

**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 701

Seattle, WA 98104-3855

206-296-6542 Fax 206-296-0197

TTY Relay: 711

February 14, 2020

TO: Greg Newborn, Industrial Waste Compliance, Wastewater Treatment Division

FM: Colleen Christensen, Engineer III, Solid Waste Division **NW For CC**

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

The purpose of the memorandum is to enclose the Self-Monitoring Report for Cedar Hills (Permit Number 7842-03) for the month of January 2020. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 1/2/20, 1/7/20, 1/17/20, 1/23/20 and 1/28/20)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 1/7/20-1/14/20)
- Leachate Hauling Report (for January)

There was an arsenic loading exceedance five times at monitoring location A90021 during the month of January 2020 (1/2, 1/7, 1/17, 1/23 and 1/28). KCIW was notified of these exceedances on 1/14, 1/22, 2/3, 2/4 and 2/7. Details of these exceedances are provided in three 14 day reports, two of which were submitted by their deadlines on 1/22 and 2/5; the third 14 day report is due by 2/20 and will be submitted by that deadline.

Please contact me directly if you have any questions. I can be reached at (206) 263-1020, on my cell phone at (206) 512-7100, or by e-mail at [colleen.christensen@kingcounty.gov](mailto:colleen.christensen@kingcounty.gov).

### Enclosures

cc: Glynda Steiner, Deputy Division Director, Solid Waste Division (SWD)  
Neil Fujii, Facilities Engineering and Science Section Manager, SWD  
Anne Holmes, Supervising Engineer, SWD  
Joan Kenton, Environmental Compliance Coordinator, SWD  
Dan Swope, Engineer III, SWD  
Toraj Ghofrani, Engineer III, SWD  
Sandy Jimenez, Engineer II, SWD  
Nina Wester, Environmental Scientist II, SWD



# Industrial Waste Program Monthly Self-Monitoring Report

Page 1 of 2

King County

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

Permit No.: 7842-03

Sample Site No. A90021

Company Name: King County SWD - Cedar Hills Landfill

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

Please Specify Month & Year: Month: January 2020

\* 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												691,400	
2	C	7.55	0.0715	0.6213	<0.0005	0.0022	0.0544	0.4727	0.0107	0.0930	<0.1 ppm	1,041,900	
3												1,112,300	
4												1,120,400	
5												230,000	
6												888,700	
7	C	8.24	0.067	1.2123	<0.0005	0.0045	0.0477	0.8631	0.0082	0.1484	<0.1 ppm	2,169,600	
8												1,011,100	
9												984,500	
10												1,047,700	
11												1,036,300	
12												1,025,200	
13												1,871,800	
14												2,154,700	
15												2,052,300	
16												1,721,300	
17	C	7.19	0.0544	0.5289	<0.0005	0.0024	0.04	0.3889	0.0064	0.0622	<0.1 ppm	1,165,800	
18												1,019,200	
19												984,100	
20												767,300	
21												1,037,500	
22												1,012,300	
23	C	6.89	0.0521	0.4396	<0.0005	0.0021	0.0382	0.3223	0.00795	0.0671	<0.1 ppm	1,011,600	
24												1,003,400	
25												1,007,700	
26												1,063,300	
27												1,940,000	
28	C	7.09	0.0474	0.9045	<0.0005	0.0048	0.0366	0.6995	0.00604	0.1154	<0.1 ppm	2,288,100	
29												2,287,400	
30												2,317,700	
31												2,144,900	

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  
Date 2/13/2020



Monthly Min pH	6.89	1/23/2020	Total Monthly Flow (gallons)	41,209,500
Monthly Max pH	8.24	1/7/2020	Maximum Daily Flow	2,317,700

PLEASE CIRCLE ALL PERMIT VIOLATIONS  
**King County**  
**Industrial Waste Program Monthly Self-Monitoring Report**  
**Due Date:** Monthly report is due by the 15th each month.  
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  
1/30/2020

Company Name:	King County SWD - Cedar Hills Landfill	Sample Site No.	A90021	Permit No.:	7842-03
Please Specify Month & Year: Month: January 2020					

\*Sample Types (C) Composite (G) Grab (BG) 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	LOAD	LIMIT	LOAD	LIMIT	LOAD	LIMIT	LOAD	LIMIT	LOAD	
1												
2	C	0.00192	0.001668	<0.0001	0.00004	0.0502	0.4361	<0.0004	0.00017	0.208	12.31	
3												
4												
5												
6												
7	C	0.00141	0.002551	<0.0001	0.00099	0.0455	0.823	<0.0004	0.00036	0.103	1.864	
8												
9												
10												
11												
12												
13												
14												
15												
16												
17	C	<0.00102	0.00486	<0.0001	0.00005	0.0375	0.365	<0.0004	0.00019	0.0491	0.477	
18												
19												
20												
21												
22												
23	C	0.00119	0.01004	<0.0001	0.0004	0.0368	0.5101	<0.0004	0.00017	0.0476	0.402	
24												
25												
26												
27												
28	C	<0.00102	0.00956	<0.0001	0.000096	0.0353	0.675	<0.0004	0.00038	0.0535	1.022	
29												
30												

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: 2/13/2020



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

Permit No.: **7842-03**Sample Site No. **A9002**Company Name: **King County SWD - Cedar Hills Landfill**Please Specify Month & Year: Month: **January** Year: **2020**This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

All units are PPM unless otherwise noted.

Sample Date (circle)	H <sub>2</sub> S - Air MAX	H <sub>2</sub> S - Air Average	Active Discharge during MAX H <sub>2</sub> S reading? (Y/N)
1			
2			
3			
4			
5			
6			
7	0.0	0.000	Y
8	2.5	0.039	N
9	9.0	1.117	N
10	0.0	0.000	Y
11	0.0	0.000	Y
12	0.0	0.000	Y
13	1.0	0.015	Y
14	0.0	0.000	Y
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

**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.

Signature of Principal Executive or Authorized Agent  
Date

*[Signature]*  
2/13/2020

26					
27					
28					
29					
30					
31					
Monthly MAX	9			1/9/2020	
Monthly AVG	0.130				

**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: 01/10/2020  
Report Group: CHLS-P\_011020

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200102P  
SDG/Lab Sample ID: 15433 / L73930-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 01/02/2020  
LoginDate: 01/03/2020  
Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	1.6		.0517	.0517		01/06/2020	01/07/2020	WG168053
Antimony, Total	10	mg/L	.0115		.0031	.0031		01/06/2020	01/07/2020	WG168053
Arsenic, Total	10	mg/L	.0715		.000517	.000517	1	01/06/2020	01/07/2020	WG168053
Barium, Total	10	mg/L	.135		.00517	.00517		01/06/2020	01/07/2020	WG168053
Beryllium, Total	10	mg/L	<.00103	U	.00103	.00103		01/06/2020	01/07/2020	WG168053
Cadmium, Total	10	mg/L	<.000517	U	.000517	.000517	0.5	01/06/2020	01/07/2020	WG168053
Calcium, Total	10	mg/L	82.1		.517	.517		01/06/2020	01/07/2020	WG168053
Chromium, Total	10	mg/L	.0544		.00207	.00207	2.75	01/06/2020	01/07/2020	WG168053
Cobalt, Total	10	mg/L	.0157		.000517	.000517		01/06/2020	01/07/2020	WG168053
Copper, Total	10	mg/L	.0107		.00207	.00207	3	01/06/2020	01/07/2020	WG168053
Iron, Total	10	mg/L	8.25		.103	.103		01/06/2020	01/07/2020	WG168053
Lead, Total	10	mg/L	.00192		.00103	.00103	2	01/06/2020	01/07/2020	WG168053
Magnesium, Total	10	mg/L	24.9		.517	.517		01/06/2020	01/07/2020	WG168053
Manganese, Total	10	mg/L	1.67		.00103	.00103		01/06/2020	01/07/2020	WG168053
Nickel, Total	10	mg/L	.0502		.00103	.00103	2.5	01/06/2020	01/07/2020	WG168053
Phosphorus, Total	10	mg/L	2.96		1.03	1.03		01/06/2020	01/07/2020	WG168053
Potassium, Total	10	mg/L	114		1.03	1.03		01/06/2020	01/07/2020	WG168053
Selenium, Total	10	mg/L	<.00517	U	.00517	.00517		01/06/2020	01/07/2020	WG168053
Silver, Total	10	mg/L	<.000414	U	.000414	.000414	1	01/06/2020	01/07/2020	WG168053
Sodium, Total	10	mg/L	318		1.03	1.03		01/06/2020	01/07/2020	WG168053
Thallium, Total	10	mg/L	<.00103	U	.00103	.00103		01/06/2020	01/07/2020	WG168053
Tin, Total	10	mg/L	.00582		.00517	.00517		01/06/2020	01/07/2020	WG168053
Vanadium, Total	10	mg/L	.0201		.000776	.000776		01/06/2020	01/07/2020	WG168053
Zinc, Total	10	mg/L	.208		.00517	.00517	5	01/06/2020	01/07/2020	WG168053
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		01/08/2020	01/09/2020	WG168099

Target Parameter Count for SDG: 25



# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 01/21/2020  
Report Group: CHLS-P\_011520

