		.00512	.00512	5	11/10/2022	11/15/2022	WG184955
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		11/10/2022	11/14/2022	WG184972

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 11/23/2022
 Report Group: CHLS-P_112222

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS221115P**
 SDG/Lab Sample ID: **17102 / L80516-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **11/15/2022**
 LoginDate: **11/15/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.255		.0525	.0525		11/16/2022	11/17/2022	WG185039
Antimony, Total	10	mg/L	.0183		.00315	.00315		11/16/2022	11/17/2022	WG185039
Arsenic, Total	10	mg/L	.133		.000525	.000525	1	11/16/2022	11/17/2022	WG185039
Barium, Total	10	mg/L	.0833		.00525	.00525		11/16/2022	11/17/2022	WG185039
Beryllium, Total	10	mg/L	<.00105	U	.00105	.00105		11/16/2022	11/17/2022	WG185039
Cadmium, Total	10	mg/L	<.000525	U	.000525	.000525	0.5	11/16/2022	11/17/2022	WG185039
Calcium, Total	10	mg/L	61.6		.525	.525		11/16/2022	11/17/2022	WG185039
Chromium, Total	10	mg/L	.0865		.0021	.0021	2.75	11/16/2022	11/17/2022	WG185039
Cobalt, Total	10	mg/L	.0208		.000525	.000525		11/16/2022	11/17/2022	WG185039
Copper, Total	10	mg/L	.00494		.0021	.0021	3	11/16/2022	11/17/2022	WG185039
Iron, Total	10	mg/L	3.29		.105	.105		11/16/2022	11/17/2022	WG185039
Lead, Total	10	mg/L	<.00105	U	.00105	.00105	2	11/16/2022	11/17/2022	WG185039
Magnesium, Total	10	mg/L	55.9		.525	.525		11/16/2022	11/17/2022	WG185039
Manganese, Total	10	mg/L	.527		.00105	.00105		11/16/2022	11/17/2022	WG185039
Nickel, Total	10	mg/L	.0904		.00105	.00105	2.5	11/16/2022	11/17/2022	WG185039
Phosphorus, Total	10	mg/L	1.46		1.05	1.05		11/16/2022	11/17/2022	WG185039
Potassium, Total	10	mg/L	309		1.05	1.05		11/16/2022	11/17/2022	WG185039
Selenium, Total	10	mg/L	<.00525	U	.00525	.00525		11/16/2022	11/17/2022	WG185039
Silver, Total	10	mg/L	<.00042	U	.00042	.00042	1	11/16/2022	11/17/2022	WG185039
Sodium, Total	10	mg/L	788		1.05	1.05		11/16/2022	11/17/2022	WG185039
Thallium, Total	10	mg/L	<.000787	U	.000787	.000787		11/16/2022	11/17/2022	WG185039
Tin, Total	10	mg/L	.00757		.00525	.00525		11/16/2022	11/17/2022	WG185039
Vanadium, Total	10	mg/L	.0362		.000787	.000787		11/16/2022	11/17/2022	WG185039
Zinc, Total	10	mg/L	.135		.00525	.00525	5	11/16/2022	11/17/2022	WG185039
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		11/17/2022	11/18/2022	WG185091

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 12/02/2022
 Report Group: CHLS-P_113022

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS221122P**
 SDG/Lab Sample ID: **17035 / L80516-2**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **11/22/2022**
 LoginDate: **11/23/2022**
 Matrix: **LEACHATE**