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200107P  
SDG/Lab Sample ID: 15398 / L73935-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 01/07/2020  
LoginDate: 01/08/2020  
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		01/10/2020	01/13/2020	WG168155
Aluminum, Total	10	mg/L	.745		.0514	.0514		01/14/2020	01/14/2020	WG168189
Antimony, Total	10	mg/L	.00951		.00309	.00309		01/14/2020	01/14/2020	WG168189
Arsenic, Total	10	mg/L	.067		.000514	.000514	1	01/14/2020	01/14/2020	WG168189
Barium, Total	10	mg/L	.0976		.00514	.00514		01/14/2020	01/14/2020	WG168189
Beryllium, Total	10	mg/L	<.00103	U	.00103	.00103		01/14/2020	01/14/2020	WG168189
Cadmium, Total	10	mg/L	<.000514	U	.000514	.000514	0.5	01/14/2020	01/14/2020	WG168189
Calcium, Total	10	mg/L	67		.514	.514		01/14/2020	01/14/2020	WG168189
Chromium, Total	10	mg/L	.0477		.00206	.00206	2.75	01/14/2020	01/14/2020	WG168189
Cobalt, Total	10	mg/L	.0131		.000514	.000514		01/14/2020	01/14/2020	WG168189
Copper, Total	10	mg/L	.0082		.00206	.00206	3	01/14/2020	01/14/2020	WG168189
Iron, Total	10	mg/L	5.23		.103	.103		01/14/2020	01/14/2020	WG168189
Lead, Total	10	mg/L	.00141		.00103	.00103	2	01/14/2020	01/14/2020	WG168189
Magnesium, Total	10	mg/L	23		.514	.514		01/14/2020	01/14/2020	WG168189
Manganese, Total	10	mg/L	1.15		.00103	.00103		01/14/2020	01/14/2020	WG168189
Nickel, Total	10	mg/L	.0455		.00103	.00103	2.5	01/14/2020	01/14/2020	WG168189
Phosphorus, Total	10	mg/L	2.53		1.03	1.03		01/14/2020	01/14/2020	WG168189
Potassium, Total	10	mg/L	110		1.03	1.03		01/14/2020	01/14/2020	WG168189
Selenium, Total	10	mg/L	<.00514	U	.00514	.00514		01/14/2020	01/14/2020	WG168189
Silver, Total	10	mg/L	<.000411	U	.000411	.000411	1	01/14/2020	01/14/2020	WG168189
Sodium, Total	10	mg/L	314		1.03	1.03		01/14/2020	01/14/2020	WG168189
Thallium, Total	10	mg/L	<.00103	U	.00103	.00103		01/14/2020	01/14/2020	WG168189
Tin, Total	10	mg/L	.00587		.00514	.00514		01/14/2020	01/14/2020	WG168189
Vanadium, Total	10	mg/L	.0179		.000771	.000771		01/14/2020	01/14/2020	WG168189
Zinc, Total	10	mg/L	.103		.00514	.00514	5	01/14/2020	01/14/2020	WG168189

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 01/30/2020  
Report Group: CHLS-P\_012420

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200117P  
SDG/Lab Sample ID: 15435 / L74008-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 01/17/2020  
LoginDate: 01/17/2020  
Matrix: LEACHATE

Metals										
Constituent	D.F.	Unit	Results	Q	MDL	RDL	Reg Limit	Prep Date	Run Date	Run
Aluminum, Total	10	mg/L	.399		.0511	.0511		01/22/2020	01/23/2020	WG168317
Antimony, Total	10	mg/L	.00777		.00307	.00307		01/22/2020	01/23/2020	WG168317
Arsenic, Total	10	mg/L	.0544		.000511	.000511	1	01/22/2020	01/23/2020	WG168317
Barium, Total	10	mg/L	.0706		.00511	.00511		01/22/2020	01/23/2020	WG168317
Beryllium, Total	10	mg/L	<.00102	U	.00102	.00102		01/22/2020	01/23/2020	WG168317
Cadmium, Total	10	mg/L	<.000511	U	.000511	.000511	0.5	01/22/2020	01/23/2020	WG168317
Calcium, Total	10	mg/L	60.7		.511	.511		01/22/2020	01/23/2020	WG168317
Chromium, Total	10	mg/L	.04		.00205	.00205	2.75	01/22/2020	01/23/2020	WG168317
Cobalt, Total	10	mg/L	.0111		.000511	.000511		01/22/2020	01/23/2020	WG168317
Copper, Total	10	mg/L	.0064		.00205	.00205	3	01/22/2020	01/23/2020	WG168317
Iron, Total	10	mg/L	3.95		.102	.102		01/22/2020	01/23/2020	WG168317
Lead, Total	10	mg/L	<.00102	U	.00102	.00102	2	01/22/2020	01/23/2020	WG168317
Magnesium, Total	10	mg/L	20.1		.511	.511		01/22/2020	01/23/2020	WG168317
Manganese, Total	10	mg/L	.875		.00102	.00102		01/22/2020	01/23/2020	WG168317
Nickel, Total	10	mg/L	.0375		.00102	.00102	2.5	01/22/2020	01/23/2020	WG168317
Phosphorus, Total	10	mg/L	1.94		1.02	1.02		01/22/2020	01/23/2020	WG168317
Potassium, Total	10	mg/L	97.3		1.02	1.02		01/22/2020	01/23/2020	WG168317
Selenium, Total	10	mg/L	<.00511	U	.00511	.00511		01/22/2020	01/23/2020	WG168317
Silver, Total	10	mg/L	<.000409	U	.000409	.000409	1	01/22/2020	01/23/2020	WG168317
Sodium, Total	10	mg/L	268		1.02	1.02		01/22/2020	01/23/2020	WG168317
Thallium, Total	10	mg/L	<.00102	U	.00102	.00102		01/22/2020	01/23/2020	WG168317
Tin, Total	10	mg/L	<.00511	U	.00511	.00511		01/22/2020	01/23/2020	WG168317
Vanadium, Total	10	mg/L	.0133		.000767	.000767		01/22/2020	01/23/2020	WG168317
Zinc, Total	10	mg/L	.0491		.00511	.00511	5	01/22/2020	01/23/2020	WG168317
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		01/22/2020	01/23/2020	WG168338

Client Sample ID: LEPS200117F  
SDG/Lab Sample ID: 15435 / L74008-2  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 01/17/2020  
LoginDate: 01/17/2020  
Matrix: LEACHATE

Metals										
Constituent	D.F.	Unit	Results	Q	MDL	RDL	Reg Limit	Prep Date	Run Date	Run
Aluminum, Total	10	mg/L	<.0522	U	.0522	.0522		01/22/2020	01/23/2020	WG168317
Antimony, Total	10	mg/L	<.00313	U	.00313	.00313		01/22/2020	01/23/2020	WG168317
Arsenic, Total	10	mg/L	<.000522	U	.000522	.000522	1	01/22/2020	01/23/2020	WG168317
Barium, Total	10	mg/L	<.00522	U	.00522	.00522		01/22/2020	01/23/2020	WG168317
Beryllium, Total	10	mg/L	<.00104	U	.00104	.00104		01/22/2020	01/23/2020	WG168317
Cadmium, Total	10	mg/L	<.000522	U	.000522	.000522	0.5	01/22/2020	01/23/2020	WG168317
Calcium, Total	10	mg/L	<.522	U	.522	.522		01/22/2020	01/23/2020	WG168317
Chromium, Total	10	mg/L	<.00209	U	.00209	.00209	2.75	01/22/2020	01/23/2020	WG168317
Cobalt, Total	10	mg/L	<.000522	U	.000522	.000522		01/22/2020	01/23/2020	WG168317
Copper, Total	10	mg/L	<.00209	U	.00209	.00209	3	01/22/2020	01/23/2020	WG168317
Iron, Total	10	mg/L	<.104	U	.104	.104		01/22/2020	01/23/2020	WG168317
Lead, Total	10	mg/L	<.00104	U	.00104	.00104	2	01/22/2020	01/23/2020	WG168317
Magnesium, Total	10	mg/L	<.522	U	.522	.522		01/22/2020	01/23/2020	WG168317
Manganese, Total	10	mg/L	<.00104	U	.00104	.00104		01/22/2020	01/23/2020	WG168317



# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 02/03/2020  
Report Group: CHLS-P\_013120

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200123P  
SDG/Lab Sample ID: 15442 / L74010-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 01/23/2020  
LoginDate: 01/24/2020  
Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	.789		.0511	.0511		01/27/2020	01/27/2020	WG168398
Antimony, Total	10	mg/L	.0071		.00306	.00306		01/27/2020	01/27/2020	WG168398
Arsenic, Total	10	mg/L	.0521		.000511	.000511	1	01/27/2020	01/27/2020	WG168398
Barium, Total	10	mg/L	.069		.00511	.00511		01/27/2020	01/27/2020	WG168398
Beryllium, Total	10	mg/L	<.00102	U	.00102	.00102		01/27/2020	01/27/2020	WG168398
Cadmium, Total	10	mg/L	<.000511	U	.000511	.000511	0.5	01/27/2020	01/27/2020	WG168398
Calcium, Total	10	mg/L	55.6		.511	.511		01/27/2020	01/27/2020	WG168398
Chromium, Total	10	mg/L	.0382		.00204	.00204	2.75	01/27/2020	01/27/2020	WG168398
Cobalt, Total	10	mg/L	.0102		.000511	.000511		01/27/2020	01/27/2020	WG168398
Copper, Total	10	mg/L	.00795		.00204	.00204	3	01/27/2020	01/27/2020	WG168398
Iron, Total	10	mg/L	3.85		.102	.102		01/27/2020	01/27/2020	WG168398
Lead, Total	10	mg/L	.00119		.00102	.00102	2	01/27/2020	01/27/2020	WG168398
Magnesium, Total	10	mg/L	19.3		.511	.511		01/27/2020	01/27/2020	WG168398
Manganese, Total	10	mg/L	.802		.00102	.00102		01/27/2020	01/27/2020	WG168398
Nickel, Total	10	mg/L	.0368		.00102	.00102	2.5	01/27/2020	01/27/2020	WG168398
Phosphorus, Total	10	mg/L	2.04		1.02	1.02		01/27/2020	01/27/2020	WG168398
Potassium, Total	10	mg/L	95.2		1.02	1.02		01/27/2020	01/27/2020	WG168398
Selenium, Total	10	mg/L	<.00511	U	.00511	.00511		01/27/2020	01/27/2020	WG168398
Silver, Total	10	mg/L	<.000408	U	.000408	.000408	1	01/27/2020	01/27/2020	WG168398
Sodium, Total	10	mg/L	260		1.02	1.02		01/27/2020	01/27/2020	WG168398
Thallium, Total	10	mg/L	<.00102	U	.00102	.00102		01/27/2020	01/27/2020	WG168398
Tin, Total	10	mg/L	<.00511	U	.00511	.00511		01/27/2020	01/27/2020	WG168398
Vanadium, Total	10	mg/L	.014		.000766	.000766		01/27/2020	01/27/2020	WG168398
Zinc, Total	10	mg/L	.0476		.00511	.00511	5	01/27/2020	01/27/2020	WG168398
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		01/28/2020	01/29/2020	WG168435