Metals										
Constituent	D.F.	Unit	Results	Q	MDL	RDL	Reg Limit	Prep Date	Run Date	Run
Aluminum, Total	10	mg/L	.61		.0519	.0519		11/28/2022	11/29/2022	WG185196
Antimony, Total	10	mg/L	.0193		.00312	.00312		11/28/2022	11/29/2022	WG185196
Arsenic, Total	10	mg/L	.15		.000519	.000519	1	11/28/2022	11/29/2022	WG185196
Barium, Total	10	mg/L	.129		.00519	.00519		11/28/2022	11/29/2022	WG185196
Beryllium, Total	10	mg/L	<.00104	U	.00104	.00104		11/28/2022	11/29/2022	WG185196
Cadmium, Total	10	mg/L	<.000519	U	.000519	.000519	0.5	11/28/2022	11/29/2022	WG185196
Calcium, Total	10	mg/L	69.8		.519	.519		11/28/2022	11/29/2022	WG185196
Chromium, Total	10	mg/L	.0942		.00208	.00208	2.75	11/28/2022	11/29/2022	WG185196
Cobalt, Total	10	mg/L	.0214		.000519	.000519		11/28/2022	11/29/2022	WG185196
Copper, Total	10	mg/L	.00823		.00208	.00208	3	11/28/2022	11/29/2022	WG185196
Iron, Total	10	mg/L	3.73		.104	.104		11/28/2022	11/29/2022	WG185196
Lead, Total	10	mg/L	.00145		.00104	.00104	2	11/28/2022	11/29/2022	WG185196
Magnesium, Total	10	mg/L	58.6		.519	.519		11/28/2022	11/29/2022	WG185196
Manganese, Total	10	mg/L	.759		.00104	.00104		11/28/2022	11/29/2022	WG185196
Nickel, Total	10	mg/L	.09		.00104	.00104	2.5	11/28/2022	11/29/2022	WG185196
Phosphorus, Total	10	mg/L	2.59		1.04	1.04		11/28/2022	11/29/2022	WG185196
Potassium, Total	10	mg/L	330		1.04	1.04		11/28/2022	11/29/2022	WG185196
Selenium, Total	10	mg/L	<.00519	U	.00519	.00519		11/28/2022	11/29/2022	WG185196
Silver, Total	10	mg/L	<.000416	U	.000416	.000416	1	11/28/2022	11/29/2022	WG185196
Sodium, Total	10	mg/L	817		1.04	1.04		11/28/2022	11/29/2022	WG185196
Thallium, Total	10	mg/L	<.000779	U	.000779	.000779		11/28/2022	11/29/2022	WG185196
Tin, Total	10	mg/L	.00891		.00519	.00519		11/28/2022	11/29/2022	WG185196
Vanadium, Total	10	mg/L	.0391		.000779	.000779		11/28/2022	11/29/2022	WG185196
Zinc, Total	10	mg/L	.177		.00519	.00519	5	11/28/2022	11/29/2022	WG185196
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		11/28/2022	11/29/2022	WG185225

Client Sample ID: **LEPS221122D**
 SDG/Lab Sample ID: **17035 / L80516-3**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **11/22/2022**
 LoginDate: **11/23/2022**
 Matrix: **LEACHATE**

Metals										
Constituent	D.F.	Unit	Results	Q	MDL	RDL	Reg Limit	Prep Date	Run Date	Run
Aluminum, Total	10	mg/L	.585		.0521	.0521		11/28/2022	11/29/2022	WG185196
Antimony, Total	10	mg/L	.0192		.00313	.00313		11/28/2022	11/29/2022	WG185196
Arsenic, Total	10	mg/L	.15		.000521	.000521	1	11/28/2022	11/29/2022	WG185196
Barium, Total	10	mg/L	.132		.00521	.00521		11/28/2022	11/29/2022	WG185196
Beryllium, Total	10	mg/L	<.00104	U	.00104	.00104		11/28/2022	11/29/2022	WG185196
Cadmium, Total	10	mg/L	<.000521	U	.000521	.000521	0.5	11/28/2022	11/29/2022	WG185196
Calcium, Total	10	mg/L	70.4		.521	.521		11/28/2022	11/29/2022	WG185196
Chromium, Total	10	mg/L	.0956		.00209	.00209	2.75	11/28/2022	11/29/2022	WG185196
Cobalt, Total	10	mg/L	.0211		.000521	.000521		11/28/2022	11/29/2022	WG185196
Copper, Total	10	mg/L	.00806		.00209	.00209	3	11/28/2022	11/29/2022	WG185196
Iron, Total	10	mg/L	3.67		.104	.104		11/28/2022	11/29/2022	WG185196
Lead, Total	10	mg/L	.00145		.00104	.00104	2	11/28/2022	11/29/2022	WG185196
Magnesium, Total	10	mg/L	58.1		.521	.521		11/28/2022	11/29/2022	WG185196
Manganese, Total	10	mg/L	.755		.00104	.00104		11/28/2022	11/29/2022	WG185196

HYDROGEN SULFIDE GAS AT MANHOLE R10-52		
Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	10/05/2022 @ 1342
Sample Count	Interval Time (sec)	Bump Test Date
11435	60	10/26/2022 @0902
H2S Readings		
Date	Daily Max	Daily Average
11/2/2022	0.0	0.0
11/3/2022	0.0	0.0
11/4/2022	0.0	0.0
11/5/2022	0.0	0.0
11/6/2022	0.0	0.0
11/7/2022	0.0	0.0
11/8/2022	0.0	0.0
11/9/2022	0.0	0.0
11/10/2022	0.0	0.0

**King County****Solid Waste Division**

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 5701

Seattle, WA 98104-3855

206-477-4466

711 TTY Relay

www.kingcounty.gov/solidwaste

January 13, 2023

TO: Biniam Zelelow, Industrial Waste Compliance Investigator, Wastewater Treatment Division

FM: Nina Wester, Environmental Scientist III, Solid Waste Division (SWD)

RE: Wastewater Discharge Permit # 7842-03 - Cedar Hills – Self-Monitoring Report

The purpose of this memorandum is to enclose the Self-Monitoring Report (SMR) for Cedar Hills (Permit Number 7842-03) for the month of December 2022. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 12/1/22, 12/7/22, 12/13/22, 12/20/22, and 12/30/22)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 12/2/22-12/9/22)
- Leachate Hauling Report (for December)

The following exceedances occurred during the month of December:

Parameter	Date of Exceedance	Aware Date	Notification Date and Time
Arsenic Loading	12/1/22	12/20/22	12/20/22 @ 16:02
Arsenic Loading	12/7/22	12/20/22	12/21/22 @ 15:56
Arsenic Loading	12/13/22	12/27/22	12/28/22 @ 11:28
Arsenic Loading	12/30/22	1/12/23	1/12/23 @ 15:49

All other results met permit-specified limits.

Per KCIW guidance, details regarding December's arsenic loading exceedances are included in the appended 14-day report.

Please contact me directly if you have any questions. I can be reached at (206) 263-3224, or by e-mail at nina.wester@kingcounty.gov.

Enclosures

cc: Glynda Steiner, P.E., CCM, Deputy Division Director, Solid Waste Division (SWD)
Theresa Thurlow, P.E., Section Manager, SWD

Biniam Zelelow

May 13, 2021

Page 2

Jennifer Keune, Interim Supervisor, SWD
Dan Swope, Engineer III, SWD
Natalya Usova, Engineer II, SWD



King County

Industrial Waste Program Monthly Self-Monitoring Report

Page 1 of 2

Send to: King County Industrial Waste Program
201 S. Jackson Street, Suite 513
Seattle, WA 98104-3855
Phone 206-477-5300 / FAX 206-263-3001
Email: info@KIW@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

Please Specify Month & Year: Month: December 2022

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	pH	Arsenic, As		Cadmium, Cd		Chromium, Cr		Copper, Cu		Total Soluble Sulfides LIMIT - 0.1 mg/L	Daily Industrial Flow LIMIT 2,700,000 (GPD)	Notes (indicate Batch Discharge where applicable)
			LIMIT 1.0 (mg/L)	LOAD 0.27 (lbs/day)	LIMIT 0.5 (mg/L)	LOAD 0.17 (lbs/day)	LIMIT 2.75 (mg/L)	LOAD 1.20 (lbs/day)	LIMIT 3.0 (mg/L)	LOAD 6.89 (lbs/day)			
1	C	8.45	0.0863	0.5402	<0.0005	0.0016	0.0613	0.3837	0.00886	0.0555	<0.1	750,600	
2												1,386,500	
3												1,084,100	
4												865,000	
5												431,700	
6												882,000	
7	C	8.54	0.0726	0.5340	<0.0005	0.0018	0.0478	0.3516	0.00759	0.0558	<0.1	882,000	
8												0	
9												691,000	
10												680,700	
11												702,600	
12												691,400	
13	C	8.46	0.0616	0.3537	<0.0005	0.0014	0.0427	0.2452	0.00728	0.0418	<0.1	688,500	
14												681,800	
15												679,500	
16												174,400	
17												171,900	
18												169,400	
19												188,200	
20	C	8.48	0.074	0.1082	<0.0005	0.0004	0.0512	0.0749	0.0109	0.0159	<0.1	175,300	
21												927,800	
22												676,800	
23												0	
24												1,833,600	
25												605,100	
26												1,797,000	
27												766,300	
28												591,100	
29												582,000	
30	C	8.17	0.051	0.2727	<0.0005	0.0013	0.0401	0.2144	0.00847	0.0453	<0.1	641,100	
31												1,450,800	