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 02/06/2020  
Report Group: CHLS-P\_020620

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200128P  
SDG/Lab Sample ID: 15456 / L74023-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 01/28/2020  
LoginDate: 01/30/2020  
Matrix: LEACHATE

Constituent	Metals									
	D.F.	Unit	Results	Q	MDL	RDL	Reg Limit	Prep Date	Run Date	Run
Mercury, Total	1	mg/L	<.00005	U	.00005	.00005		02/03/2020	02/04/2020	WG168541
Aluminum, Total	10	mg/L	.445		.051	.051		02/04/2020	02/05/2020	WG168553
Antimony, Total	10	mg/L	.00633		.00306	.00306		02/04/2020	02/05/2020	WG168553
Arsenic, Total	10	mg/L	.0474		.00051	.00051	1	02/04/2020	02/05/2020	WG168553
Barium, Total	10	mg/L	.0663		.0051	.0051		02/04/2020	02/05/2020	WG168553
Beryllium, Total	10	mg/L	<.00102	U	.00102	.00102		02/04/2020	02/05/2020	WG168553
Cadmium, Total	10	mg/L	<.00051	U	.00051	.00051	0.5	02/04/2020	02/05/2020	WG168553
Calcium, Total	10	mg/L	63.8		.51	.51		02/04/2020	02/05/2020	WG168553
Chromium, Total	10	mg/L	.0366		.00204	.00204	2.75	02/04/2020	02/05/2020	WG168553
Cobalt, Total	10	mg/L	.0107		.00051	.00051		02/04/2020	02/05/2020	WG168553
Copper, Total	10	mg/L	.00604		.00204	.00204	3	02/04/2020	02/05/2020	WG168553
Iron, Total	10	mg/L	4.22		.102	.102		02/04/2020	02/05/2020	WG168553
Lead, Total	10	mg/L	<.00102	U	.00102	.00102	2	02/04/2020	02/05/2020	WG168553
Magnesium, Total	10	mg/L	20		.51	.51		02/04/2020	02/05/2020	WG168553
Manganese, Total	10	mg/L	.939		.00102	.00102		02/04/2020	02/05/2020	WG168553
Nickel, Total	10	mg/L	.0353		.00102	.00102	2.5	02/04/2020	02/05/2020	WG168553
Phosphorus, Total	10	mg/L	2.05		1.02	1.02		02/04/2020	02/05/2020	WG168553
Potassium, Total	10	mg/L	96.4		1.02	1.02		02/04/2020	02/05/2020	WG168553
Selenium, Total	10	mg/L	<.0051	U	.0051	.0051		02/04/2020	02/05/2020	WG168553
Silver, Total	10	mg/L	<.000408	U	.000408	.000408	1	02/04/2020	02/05/2020	WG168553
Sodium, Total	10	mg/L	267		1.02	1.02		02/04/2020	02/05/2020	WG168553
Thallium, Total	10	mg/L	<.00102	U	.00102	.00102		02/04/2020	02/05/2020	WG168553
Tin, Total	10	mg/L	<.0051	U	.0051	.0051		02/04/2020	02/05/2020	WG168553
Vanadium, Total	10	mg/L	.013		.000765	.000765		02/04/2020	02/05/2020	WG168553
Zinc, Total	10	mg/L	.0535		.0051	.0051	5	02/04/2020	02/05/2020	WG168553

Target Parameter Count for SDG: 25

## HYDROGEN SULFIDE GAS AT MANHOLE R10-52

Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	11/4/19 @ 06:48
Sample Count	Interval Time (sec)	Bump Test Date
19866	30	01/07/19 @ 01:30
H2S Readings		
Date	Daily Max	Daily Average
1/7/2020	0	0
1/8/2020	2.5	0.039
1/9/2020	9	1.117
1/10/2020	0	0
1/11/2020	0	0
1/12/2020	0	0
1/13/2020	1	0.015
1/14/2020	0	0

KING COUNTY SOLID WASTE DIVISION  
LEACHATE HAULING REPORT  
TANKER LOADS

MONTH: JANUARY  
YEAR: 2020

DATE LOAD	BRIGHT		DUVALL		SPOK.		VASHON		HOBART		OTHER		REMARKS
	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	
1													
2	3												
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
TOTAL	30000	273000.00	12000	0.00	12000	7000.00	6000	315000.00	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 701

Seattle, WA 98104-3855

**206-296-6542** Fax 206-296-0197

TTY Relay: 711

March 12, 2020

TO: Greg Newborn, Industrial Waste Compliance, Wastewater Treatment Division

FM: Colleen Christensen, Engineer III, Solid Waste Division *CC*

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

The purpose of the memorandum is to enclose the Self-Monitoring Report for Cedar Hills (Permit Number 7842-03) for the month of February 2020. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 2/5/20, 2/12/20, 2/19/20, 2/25/20)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 2/3/20-2/11/20)
- Leachate Hauling Report (for February)

There were three arsenic exceedances at monitoring location A90021 during the month of February (2/5, 2/12, and 2/19). KCIW was notified of these exceedances on 2/14, 2/21, and 2/28 respectively. Details of these exceedances are provided in two 14-day reports, which were submitted on 2/20 and 3/5.

Please contact me directly if you have any questions. I can be reached at (206) 263-1020, on my cell phone at (206) 512-7100, or by e-mail at [colleen.christensen@kingcounty.gov](mailto:colleen.christensen@kingcounty.gov).

Enclosures

cc: Glynda Steiner, Deputy Division Director, Solid Waste Division (SWD)  
Neil Fujii, Facilities Engineering and Science Section Manager, SWD  
Anne Holmes, Supervising Engineer, SWD  
Joan Kenton, Environmental Compliance Coordinator, SWD  
Dan Swope, Engineer III, SWD  
Toraj Ghofrani, Engineer III, SWD  
Sandy Jimenez, Engineer II, SWD  
Nina Wester, Environmental Scientist II, SWD



King County

# 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: February

2020

This form is available at [www.kingcounty.gov/industrialwaste](http://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												2,179,031	
2												590,838	
3												2,291,504	
4												2,199,539	
5	C	6.85	0.0327	0.6665	<0.0005	0.0051	0.0317	0.6461	0.00995	0.2028	<0.1 ppm	2,444,244	
6												1,321,833	
7												2,626,800	
8												2,638,306	
9												2,631,500	
10												2,638,061	
11												2,631,256	
12	C	6.93	0.024	0.5273	<0.0005	0.0055	0.0236	0.5186	0.00692	0.1521	<0.1 ppm	2,637,817	
13												2,517,364	
14												1,102,326	
15												780,014	
16												709,885	
17												758,072	
18												272,568	
19	C	6.97	0.0485	0.3143	<0.0005	0.0016	0.0442	0.2865	0.00688	0.0446	<0.1 ppm	777,084	
20												729,492	
21												971,985	
22												82,840	
23												176,407	
24												256,100	
25	C	7.98	0.0686	0.2409	<0.0005	0.0009	0.0615	0.2159	0.00654	0.0230	<0.1 ppm	421,000	
26												481,300	
27												260,500	
28												0	
29												549,800	
30												N/A	
31												N/A	

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

March 12, 2020

Date





# Industrial Waste Program Monthly Self-Monitoring Report

Page 2 of 2

King County

Company Name: King County SWD - Cedar Hills Landfill

Please Specify Month & Year: Month: February 2020

Sample Site No. A90021

Permit No.: 7842-03

This form is available at [www.kingcounty.gov/industrialwaste](http://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												
5	C	0.0014	0.02854	<0.0005	0.0005	0.0291	0.593	<0.0004	0.0041	0.0771	1.572	
6												
7												
8												
9												
10												
11												
12	C	<0.00102	0.01099	<0.0001	0.0011	0.028	0.615	<0.0004	0.0044	0.131	2.878	
13												
14												
15												
16												
17												
18												
19	C	<0.00101	0.00324	<0.0001	0.0003	0.0411	0.266	<0.0004	0.0013	0.103	0.668	
20												
21												
22												
23												
24												
25	C	0.00102	0.00358	<0.0001	0.0002	0.0562	0.197	<0.0004	0.0007	0.115	0.404	
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.

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.kcw@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 2020

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

All units are PPM unless otherwise noted.

Sample Date (circle)	H <sub>2</sub> S - Air MAX	H <sub>2</sub> S - Air Average	Active Discharge during MAX H <sub>2</sub> S reading? (Y/N)	Notes
1				
2				
3	0.0	0.0	Y	
4	0.0	0.0	Y	
5	0.0	0.0	Y	
6	0.0	0.0	Y	
7	0.0	0.0	Y	
8	0.0	0.0	Y	
9	0.0	0.0	Y	
10	0.0	0.0	Y	
11	0.0	0.0	Y	
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				

Monthly MAX0.0

Monthly AVG0.0

2/3/20-2/11/20

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.

March 12, 2020

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 Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 02/12/2020  
Report Group: CHLS-P\_021220

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200205P  
SDG/Lab Sample ID: 15503 / L74106-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 02/05/2020  
LoginDate: 02/05/2020  
Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	1.62		.0504	.0504		02/07/2020	02/12/2020	WG168633
Antimony, Total	10	mg/L	.0042		.00302	.00302		02/07/2020	02/12/2020	WG168633
Arsenic, Total	10	mg/L	.0327		.000504	.000504	1	02/07/2020	02/12/2020	WG168633
Barium, Total	10	mg/L	.0634		.00504	.00504		02/07/2020	02/12/2020	WG168633
Beryllium, Total	10	mg/L	<.00101	U	.00101	.00101		02/07/2020	02/12/2020	WG168633
Cadmium, Total	10	mg/L	<.000504	U	.000504	.000504	0.5	02/07/2020	02/12/2020	WG168633
Calcium, Total	10	mg/L	61.5		.504	.504		02/07/2020	02/12/2020	WG168633
Chromium, Total	10	mg/L	.0317		.00202	.00202	2.75	02/07/2020	02/12/2020	WG168633
Cobalt, Total	10	mg/L	.00856		.000504	.000504		02/07/2020	02/12/2020	WG168633
Copper, Total	10	mg/L	.00995		.00202	.00202	3	02/07/2020	02/12/2020	WG168633
Iron, Total	10	mg/L	5.95		.101	.101		02/07/2020	02/12/2020	WG168633
Lead, Total	10	mg/L	.0014		.00101	.00101	2	02/07/2020	02/12/2020	WG168633
Magnesium, Total	10	mg/L	16.8		.504	.504		02/07/2020	02/12/2020	WG168633
Manganese, Total	10	mg/L	.9		.00101	.00101		02/07/2020	02/12/2020	WG168633
Nickel, Total	10	mg/L	.0291		.00101	.00101	2.5	02/07/2020	02/12/2020	WG168633
Phosphorus, Total	10	mg/L	2.12		1.01	1.01		02/07/2020	02/12/2020	WG168633
Potassium, Total	10	mg/L	73.5		1.01	1.01		02/07/2020	02/12/2020	WG168633
Selenium, Total	10	mg/L	<.00504	U	.00504	.00504		02/07/2020	02/12/2020	WG168633
Silver, Total	10	mg/L	<.000403	U	.000403	.000403	1	02/07/2020	02/12/2020	WG168633
Sodium, Total	10	mg/L	196		1.01	1.01		02/07/2020	02/12/2020	WG168633
Thallium, Total	10	mg/L	<.00101	U	.00101	.00101		02/07/2020	02/12/2020	WG168633
Tin, Total	10	mg/L	<.00504	U	.00504	.00504		02/07/2020	02/12/2020	WG168633
Vanadium, Total	10	mg/L	.0119		.000756	.000756		02/07/2020	02/12/2020	WG168633
Zinc, Total	10	mg/L	.0771		.00504	.00504	5	02/07/2020	02/12/2020	WG168633
Mercury, Total	1	mg/L	<.00005	U	.00005	.00005		02/07/2020	02/10/2020	WG168647

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 02/20/2020  
Report Group: CHLS-P\_021920

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200212P  
SDG/Lab Sample ID: 15506 / L74130-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 02/12/2020  
LoginDate: 02/12/2020  
Matrix: LEACHATE

Constituent	Metals									
	D.F.	Unit	Results	Q	MDL	RDL	Reg Limit	Prep Date	Run Date	Run
Aluminum, Total	10	mg/L	.899		.0508	.0508		02/14/2020	02/18/2020	WG168772
Antimony, Total	10	mg/L	.00333		.00305	.00305		02/14/2020	02/18/2020	WG168772
Arsenic, Total	10	mg/L	.024		.000508	.000508	1	02/14/2020	02/18/2020	WG168772
Barium, Total	10	mg/L	.0724		.00508	.00508		02/14/2020	02/18/2020	WG168772
Beryllium, Total	10	mg/L	<.00102	U	.00102	.00102		02/14/2020	02/18/2020	WG168772
Cadmium, Total	10	mg/L	<.000508	U	.000508	.000508	0.5	02/14/2020	02/18/2020	WG168772
Calcium, Total	10	mg/L	76.8		.508	.508		02/14/2020	02/18/2020	WG168772
Chromium, Total	10	mg/L	.0236		.00203	.00203	2.75	02/14/2020	02/18/2020	WG168772
Cobalt, Total	10	mg/L	.00935		.000508	.000508		02/14/2020	02/18/2020	WG168772
Copper, Total	10	mg/L	.00692		.00203	.00203	3	02/14/2020	02/18/2020	WG168772
Iron, Total	10	mg/L	7.23		.102	.102		02/14/2020	02/18/2020	WG168772
Lead, Total	10	mg/L	<.00102	U	.00102	.00102	2	02/14/2020	02/18/2020	WG168772
Magnesium, Total	10	mg/L	15.3		.508	.508		02/14/2020	02/18/2020	WG168772
Manganese, Total	10	mg/L	1.46	D	.00102	.00102		02/14/2020	02/18/2020	WG168772
Nickel, Total	10	mg/L	.028		.00102	.00102	2.5	02/14/2020	02/18/2020	WG168772
Phosphorus, Total	10	mg/L	1.63		1.02	1.02		02/14/2020	02/18/2020	WG168772
Potassium, Total	10	mg/L	52.5		1.02	1.02		02/14/2020	02/18/2020	WG168772
Selenium, Total	10	mg/L	<.00508	U	.00508	.00508		02/14/2020	02/18/2020	WG168772
Silver, Total	10	mg/L	<.000406	U	.000406	.000406	1	02/14/2020	02/18/2020	WG168772
Sodium, Total	10	mg/L	152		1.02	1.02		02/14/2020	02/18/2020	WG168772
Thallium, Total	10	mg/L	<.00102	U	.00102	.00102		02/14/2020	02/18/2020	WG168772
Tin, Total	10	mg/L	<.00508	U	.00508	.00508		02/14/2020	02/18/2020	WG168772
Vanadium, Total	10	mg/L	.00932		.000762	.000762		02/14/2020	02/18/2020	WG168772
Zinc, Total	10	mg/L	.131		.00508	.00508	5	02/14/2020	02/18/2020	WG168772
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		02/14/2020	02/18/2020	WG168803

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 02/27/2020  
Report Group: CHLS-P\_022720

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200219P  
SDG/Lab Sample ID: 15479 / L74200-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 02/20/2020  
LoginDate: 02/20/2020  
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		02/21/2020	02/25/2020	WG168903
Aluminum, Total	10	mg/L	.596		.0506	.0506		02/24/2020	02/25/2020	WG168910
Antimony, Total	10	mg/L	.00563		.00304	.00304		02/24/2020	02/25/2020	WG168910
Arsenic, Total	10	mg/L	.0485		.000506	.000506	1	02/24/2020	02/25/2020	WG168910
Barium, Total	10	mg/L	.0935		.00506	.00506		02/24/2020	02/25/2020	WG168910
Beryllium, Total	10	mg/L	<.00101	U	.00101	.00101		02/24/2020	02/25/2020	WG168910
Cadmium, Total	10	mg/L	<.000506	U	.000506	.000506	0.5	02/24/2020	02/25/2020	WG168910
Calcium, Total	10	mg/L	88.7		.506	.506		02/24/2020	02/25/2020	WG168910
Chromium, Total	10	mg/L	.0442		.00202	.00202	2.75	02/24/2020	02/25/2020	WG168910
Cobalt, Total	10	mg/L	.0116		.000506	.000506		02/24/2020	02/25/2020	WG168910
Copper, Total	10	mg/L	.00688		.00202	.00202	3	02/24/2020	02/25/2020	WG168910
Iron, Total	10	mg/L	6.3		.101	.101		02/24/2020	02/25/2020	WG168910
Lead, Total	10	mg/L	<.00101	U	.00101	.00101	2	02/24/2020	02/25/2020	WG168910
Magnesium, Total	10	mg/L	24.7		.506	.506		02/24/2020	02/25/2020	WG168910
Manganese, Total	10	mg/L	1.36		.00101	.00101		02/24/2020	02/25/2020	WG168910
Nickel, Total	10	mg/L	.0411		.00101	.00101	2.5	02/24/2020	02/25/2020	WG168910
Phosphorus, Total	10	mg/L	2.56		1.01	1.01		02/24/2020	02/25/2020	WG168910
Potassium, Total	10	mg/L	102		1.01	1.01		02/24/2020	02/25/2020	WG168910
Selenium, Total	10	mg/L	<.00506	U	.00506	.00506		02/24/2020	02/25/2020	WG168910
Silver, Total	10	mg/L	<.000405	U	.000405	.000405	1	02/24/2020	02/25/2020	WG168910
Sodium, Total	10	mg/L	293		1.01	1.01		02/24/2020	02/25/2020	WG168910
Thallium, Total	10	mg/L	<.00101	U	.00101	.00101		02/24/2020	02/25/2020	WG168910
Tin, Total	10	mg/L	<.00506	U	.00506	.00506		02/24/2020	02/25/2020	WG168910
Vanadium, Total	10	mg/L	.0133		.000759	.000759		02/24/2020	02/25/2020	WG168910
Zinc, Total	10	mg/L	.103		.00506	.00506	5	02/24/2020	02/25/2020	WG168910