Monthly Min pH	8.17
Monthly Max pH	8.54

12/30/22
12/7/22

Total Monthly Flow (gallons)	21,848,200
Maximum Daily Flow	1,833,600

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

Signature of Principal Executive or Authorized Agent

Jan 13, 2023

Date

Signature of Principal Executive or Authorized Agent



Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program
 201 S. Jackson Street, Suite 513
 Seattle, WA 98104-3855
 Phone 206-477-5300 / FAX 206-263-3001
 Email: info.KCIW@kingcounty.gov

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

Please Specify Month & Year: Month: December 2022

This form is available at www.kingcounty.gov/industrialwaste.

* Sample Types (C) Composite (G) Grab (BC) Batch All units are mg/l unless otherwise noted. **LOADING units are Pounds per day (lbs./day)**

Sample Date (circle)	Sample Type*	Lead, Pb		Mercury, Hg		Nickel, Ni		Silver, Ag		Zinc, Zn		Notes (indicate Batch Discharge where applicable)
		LIMIT 2.0 (mg/L)	LOAD 1.2 (lbs/day)	LIMIT 0.1 (mg/L)	LOAD 0.06 (lbs/day)	LIMIT 2.5 (mg/L)	LOAD 2.49 (lbs/day)	LIMIT 1.0 (mg/L)	LOAD 0.44 (lbs/day)	LIMIT 5.0 (mg/L)	LOAD 12.31 (lbs/day)	
1	C	0.00124	0.00776	<0.0001	0.00031	0.0617	0.386	<0.0004	0.0013	0.144	0.901	
2												
3												
4												
5												
6												
7	C	0.00105	0.00772	<0.0001	0.00037	0.0493	0.363	<0.0004	0.0015	0.124	0.912	
8												
9												
10												
11												
12												
13	C	<0.000999	0.00287	<0.0001	0.00029	0.0432	0.248	<0.0004	0.0011	0.112	0.643	
14												
15												
16												
17												
18												
19												
20	C	<0.00101	0.00074	<0.0001	0.00007	0.05	0.073	<0.0004	0.0003	0.118	0.173	
21												
22												
23												
24												
25												
26												
27												
28												
29												
30	C	<0.0001	0.00267	<0.0001	0.00027	0.0446	0.238	<0.0004	0.0011	0.141	0.754	
31												

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Due Date: Monthly report is due by the 15th each month.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

Signed by:

Jan 13, 2023
Date

Signature of Principal Executive or Authorized Agent



King County

Industrial Waste Program Monthly Self-Monitoring Report

Send to: King County Industrial Waste Program

201 S. Jackson Street, Suite 513

Seattle, WA 98104-3855

Phone 206-477-5300 / FAX 206-263-3001

Email: info.kciw@kingcounty.gov

H2S Monitoring

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A9002

Permit No.: 7842-03

Please Specify Month & Year: Month: December 2022

This form is available at www.kingcounty.gov/industrialwaste.

All units are PPM unless otherwise noted.

Sample Date (circle)	H ₂ S - Air MAX	H ₂ S - Air Average	Active Discharge during MAX H ₂ S reading? (Y/N)
1			
2	0	0	Y
3	0	0	Y
4	0	0	Y
5	0	0	Y
6	0	0	Y
7	0	0	Y
8	0	0	Y
9	0	0	Y
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
Monthly MAX	0		
Monthly AVG	0		

12/2/22-12/9/22

Parameter	H ₂ S - Air
Monitoring Period	12/2/22-12/9/22
Limit Type	15-min average
Limit	15.0 ppm
Max Value	0
Value	N/A

- Per KCIW guidance, the following values are reported for administrative purposes, only:
- H₂S - Air MAX
 - H₂S - Air Average
 - Monthly MAX
 - Monthly Average

Notes

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

DocuSigned by:

Signature of Principal Executive or Authorized Agent

Jan 13, 2023

Date

Due Date: Monthly report is due by the 15th each month.

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Client Sample ID: **LEPS221201P**
 SDG/Lab Sample ID: **17125 / L80516-4**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **12/01/2022**
 LoginDate: **12/02/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.824		.0502	.0502		12/02/2022	12/05/2022	WG185310
Antimony, Total	10	mg/L	.0123		.00301	.00301		12/02/2022	12/05/2022	WG185310
Arsenic, Total	10	mg/L	.0863		.000502	.000502	1	12/02/2022	12/05/2022	WG185310
Barium, Total	10	mg/L	.097		.00502	.00502		12/02/2022	12/05/2022	WG185310
Beryllium, Total	10	mg/L	<.001	U	.001	.001		12/02/2022	12/05/2022	WG185310
Cadmium, Total	10	mg/L	<.000502	U	.000502	.000502	0.5	12/02/2022	12/05/2022	WG185310
Calcium, Total	10	mg/L	74.8		.502	.502		12/02/2022	12/05/2022	WG185310
Chromium, Total	10	mg/L	.0613		.00201	.00201	2.75	12/02/2022	12/05/2022	WG185310
Cobalt, Total	10	mg/L	.0137		.000502	.000502		12/02/2022	12/05/2022	WG185310
Copper, Total	10	mg/L	.00886		.00201	.00201	3	12/02/2022	12/05/2022	WG185310
Iron, Total	10	mg/L	4.84		.1	.1		12/02/2022	12/05/2022	WG185310
Lead, Total	10	mg/L	.00124		.001	.001	2	12/02/2022	12/05/2022	WG185310
Magnesium, Total	10	mg/L	42.7		.502	.502		12/02/2022	12/05/2022	WG185310
Manganese, Total	10	mg/L	.86		.001	.001		12/02/2022	12/05/2022	WG185310

Page 1 of 2

Client Sample ID: **LEPS221201P**
 SDG/Lab Sample ID: **17125 / L80516-4**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **12/01/2022**
 LoginDate: **12/02/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Nickel, Total	10	mg/L	.0617		.001	.001	2.5	12/02/2022	12/05/2022	WG185310
Phosphorus, Total	10	mg/L	2.62		1	1		12/02/2022	12/05/2022	WG185310
Potassium, Total	10	mg/L	209		1	1		12/02/2022	12/05/2022	WG185310
Selenium, Total	10	mg/L	<.00502	U	.00502	.00502		12/02/2022	12/05/2022	WG185310
Silver, Total	10	mg/L	<.000402	U	.000402	.000402	1	12/02/2022	12/05/2022	WG185310
Sodium, Total	10	mg/L	563		1	1		12/02/2022	12/05/2022	WG185310
Thallium, Total	10	mg/L	<.000753	U	.000753	.000753		12/02/2022	12/05/2022	WG185310
Tin, Total	10	mg/L	.00614		.00502	.00502		12/02/2022	12/05/2022	WG185310
Vanadium, Total	10	mg/L	.0242		.000753	.000753		12/02/2022	12/05/2022	WG185310
Zinc, Total	10	mg/L	.144		.00502	.00502	5	12/02/2022	12/05/2022	WG185310
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		12/05/2022	12/06/2022	WG185351

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 12/20/2022
 Report Group: CHLS-P_120822