Target Parameter Count for SDG: 25



# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 03/04/2020  
Report Group: CHLS-P\_030320

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200225P  
SDG/Lab Sample ID: 15467 / L74220-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 02/25/2020  
LoginDate: 02/25/2020  
Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	.613		.0507	.0507		02/27/2020	03/02/2020	WG168984
Antimony, Total	10	mg/L	.008		.00304	.00304		02/27/2020	03/02/2020	WG168984
Arsenic, Total	10	mg/L	.0686		.000507	.000507	1	02/27/2020	03/02/2020	WG168984
Barium, Total	10	mg/L	.109		.00507	.00507		02/27/2020	03/02/2020	WG168984
Beryllium, Total	10	mg/L	<.00101	U	.00101	.00101		02/27/2020	03/02/2020	WG168984
Cadmium, Total	10	mg/L	<.000507	U	.000507	.000507	0.5	02/27/2020	03/02/2020	WG168984
Calcium, Total	10	mg/L	112		.507	.507		02/27/2020	03/02/2020	WG168984
Chromium, Total	10	mg/L	.0615		.00203	.00203	2.75	02/27/2020	03/02/2020	WG168984
Cobalt, Total	10	mg/L	.016		.000507	.000507		02/27/2020	03/02/2020	WG168984
Copper, Total	10	mg/L	.00654		.00203	.00203	3	02/27/2020	03/02/2020	WG168984
Iron, Total	10	mg/L	7.22		.101	.101		02/27/2020	03/02/2020	WG168984
Lead, Total	10	mg/L	.00102		.00101	.00101	2	02/27/2020	03/02/2020	WG168984
Magnesium, Total	10	mg/L	31.2		.507	.507		02/27/2020	03/02/2020	WG168984
Manganese, Total	10	mg/L	1.55		.00101	.00101		02/27/2020	03/02/2020	WG168984
Nickel, Total	10	mg/L	.0562		.00101	.00101	2.5	02/27/2020	03/02/2020	WG168984
Phosphorus, Total	10	mg/L	3.51		1.01	1.01		02/27/2020	03/02/2020	WG168984
Potassium, Total	10	mg/L	145		1.01	1.01		02/27/2020	03/02/2020	WG168984
Selenium, Total	10	mg/L	<.00507	U	.00507	.00507		02/27/2020	03/02/2020	WG168984
Silver, Total	10	mg/L	<.000406	U	.000406	.000406	1	02/27/2020	03/02/2020	WG168984
Sodium, Total	10	mg/L	415		1.01	1.01		02/27/2020	03/02/2020	WG168984
Thallium, Total	10	mg/L	<.00101	U	.00101	.00101		02/27/2020	03/02/2020	WG168984
Tin, Total	10	mg/L	.00544		.00507	.00507		02/27/2020	03/02/2020	WG168984
Vanadium, Total	10	mg/L	.0184		.000761	.000761		02/27/2020	03/02/2020	WG168984
Zinc, Total	10	mg/L	.115		.00507	.00507	5	02/27/2020	03/02/2020	WG168984
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		02/27/2020	02/28/2020	WG168997

Target Parameter Count for SDG: 25

## HYDROGEN SULFIDE GAS AT MANHOLE R10-52

Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	11/4/19 @ 06:48
Sample Count	Interval Time (sec)	Bump Test Date
23307	30	02/03/19 @ 08:59

### H2S Readings

Date	Daily Max	Daily Average
2/3/2020	0.0	0.0
2/4/2020	0.0	0.0
2/5/2020	0.0	0.0
2/6/2020	0.0	0.0
2/7/2020	0.0	0.0
2/8/2020	0.0	0.0
2/9/2020	0.0	0.0
2/10/2020	0.0	0.0
2/11/2020	0.0	0.0

KING COUNTY SOLID WASTE DIVISION  
LEACHATE HAULING REPORT  
TANKER LOADS

MONTH: FEBRUARY  
YEAR: 2020

DATE LOAD	BRIGHT			DUVALL			SPOK.			VASHON			HOBART			OTHER			REMARKS
	6000	7000		6000	7000	C.H.	6000	7000	SPOK.	6000	7000	C.H.	6000	7000	C.H.	6000	7000	C.H.	
1	1.00						1.00												
2	2.00																		
3	4.00																		
4		4.00																	
5		4.00																	
6		4.00																	
7		5.00																	
8				1.00			2.00												
9		3.00		2.00															
10		2.00																	
11		2.00																	
12		1.00					1.00												
13																			
14																			
15																			
16				1.00															
17		1.00																	
18																			
19																			
20																			
21																			
22																			
23																			
24				2.00															
25																			
26																			
27																			
28																			
29																			
30																			
31																			
TOTAL	42000	182000.00		6000	42000.00		18000	42000.00		6000	329000.00		0	0.00		0	0.00		0.00



**King County**

**Solid Waste Division**

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 701

Seattle, WA 98104-3855

**206-477-4466**

711 TTY Relay

[www.kingcounty.gov/solidwaste](http://www.kingcounty.gov/solidwaste)

April 15, 2020

TO: Greg Newborn, Industrial Waste Compliance, Wastewater Treatment Division

FM: Colleen Christensen, Engineer III, Solid Waste Division <sup>DS</sup>  
CC

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

The purpose of the memorandum is to enclose the Self-Monitoring Report for Cedar Hills (Permit Number 7842-03) for the month of March 2020. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 3/3/20, 3/11/20, 3/17/20, 3/23/20, 3/31/20)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 3/2/20-3/11/20)
- Leachate Hauling Report (for March)

There were three arsenic loading exceedances at monitoring location A90021 during the month of March (3/3, 3/23, and 3/31). KCIW was notified of these exceedances on 3/13, 4/1, and 4/8 respectively. Details of these exceedances are provided in two 14-day reports, which were submitted on 3/25 and 4/15.

Please contact me directly if you have any questions. I can be reached at (206) 263-1020, on my cell phone at (206) 512-7100, or by e-mail at [colleen.christensen@kingcounty.gov](mailto:colleen.christensen@kingcounty.gov).

Enclosures

cc: Glynda Steiner, Deputy Division Director, Solid Waste Division (SWD)  
Neil Fujii, Facilities Engineering and Science Section Manager, SWD  
Anne Holmes, Supervising Engineer, SWD  
Joan Kenton, Environmental Compliance Coordinator, SWD  
Dan Swope, Engineer III, SWD  
Toraj Ghofrani, Engineer III, SWD  
Sentry Jimenez, Engineer II, SWD  
Nina Wester, Environmental Scientist II, SWD



# Industrial Waste Program Monthly Self-Monitoring Report

Page 1 of 2

King County

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](mailto: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: March 2020      This form is available at [www.kingcounty.gov/industrialwaste](http://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	C	7.91	0.0846	0.3745	<0.0003	0.0006	0.0672	0.2975	0.0063	0.0279	<0.1 ppm		
4													
5													
6													
7													
8													
9													
10													
11	C	7.95	0.0784	0.1973	<0.0005	0.0006	0.068	0.1711	0.0077	0.0194	<0.1 ppm		
12													
13													
14													
15													
16													
17	C	8.24	0.087	0.1181	<0.0003	0.0002	0.0762	0.1034	0.00758	0.0103	<0.1 ppm		
18													
19													
20													
21													
22													
23	C	8.02	0.104	0.2952	<0.0005	0.0007	0.0884	0.2510	0.00676	0.0192	<0.1 ppm		
24													
25													
26													
27													
28													
29													
30													
31	C	8.29	0.0881	0.7935	<0.0005	0.0023	0.0729	0.6566	0.00755	0.0680	<0.1 ppm	1,080,000	

Signature of Principal Executive or Authorized Agent  
*Joran Kenton*  
April 15, 2020  
Date

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 laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

Monthly Min pH	7.91	3/3/20	Total Monthly Flow (gallons)	15,588,900
Monthly Max pH	8.29	3/31/20	Maximum Daily Flow	1,101,700

PLEASE CIRCLE ALL PERMIT VIOLATIONS      Due Date: Monthly report is due by the 15th each month.





# Industrial Waste Program Monthly Self-Monitoring Report

Page 2 of 2

King County

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: March 2020 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	C	0.00967	0.04281	<0.0001	0.0002	0.0663	0.294	<0.0002	0.0004	0.111	0.491		
4													
5													
6													
7													
8													
9													
10													
11	C	0.00131	0.00330	<0.0001	0.0001	0.0652	0.164	<0.0004	0.0005	0.0987	0.248		
12													
13													
14													
15													
16													
17	C	0.00132	0.00179	<0.0001	0.0001	0.0718	0.097	<0.0002	0.0001	0.101	0.137		
18													
19													
20													
21													
22													
23	C	0.00133	0.00378	<0.0001	0.0001	0.0777	0.221	<0.0004	0.0006	0.112	0.318		
24													
25													
26													
27													
28													
29													
30													
31	C	0.00156	0.01405	<0.0001	0.0005	0.0734	0.661	<0.0004	0.0018	0.107	0.964		

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.

Joan Kenton

April 15, 2020

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

### 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](mailto: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: March 2020

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

All units are PPM unless otherwise noted.