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: LEPS221207P	CollectDate: 12/07/2022
SDG/Lab Sample ID: 17085 / L80516-5	LoginDate: 12/07/2022
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Constituent	D.F.	Unit	Metals			MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q							
Aluminum, Total	10	mg/L	.469			.05	.05		12/08/2022	12/09/2022	WG185383
Antimony, Total	10	mg/L	.00927			.003	.003		12/08/2022	12/09/2022	WG185383
Arsenic, Total	10	mg/L	.0726			.0005	.0005	1	12/08/2022	12/09/2022	WG185383
Barium, Total	10	mg/L	.0854			.005	.005		12/08/2022	12/09/2022	WG185383
Beryllium, Total	10	mg/L	<.001	U		.001	.001		12/08/2022	12/09/2022	WG185383
Cadmium, Total	10	mg/L	<.0005	U		.0005	.0005	0.5	12/08/2022	12/09/2022	WG185383
Calcium, Total	10	mg/L	70.1			.5	.5		12/08/2022	12/09/2022	WG185383
Chromium, Total	10	mg/L	.0478			.002	.002	2.75	12/08/2022	12/09/2022	WG185383
Cobalt, Total	10	mg/L	.0115			.0005	.0005		12/08/2022	12/09/2022	WG185383
Copper, Total	10	mg/L	.00759			.002	.002	3	12/08/2022	12/09/2022	WG185383
Iron, Total	10	mg/L	3.03			.1	.1		12/08/2022	12/09/2022	WG185383
Lead, Total	10	mg/L	.00105			.001	.001	2	12/08/2022	12/09/2022	WG185383
Magnesium, Total	10	mg/L	36.7			.5	.5		12/08/2022	12/09/2022	WG185383
Manganese, Total	10	mg/L	.712			.001	.001		12/08/2022	12/09/2022	WG185383
Nickel, Total	10	mg/L	.0493			.001	.001	2.5	12/08/2022	12/09/2022	WG185383
Phosphorus, Total	10	mg/L	1.24			1	1		12/08/2022	12/09/2022	WG185383
Potassium, Total	10	mg/L	171			1	1		12/08/2022	12/09/2022	WG185383
Selenium, Total	10	mg/L	<.005	U		.005	.005		12/08/2022	12/09/2022	WG185383
Silver, Total	10	mg/L	<.0004	U		.0004	.0004	1	12/08/2022	12/09/2022	WG185383
Sodium, Total	10	mg/L	453			1	1		12/08/2022	12/09/2022	WG185383
Thallium, Total	10	mg/L	<.00075	U		.00075	.00075		12/08/2022	12/09/2022	WG185383
Tin, Total	10	mg/L	<.005	U		.005	.005		12/08/2022	12/09/2022	WG185383
Vanadium, Total	10	mg/L	.019			.00075	.00075		12/08/2022	12/09/2022	WG185383
Zinc, Total	10	mg/L	.124			.005	.005	5	12/08/2022	12/09/2022	WG185383
Mercury, Total	2	mg/L	<.0001	U		.0001	.0001		12/08/2022	12/09/2022	WG185409

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 12/23/2022
 Report Group: CHLS-P_122022

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS221213P**
 SDG/Lab Sample ID: **17087 / L80721-1**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **12/13/2022**
 LoginDate: **12/14/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.602		.05	.05		12/19/2022	12/19/2022	WG185504
Antimony, Total	10	mg/L	.00769		.003	.003		12/19/2022	12/19/2022	WG185504
Arsenic, Total	10	mg/L	.0616		.0005	.0005	1	12/19/2022	12/19/2022	WG185504
Barium, Total	10	mg/L	.0774		.005	.005		12/19/2022	12/19/2022	WG185504
Beryllium, Total	10	mg/L	<.000999	U	.000999	.000999		12/19/2022	12/19/2022	WG185504
Cadmium, Total	10	mg/L	<.0005	U	.0005	.0005	0.5	12/19/2022	12/19/2022	WG185504
Calcium, Total	10	mg/L	71.6		.5	.5		12/19/2022	12/19/2022	WG185504
Chromium, Total	10	mg/L	.0427		.002	.002	2.75	12/19/2022	12/19/2022	WG185504
Cobalt, Total	10	mg/L	.0101		.0005	.0005		12/19/2022	12/19/2022	WG185504
Copper, Total	10	mg/L	.00728		.002	.002	3	12/19/2022	12/19/2022	WG185504
Iron, Total	10	mg/L	3.26		.0999	.0999		12/19/2022	12/19/2022	WG185504
Lead, Total	10	mg/L	<.000999	U	.000999	.000999	2	12/19/2022	12/19/2022	WG185504
Magnesium, Total	10	mg/L	32.3		.5	.5		12/19/2022	12/19/2022	WG185504
Manganese, Total	10	mg/L	.668		.000999	.000999		12/19/2022	12/19/2022	WG185504
Nickel, Total	10	mg/L	.0432		.000999	.000999	2.5	12/19/2022	12/19/2022	WG185504
Phosphorus, Total	10	mg/L	1.53		.999	.999		12/19/2022	12/19/2022	WG185504
Potassium, Total	10	mg/L	152		.999	.999		12/19/2022	12/19/2022	WG185504
Selenium, Total	10	mg/L	<.005	U	.005	.005		12/19/2022	12/19/2022	WG185504
Silver, Total	10	mg/L	<.0004	U	.0004	.0004	1	12/19/2022	12/19/2022	WG185504
Sodium, Total	10	mg/L	395		.999	.999		12/19/2022	12/19/2022	WG185504
Thallium, Total	10	mg/L	<.000749	U	.000749	.000749		12/19/2022	12/19/2022	WG185504
Tin, Total	10	mg/L	<.005	U	.005	.005		12/19/2022	12/19/2022	WG185504
Vanadium, Total	10	mg/L	.016		.000749	.000749		12/19/2022	12/19/2022	WG185504
Zinc, Total	10	mg/L	.112		.005	.005	5	12/19/2022	12/19/2022	WG185504
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		12/16/2022	12/19/2022	WG18551