Sample Date (circle)	H <sub>2</sub> S – Air MAX	H <sub>2</sub> S – Air Average	Active Discharge during MAX H <sub>2</sub> S reading? (Y/N)	Notes
1				<div>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.</div> <div><i>Jean Kenton</i> Signature of Principal Executive or Authorized Agent Date April 15, 2020</div>
2	0.0	0.0	Y	
3	0.0	0.0	Y	
4	5.0	0.0085069	Y	
5	0.0	0.0	Y	
6	0.0	0.0	Y	
7	2.5	0.0020833	Y	
8	0.0	0.0	Y	
9	0.0	0.0	Y	
10	0.0	0.0	Y	
11	0.0	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 5.0  
Monthly AVG 0.00106

3/4/20

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: 03/11/2020  
Report Group: CHLS-P\_031120

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200303P	CollectDate: 03/03/2020
SDG/Lab Sample ID: 15470 / L74295-1	LoginDate: 03/04/2020
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	5	mg/L	.63		.0252	.0252		03/06/2020	03/09/2020	WG169099
Antimony, Total	5	mg/L	.00919		.00151	.00151		03/06/2020	03/09/2020	WG169099
Arsenic, Total	5	mg/L	.0846		.000252	.000252	1	03/06/2020	03/09/2020	WG169099
Barium, Total	5	mg/L	.118		.00252	.00252		03/06/2020	03/09/2020	WG169099
Beryllium, Total	5	mg/L	<.000504	U	.000504	.000504		03/06/2020	03/09/2020	WG169099
Cadmium, Total	5	mg/L	<.000252	U	.000252	.000252	0.5	03/06/2020	03/09/2020	WG169099
Calcium, Total	5	mg/L	124		.252	.252		03/06/2020	03/09/2020	WG169099
Chromium, Total	5	mg/L	.0672		.00101	.00101	2.75	03/06/2020	03/09/2020	WG169099
Cobalt, Total	5	mg/L	.0188		.000252	.000252		03/06/2020	03/09/2020	WG169099
Copper, Total	5	mg/L	.0063		.00101	.00101	3	03/06/2020	03/09/2020	WG169099
Iron, Total	5	mg/L	7.53		.0504	.0504		03/06/2020	03/09/2020	WG169099
Lead, Total	5	mg/L	.000967		.000504	.000504	2	03/06/2020	03/09/2020	WG169099
Magnesium, Total	5	mg/L	35.3		.252	.252		03/06/2020	03/09/2020	WG169099
Manganese, Total	5	mg/L	1.52		.000504	.000504		03/06/2020	03/09/2020	WG169099
Nickel, Total	5	mg/L	.0663		.000504	.000504	2.5	03/06/2020	03/09/2020	WG169099
Phosphorus, Total	5	mg/L	4		.504	.504		03/06/2020	03/09/2020	WG169099
Potassium, Total	5	mg/L	182		.504	.504		03/06/2020	03/09/2020	WG169099
Selenium, Total	5	mg/L	<.00252	U	.00252	.00252		03/06/2020	03/09/2020	WG169099
Silver, Total	5	mg/L	<.000201	U	.000201	.000201	1	03/06/2020	03/09/2020	WG169099
Sodium, Total	5	mg/L	503		.504	.504		03/06/2020	03/09/2020	WG169099
Thallium, Total	5	mg/L	<.000504	U	.000504	.000504		03/06/2020	03/09/2020	WG169099
Tin, Total	5	mg/L	.0054	G	.00252	.00252		03/06/2020	03/09/2020	WG169099
Vanadium, Total	5	mg/L	.0218		.000378	.000378		03/06/2020	03/09/2020	WG169099
Zinc, Total	5	mg/L	.111		.00252	.00252	5	03/06/2020	03/09/2020	WG169099
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		03/06/2020	03/09/2020	WG169101

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 03/20/2020  
Report Group: CHLS-P\_031920

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200311P	CollectDate: 03/11/2020
SDG/Lab Sample ID: 15560 / L74325-1	LoginDate: 03/12/2020
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		03/12/2020	03/13/2020	WG169200
Aluminum, Total	11	mg/L	.845		.0527	.0527		03/16/2020	03/18/2020	WG169236
Antimony, Total	11	mg/L	.00877		.00316	.00316		03/16/2020	03/18/2020	WG169236
Arsenic, Total	11	mg/L	.0784		.000527	.000527	1	03/16/2020	03/18/2020	WG169236
Barium, Total	11	mg/L	.106		.00527	.00527		03/16/2020	03/18/2020	WG169236
Beryllium, Total	11	mg/L	<.00105	U	.00105	.00105		03/16/2020	03/18/2020	WG169236
Cadmium, Total	11	mg/L	<.000527	U	.000527	.000527	0.5	03/16/2020	03/18/2020	WG169236
Calcium, Total	11	mg/L	105		.527	.527		03/16/2020	03/18/2020	WG169236
Chromium, Total	11	mg/L	.068		.00211	.00211	2.75	03/16/2020	03/18/2020	WG169236
Cobalt, Total	11	mg/L	.0177		.000527	.000527		03/16/2020	03/18/2020	WG169236
Copper, Total	11	mg/L	.0077		.00211	.00211	3	03/16/2020	03/18/2020	WG169236
Iron, Total	11	mg/L	7.42		.105	.105		03/16/2020	03/18/2020	WG169236
Lead, Total	11	mg/L	.00131		.00105	.00105	2	03/16/2020	03/18/2020	WG169236
Magnesium, Total	11	mg/L	34		.527	.527		03/16/2020	03/18/2020	WG169236
Manganese, Total	11	mg/L	1.39		.00105	.00105		03/16/2020	03/18/2020	WG169236
Nickel, Total	11	mg/L	.0652		.00105	.00105	2.5	03/16/2020	03/18/2020	WG169236
Phosphorus, Total	11	mg/L	3.66		1.05	1.05		03/16/2020	03/18/2020	WG169236
Potassium, Total	11	mg/L	167		1.05	1.05		03/16/2020	03/18/2020	WG169236
Selenium, Total	11	mg/L	<.00527	U	.00527	.00527		03/16/2020	03/18/2020	WG169236
Silver, Total	11	mg/L	<.000421	U	.000421	.000421	1	03/16/2020	03/18/2020	WG169236
Sodium, Total	11	mg/L	480		1.05	1.05		03/16/2020	03/18/2020	WG169236
Thallium, Total	11	mg/L	<.00105	U	.00105	.00105		03/16/2020	03/18/2020	WG169236
Tin, Total	11	mg/L	.00663		.00527	.00527		03/16/2020	03/18/2020	WG169236
Vanadium, Total	11	mg/L	.0213		.00079	.00079		03/16/2020	03/18/2020	WG169236
Zinc, Total	11	mg/L	.0987		.00527	.00527	5	03/16/2020	03/18/2020	WG169236

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 03/24/2020  
Report Group: CHLS-P\_032420

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200317P  
SDG/Lab Sample ID: 15526 / L74333-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 03/17/2020  
LoginDate: 03/17/2020  
Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	5	mg/L	.78	J	.0257	.0257		03/19/2020	03/20/2020	WG169303
Antimony, Total	5	mg/L	.01		.00154	.00154		03/19/2020	03/20/2020	WG169303
Arsenic, Total	5	mg/L	.087		.000257	.000257	1	03/19/2020	03/20/2020	WG169303
Barium, Total	5	mg/L	.116		.00257	.00257		03/19/2020	03/20/2020	WG169303
Beryllium, Total	5	mg/L	<.000514	U	.000514	.000514		03/19/2020	03/20/2020	WG169303
Cadmium, Total	5	mg/L	<.000257	U	.000257	.000257	0.5	03/19/2020	03/20/2020	WG169303
Calcium, Total	5	mg/L	112		.257	.257		03/19/2020	03/20/2020	WG169303
Chromium, Total	5	mg/L	.0762		.00103	.00103	2.75	03/19/2020	03/20/2020	WG169303
Cobalt, Total	5	mg/L	.0192		.000257	.000257		03/19/2020	03/20/2020	WG169303
Copper, Total	5	mg/L	.00758		.00103	.00103	3	03/19/2020	03/20/2020	WG169303
Iron, Total	5	mg/L	7.7		.0514	.0514		03/19/2020	03/20/2020	WG169303
Lead, Total	5	mg/L	.00132		.000514	.000514	2	03/19/2020	03/20/2020	WG169303
Magnesium, Total	5	mg/L	35.1		.257	.257		03/19/2020	03/20/2020	WG169303
Manganese, Total	5	mg/L	1.36		.000514	.000514		03/19/2020	03/20/2020	WG169303
Nickel, Total	5	mg/L	.0718		.000514	.000514	2.5	03/19/2020	03/20/2020	WG169303
Phosphorus, Total	5	mg/L	3.85		.514	.514		03/19/2020	03/20/2020	WG169303
Potassium, Total	5	mg/L	181		.514	.514		03/19/2020	03/20/2020	WG169303
Selenium, Total	5	mg/L	<.00257	U	.00257	.00257		03/19/2020	03/20/2020	WG169303
Silver, Total	5	mg/L	<.000206	U	.000206	.000206	1	03/19/2020	03/20/2020	WG169303
Sodium, Total	5	mg/L	518		.514	.514		03/19/2020	03/20/2020	WG169303
Thallium, Total	5	mg/L	<.000514	U	.000514	.000514		03/19/2020	03/20/2020	WG169303
Tin, Total	5	mg/L	.0074	J	.00257	.00257		03/19/2020	03/20/2020	WG169303
Vanadium, Total	5	mg/L	.0231	D	.000386	.000386		03/19/2020	03/20/2020	WG169303
Zinc, Total	5	mg/L	.101		.00257	.00257	5	03/19/2020	03/20/2020	WG169303
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		03/19/2020	03/20/2020	WG169310

Target Parameter Count for SDG: 25

## King County Environmental Laboratory

Client: King County Division of Solid Waste  
 Date Reported: 03/30/2020  
 Report Group: CHLS-P\_033020

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: LEPS200323P	CollectDate: 03/23/2020
SDG/Lab Sample ID: 15515 / L74336-1	LoginDate: 03/23/2020
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		03/25/2020	03/26/2020	WG169375
Aluminum, Total	10	mg/L	.709		.0493	.0493		03/26/2020	03/26/2020	WG169380
Antimony, Total	10	mg/L	.0117		.00296	.00296		03/26/2020	03/26/2020	WG169380
Arsenic, Total	10	mg/L	.104		.000493	.000493	1	03/26/2020	03/26/2020	WG169380
Barium, Total	10	mg/L	.13		.00493	.00493		03/26/2020	03/26/2020	WG169380
Beryllium, Total	10	mg/L	<.000987	U	.000987	.000987		03/26/2020	03/26/2020	WG169380
Cadmium, Total	10	mg/L	<.000493	U	.000493	.000493	0.5	03/26/2020	03/26/2020	WG169380
Calcium, Total	10	mg/L	117		.493	.493		03/26/2020	03/26/2020	WG169380
Chromium, Total	10	mg/L	.0884		.00197	.00197	2.75	03/26/2020	03/26/2020	WG169380
Cobalt, Total	10	mg/L	.0214		.000493	.000493		03/26/2020	03/26/2020	WG169380
Copper, Total	10	mg/L	.00676		.00197	.00197	3	03/26/2020	03/26/2020	WG169380
Iron, Total	10	mg/L	7.9		.0987	.0987		03/26/2020	03/26/2020	WG169380
Lead, Total	10	mg/L	.00133		.000987	.000987	2	03/26/2020	03/26/2020	WG169380
Magnesium, Total	10	mg/L	39.6		.493	.493		03/26/2020	03/26/2020	WG169380
Manganese, Total	10	mg/L	1.4		.000987	.000987		03/26/2020	03/26/2020	WG169380
Nickel, Total	10	mg/L	.0777		.000987	.000987	2.5	03/26/2020	03/26/2020	WG169380
Phosphorus, Total	10	mg/L	4.58		.987	.987		03/26/2020	03/26/2020	WG169380
Potassium, Total	10	mg/L	215		.987	.987		03/26/2020	03/26/2020	WG169380
Selenium, Total	10	mg/L	<.00493	U	.00493	.00493		03/26/2020	03/26/2020	WG169380
Silver, Total	10	mg/L	<.000395	U	.000395	.000395	1	03/26/2020	03/26/2020	WG169380
Sodium, Total	10	mg/L	607		.987	.987		03/26/2020	03/26/2020	WG169380
Thallium, Total	10	mg/L	<.000987	U	.000987	.000987		03/26/2020	03/26/2020	WG169380
Tin, Total	10	mg/L	.00984		.00493	.00493		03/26/2020	03/26/2020	WG169380
Vanadium, Total	10	mg/L	.0268		.00074	.00074		03/26/2020	03/26/2020	WG169380
Zinc, Total	10	mg/L	.112		.00493	.00493	5	03/26/2020	03/26/2020	WG169380

Target Parameter Count for SDG: 25

## King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 04/08/2020  
Report Group: CHLS-P\_040820

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200331P  
SDG/Lab Sample ID: 15561 / L74392-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 03/31/2020  
LoginDate: 04/01/2020  
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		04/01/2020	04/01/2020	WG169412
Aluminum, Total	10	mg/L	.991		.0509	.0509		04/01/2020	04/01/2020	WG169414
Antimony, Total	10	mg/L	.0102		.00305	.00305		04/01/2020	04/01/2020	WG169414
Arsenic, Total	10	mg/L	.0881		.000509	.000509	1	04/01/2020	04/01/2020	WG169414
Barium, Total	10	mg/L	.107		.00509	.00509		04/01/2020	04/01/2020	WG169414
Beryllium, Total	10	mg/L	<.00102	U	.00102	.00102		04/01/2020	04/01/2020	WG169414
Cadmium, Total	10	mg/L	<.000509	U	.000509	.000509	0.5	04/01/2020	04/01/2020	WG169414
Calcium, Total	10	mg/L	103		.509	.509		04/01/2020	04/01/2020	WG169414
Chromium, Total	10	mg/L	.0729		.00204	.00204	2.75	04/01/2020	04/01/2020	WG169414
Cobalt, Total	10	mg/L	.019		.000509	.000509		04/01/2020	04/01/2020	WG169414
Copper, Total	10	mg/L	.00755		.00204	.00204	3	04/01/2020	04/01/2020	WG169414
Iron, Total	10	mg/L	7.26		.102	.102		04/01/2020	04/01/2020	WG169414
Lead, Total	10	mg/L	.00156		.00102	.00102	2	04/01/2020	04/01/2020	WG169414
Magnesium, Total	10	mg/L	36.3		.509	.509		04/01/2020	04/01/2020	WG169414
Manganese, Total	10	mg/L	1.22		.00102	.00102		04/01/2020	04/01/2020	WG169414
Nickel, Total	10	mg/L	.0734		.00102	.00102	2.5	04/01/2020	04/01/2020	WG169414
Phosphorus, Total	10	mg/L	3.9		1.02	1.02		04/01/2020	04/01/2020	WG169414
Potassium, Total	10	mg/L	188		1.02	1.02		04/01/2020	04/01/2020	WG169414
Selenium, Total	10	mg/L	<.00509	U	.00509	.00509		04/01/2020	04/01/2020	WG169414
Silver, Total	10	mg/L	<.000407	U	.000407	.000407	1	04/01/2020	04/01/2020	WG169414
Sodium, Total	10	mg/L	536		1.02	1.02		04/01/2020	04/01/2020	WG169414
Thallium, Total	10	mg/L	<.00102	U	.00102	.00102		04/01/2020	04/01/2020	WG169414
Tin, Total	10	mg/L	.00854		.00509	.00509		04/01/2020	04/01/2020	WG169414
Vanadium, Total	10	mg/L	.0237		.000763	.000763		04/01/2020	04/01/2020	WG169414
Zinc, Total	10	mg/L	.107		.00509	.00509	5	04/01/2020	04/01/2020	WG169414

Target Parameter Count for SDG: 25

## HYDROGEN SULFIDE GAS AT MANHOLE R10-52

Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	02/11/19 @ 02:05
Sample Count	Interval Time (sec)	Bump Test Date
25968	30	02/11/20 @ 02:07
H2S Readings		
Date	Daily Max	Daily Average
3/2/2020	0.0	0.0
3/3/2020	0.0	0.0
3/4/2020	5.0	0.0085069
3/5/2020	0.0	0.0
3/6/2020	0.0	0.0
3/7/2020	2.5	0.0020833
3/8/2020	0.0	0.0
3/9/2020	0.0	0.0
3/10/2020	0.0	0.0
3/11/2020	0.0	0.0



**KING COUNTY SOLID WASTE DIVISION**  
LEACHATE HAULING REPORT  
TANKER LOADS

MONTH: MARCH  
YEAR: 2020

	DUVALL						VASHON				HOBART		OTHER		
DATE	BRIGHT		C.H.		SPOK.		SPOK.		C.H.		C.H.		C.H.		REMARKS
LOAD	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	
1						2									
2															
3															
4															
5															
6															
7					3										
8															
9															
10															
11															
12		3													
13									2						
14									2						
15					1	1									
16															
17															
18															
19															
20															
21					2										
22															
23															
24															
25					1	1									
26															
27									2						
28									2						
29					1				1						
30															
31															
TOTAL	0	21000	0	35000	18000	28000	0	63000	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 701

Seattle, WA 98104-3855

**206-296-6542** Fax 206-296-0197

TTY Relay: 711

May 14, 2020

TO: Greg Newborn, Industrial Waste Compliance, Wastewater Treatment Division

FM: Colleen Christensen, Engineer III, Solid Waste Division *NW for CC*

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

The purpose of the memorandum is to enclose the Self-Monitoring Report for Cedar Hills (Permit Number 7842-03) for the month of April 2020. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 4/7/20, 4/15/20, 4/21/20, 4/29/20)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 4/1/20-4/7/20)
- Leachate Hauling Report (for April)

There was one arsenic loading exceedance at monitoring location A90021 during the month of April (4/21). KCIW was notified of this exceedance on 4/29. Details of this exceedance is provided in one 14-day report, which was submitted on 5/7. The sample taken on 4/29 showed a return to compliance.

Please contact me directly if you have any questions. I can be reached at (206) 263-1020, on my cell phone at (206) 512-7100, or by e-mail at [colleen.christensen@kingcounty.gov](mailto:colleen.christensen@kingcounty.gov).