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 12/29/2022
 Report Group: CHLS-P_122722

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS221220P**
 SDG/Lab Sample ID: **17091 / L80721-2**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

CollectDate: **12/20/2022**
 LoginDate: **12/20/2022**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Metals				Reg Limit	Prep Date	Run Date	Run
			Results	Q	MDL	RDL				
Aluminum, Total	10	mg/L	.61		.0504	.0504		12/27/2022	12/28/2022	WG185599
Antimony, Total	10	mg/L	.00949		.00303	.00303		12/27/2022	12/28/2022	WG185599
Arsenic, Total	10	mg/L	.074		.000504	.000504	1	12/27/2022	12/28/2022	WG185599
Barium, Total	10	mg/L	.0831		.00504	.00504		12/27/2022	12/28/2022	WG185599
Beryllium, Total	10	mg/L	<.00101	U	.00101	.00101		12/27/2022	12/28/2022	WG185599
Cadmium, Total	10	mg/L	<.000504	U	.000504	.000504	0.5	12/27/2022	12/28/2022	WG185599
Calcium, Total	10	mg/L	68.7		.504	.504		12/27/2022	12/28/2022	WG185599
Chromium, Total	10	mg/L	.0512		.00202	.00202	2.75	12/27/2022	12/28/2022	WG185599
Cobalt, Total	10	mg/L	.0122		.000504	.000504		12/27/2022	12/28/2022	WG185599
Copper, Total	10	mg/L	.0109		.00202	.00202	3	12/27/2022	12/28/2022	WG185599
Iron, Total	10	mg/L	3.29		.101	.101		12/27/2022	12/28/2022	WG185599
Lead, Total	10	mg/L	<.00101	U	.00101	.00101	2	12/27/2022	12/28/2022	WG185599
Magnesium, Total	10	mg/L	37.3		.504	.504		12/27/2022	12/28/2022	WG185599
Manganese, Total	10	mg/L	.614		.00101	.00101		12/27/2022	12/28/2022	WG185599
Nickel, Total	10	mg/L	.05		.00101	.00101	2.5	12/27/2022	12/28/2022	WG185599
Phosphorus, Total	10	mg/L	2.06		1.01	1.01		12/27/2022	12/28/2022	WG185599
Potassium, Total	10	mg/L	171		1.01	1.01		12/27/2022	12/28/2022	WG185599
Selenium, Total	10	mg/L	<.00504	U	.00504	.00504		12/27/2022	12/28/2022	WG185599
Silver, Total	10	mg/L	<.000404	U	.000404	.000404	1	12/27/2022	12/28/2022	WG185599
Sodium, Total	10	mg/L	466		1.01	1.01		12/27/2022	12/28/2022	WG185599
Thallium, Total	10	mg/L	<.000757	U	.000757	.000757		12/27/2022	12/28/2022	WG185599
Tin, Total	10	mg/L	.00545		.00504	.00504		12/27/2022	12/28/2022	WG185599
Vanadium, Total	10	mg/L	.019		.000757	.000757		12/27/2022	12/28/2022	WG185599
Zinc, Total	10	mg/L	.118		.00504	.00504	5	12/27/2022	12/28/2022	WG185599
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		12/22/2022	12/22/2022	WG185610

Target Parameter Count for SDG: 25

King County Environmental Laboratory

Client: King County Division of Solid Waste
 Date Reported: 01/11/2023
 Report Group: CHLS-P_011123

Report To: Natalya Usova
 201 S Jackson St, Suite 701
 Seattle, WA 98104-3855

Client Sample ID: **LEPS221230P**
 CoC / Lab Sample ID: **17048 / L80721-3**
 Project Name: **SWD-CHLS-P Cedar Hills Leachate Permit**

Collect Date: **12/30/2022**
 Login Date: **01/04/2023**
 Matrix: **LEACHATE**

Constituent	D.F.	Unit	Results	Q	Metals		Reg Limit	Prep Date	Run Date	Run
					MDL	RDL				
Aluminum, Total	10	mg/L	.638		.0501	.0501		01/06/2023	01/09/2023	WG185804
Antimony, Total	10	mg/L	.00731		.00301	.00301		01/06/2023	01/09/2023	WG185804
Arsenic, Total	10	mg/L	.051		.000501	.000501	1	01/06/2023	01/09/2023	WG185804
Barium, Total	10	mg/L	.0866		.00501	.00501		01/06/2023	01/09/2023	WG185804
Beryllium, Total	10	mg/L	<.001	U	.001	.001		01/06/2023	01/09/2023	WG185804
Cadmium, Total	10	mg/L	<.000501	U	.000501	.000501	0.5	01/06/2023	01/09/2023	WG185804
Calcium, Total	10	mg/L	98.2		.501	.501		01/06/2023	01/09/2023	WG185804
Chromium, Total	10	mg/L	.0401		.002	.002	2.75	01/06/2023	01/09/2023	WG185804
Cobalt, Total	10	mg/L	.00976		.000501	.000501		01/06/2023	01/09/2023	WG185804
Copper, Total	10	mg/L	.00847		.002	.002	3	01/06/2023	01/09/2023	WG185804
Iron, Total	10	mg/L	5.06		.1	.1		01/06/2023	01/09/2023	WG185804
Lead, Total	10	mg/L	<.001	U	.001	.001	2	01/06/2023	01/09/2023	WG185804
Magnesium, Total	10	mg/L	31.3		.501	.501		01/06/2023	01/09/2023	WG185804
Manganese, Total	10	mg/L	1.03		.001	.001		01/06/2023	01/09/2023	WG185804
Nickel, Total	10	mg/L	.0446		.001	.001	2.5	01/06/2023	01/09/2023	WG185804
Phosphorus, Total	10	mg/L	1.42		1	1		01/06/2023	01/09/2023	WG185804
Potassium, Total	10	mg/L	129		1	1		01/06/2023	01/09/2023	WG185804
Selenium, Total	10	mg/L	<.00501	U	.00501	.00501		01/06/2023	01/09/2023	WG185804
Silver, Total	10	mg/L	<.000401	U	.000401	.000401	1	01/06/2023	01/09/2023	WG185804
Sodium, Total	10	mg/L	360		1	1		01/06/2023	01/09/2023	WG185804
Thallium, Total	10	mg/L	<.000752	U	.000752	.000752		01/06/2023	01/09/2023	WG185804
Tin, Total	10	mg/L	<.00501	U	.00501	.00501		01/06/2023	01/09/2023	WG185804
Vanadium, Total	10	mg/L	.0156		.000752	.000752		01/06/2023	01/09/2023	WG185804
Zinc, Total	10	mg/L	.141		.00501	.00501	5	01/06/2023	01/09/2023	WG185804
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		01/09/2023	01/10/2023	WG185849

HYDROGEN SULFIDE GAS AT MANHOLE R10-52		
Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	10/05/2022 @ 1342
Sample Count	Interval Time (sec)	Bump Test Date
10241	60	12/2/2022 @ 0909
H2S Readings		
Date	Daily Max	Daily Average
12/2/2022	0.0	0.0
12/3/2022	0.0	0.0
12/4/2022	0.0	0.0
12/5/2022	0.0	0.0
12/6/2022	0.0	0.0
12/7/2022	0.0	0.0
12/8/2022	0.0	0.0
12/9/2022	0.0	0.0

KING COUNTY SOLID WASTE DIVISION
LEACHATE HAULING REPORT
TANKER LOADS

MONTH: DECEMBER
 YEAR: 2022

DATE	DUVALL				VASHON				HOBART		OTHER		REMARKS	
	BRIGHT		C.H.		SPOK.		C.H.		C.H.		C.H.			
LOAD	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000		
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16								1		1				
17														
18														
19			2											
20														
21														
22														
23														
24														
25														
26														
27	3		1											
28	3													
29														
30														
31														
TOTAL	36000	14000	6000	0	0	0	0	7000	0	7000	0	0	0	0