Enclosures

cc: Glynda Steiner, Deputy Division Director, Solid Waste Division (SWD)  
Neil Fujii, Facilities Engineering and Science Section Manager, SWD  
Anne Holmes, Supervising Engineer, SWD  
Isabel McClure, Supervising Engineer, SWD  
Joan Kenton, Environmental Compliance Coordinator, SWD  
Dan Swope, Engineer III, SWD  
Toraj Ghofrani, Engineer III, SWD  
Sandy Jimenez, Engineer II, SWD  
Nina Wester, Environmental Scientist II, SWD



# Industrial Waste Program Monthly Self-Monitoring Report

Page 1 of 2

King County

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 Year: 2020 This form is available at [www.kingcounty.gov/industrialwaste](http://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	LOAD	LIMIT	LOAD	LIMIT	LOAD	LIMIT	LOAD	LIMIT	LOAD			
1														
2														
3														
4														
5														
6														
7	C	7.91	0.088	0.1689	0.0005	0.0005	0.0005	0.0698	0.1339	0.00613	0.0118	<0.1 ppm	230,100	
8													238,900	
9													229,700	
10													238,000	
11													234,500	
12													223,400	
13													233,500	
14													248,500	
15	C	8.45	0.112	0.2221	0.0005	0.0005	0.1654	0.0834	0.00636	0.0126		<0.1 ppm	237,800	
16													237,000	
17													232,700	
18													0	
19													0	
20													0	
21	C	8.59	0.146	0.2726	<0.0005	0.0005	0.1811	0.097	0.00567	0.0106		<0.1 ppm	223,900	
22													225,000	
23													842,000	
24													1,002,000	
25													898,100	
26													90,100	
27													467,700	
28													0	
29	C	8.39	0.246	0.2499	<0.0005	0.0003	0.0984	0.0969	0.00629	0.0064		<0.1 ppm	121,800	
30													120,500	
31													N/A	
													Total Monthly Flow (gallons)	10,445,400
													Maximum Daily Flow	1,049,300

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 gathered and evaluated 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  
Joan Kenton  
Date  
May 14, 2020

4/1/20

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

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Monthly Min pH 7.91  
Monthly Max pH 8.59





# Industrial Waste Program Monthly Self-Monitoring Report

Page 2 of 2

King County

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 2020 This form is available at [www.kingcounty.gov/industrialwaste](http://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												
5												
6												
7	C	0.00113	0.00217	<0.0001	0.0001	0.067	0.129	<0.0004	0.0004	0.0855	0.164	
8												
9												
10												
11												
12												
13												
14												
15	C	0.00117	0.00232	<0.0001	0.0001	0.0771	0.153	<0.0004	0.0004	0.1	0.198	
16												
17												
18												
19												
20												
21	C	0.00114	0.00213	<0.0001	0.0001	0.0889	0.166	<0.0004	0.0004	0.102	0.190	
22												
23												
24												
25												
26												
27												
28												
29	C	0.0017	0.00173	<0.0001	0.0001	0.0928	0.094	<0.0004	0.0002	0.115	0.117	
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.

Joan Kenton  
 Signature of Principal Executive or Authorized Agent  
 Date May 14, 2020

PLEASE CIRCLE ALL PERMIT VIOLATIONS

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



# Industrial Waste Program Monthly Self-Monitoring Report

King County

## 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: April 2020

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

All units are PPM unless otherwise noted.

Sample Date (circle)	H <sub>2</sub> S – Air MAX	H <sub>2</sub> S – Air Average	Active Discharge during MAX H <sub>2</sub> S reading? (Y/N)	Notes
1	0	0	Y	The Eagle was placed in R10-52 on 3/31 to ensure a full 24 hours of monitoring occurred on 4/1 – 4/7.
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				
9				
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		4/1/20-4/7/20	
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.

May 14, 2020

Date

Signature of Principal Executive or Authorized Agent

Jean Kenton

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: 04/15/2020  
Report Group: CHLS-P\_041420

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200407P  
SDG/Lab Sample ID: 15449 / L74393-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 04/07/2020  
LoginDate: 04/07/2020  
Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	.705		.0519	.0519		04/08/2020	04/08/2020	WG169422
Antimony, Total	10	mg/L	.00944		.00311	.00311		04/08/2020	04/08/2020	WG169422
Arsenic, Total	10	mg/L	.088		.000519	.000519	1	04/08/2020	04/08/2020	WG169422
Barium, Total	10	mg/L	.0994		.00519	.00519		04/08/2020	04/08/2020	WG169422
Beryllium, Total	10	mg/L	<.00104	U	.00104	.00104		04/08/2020	04/08/2020	WG169422
Cadmium, Total	10	mg/L	<.000519	U	.000519	.000519	0.5	04/08/2020	04/08/2020	WG169422
Calcium, Total	10	mg/L	99.2		.519	.519		04/08/2020	04/08/2020	WG169422
Chromium, Total	10	mg/L	.0698		.00208	.00208	2.75	04/08/2020	04/08/2020	WG169422
Cobalt, Total	10	mg/L	.0187		.000519	.000519		04/08/2020	04/08/2020	WG169422
Copper, Total	10	mg/L	.00813		.00208	.00208	3	04/08/2020	04/08/2020	WG169422
Iron, Total	10	mg/L	6.98		.104	.104		04/08/2020	04/08/2020	WG169422
Lead, Total	10	mg/L	.00113		.00104	.00104	2	04/08/2020	04/08/2020	WG169422
Magnesium, Total	10	mg/L	34		.519	.519		04/08/2020	04/08/2020	WG169422
Manganese, Total	10	mg/L	1.13		.00104	.00104		04/08/2020	04/08/2020	WG169422
Nickel, Total	10	mg/L	.067		.00104	.00104	2.5	04/08/2020	04/08/2020	WG169422
Phosphorus, Total	10	mg/L	3.98		1.04	1.04		04/08/2020	04/08/2020	WG169422
Potassium, Total	10	mg/L	189		1.04	1.04		04/08/2020	04/08/2020	WG169422
Selenium, Total	10	mg/L	<.000519	U	.000519	.000519		04/08/2020	04/08/2020	WG169422
Silver, Total	10	mg/L	<.000415	U	.000415	.000415	1	04/08/2020	04/08/2020	WG169422
Sodium, Total	10	mg/L	532		1.04	1.04		04/08/2020	04/08/2020	WG169422
Thallium, Total	10	mg/L	<.00104	U	.00104	.00104		04/08/2020	04/08/2020	WG169422
Tin, Total	10	mg/L	.00831		.00519	.00519		04/08/2020	04/08/2020	WG169422
Vanadium, Total	10	mg/L	.0223		.000778	.000778		04/08/2020	04/08/2020	WG169422
Zinc, Total	10	mg/L	.0855		.00519	.00519	5	04/08/2020	04/08/2020	WG169422
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		04/08/2020	04/08/2020	WG169424

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 04/21/2020  
Report Group: CHLS-P\_042220

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200415P  
SDG/Lab Sample ID: 15586 / L74394-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 04/15/2020  
LoginDate: 04/15/2020  
Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	.785		.0513	.0513		04/18/2020	04/18/2020	WG169459
Antimony, Total	10	mg/L	.0115		.00308	.00308		04/18/2020	04/18/2020	WG169459
Arsenic, Total	10	mg/L	.112		.000513	.000513	1	04/18/2020	04/18/2020	WG169459
Barium, Total	10	mg/L	.114		.00513	.00513		04/18/2020	04/18/2020	WG169459
Beryllium, Total	10	mg/L	<.00103	U	.00103	.00103		04/18/2020	04/18/2020	WG169459
Cadmium, Total	10	mg/L	<.000513	U	.000513	.000513	0.5	04/18/2020	04/18/2020	WG169459
Calcium, Total	10	mg/L	104		.513	.513		04/18/2020	04/18/2020	WG169459
Chromium, Total	10	mg/L	.0834		.00205	.00205	2.75	04/18/2020	04/18/2020	WG169459
Cobalt, Total	10	mg/L	.0215		.000513	.000513		04/18/2020	04/18/2020	WG169459
Copper, Total	10	mg/L	.00836		.00205	.00205	3	04/18/2020	04/18/2020	WG169459
Iron, Total	10	mg/L	7.25		.103	.103		04/18/2020	04/18/2020	WG169459
Lead, Total	10	mg/L	.00117		.00103	.00103	2	04/18/2020	04/18/2020	WG169459
Magnesium, Total	10	mg/L	40.1		.513	.513		04/18/2020	04/18/2020	WG169459
Manganese, Total	10	mg/L	1.18		.00103	.00103		04/18/2020	04/18/2020	WG169459
Nickel, Total	10	mg/L	.0771		.00103	.00103	2.5	04/18/2020	04/18/2020	WG169459
Phosphorus, Total	10	mg/L	4.69		1.03	1.03		04/18/2020	04/18/2020	WG169459
Potassium, Total	10	mg/L	227		1.03	1.03		04/18/2020	04/18/2020	WG169459
Selenium, Total	10	mg/L	<.000513	U	.00513	.00513		04/18/2020	04/18/2020	WG169459
Silver, Total	10	mg/L	<.00041	U	.00041	.00041	1	04/18/2020	04/18/2020	WG169459
Sodium, Total	10	mg/L	636		1.03	1.03		04/18/2020	04/18/2020	WG169459
Thallium, Total	10	mg/L	<.00103	U	.00103	.00103		04/18/2020	04/18/2020	WG169459
Tin, Total	10	mg/L	.00924		.00513	.00513		04/18/2020	04/18/2020	WG169459
Vanadium, Total	10	mg/L	.0298		.00077	.00077		04/18/2020	04/18/2020	WG169459
Zinc, Total	10	mg/L	.1		.00513	.00513	5	04/18/2020	04/18/2020	WG169459
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		04/18/2020	04/18/2020	WG169459

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 04/28/2020  
Report Group: CHLS-P\_042820

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200421P	CollectDate: 04/21/2020
SDG/Lab Sample ID: 15585 / L74395-1	LoginDate: 04/21/2020
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	.82		.0505	.0505		04/23/2020	04/23/2020	WG169504
Antimony, Total	10	mg/L	.0167		.00303	.00303		04/23/2020	04/23/2020	WG169504
Arsenic, Total	10	mg/L	.146		.000505	.000505	1	04/23/2020	04/23/2020	WG169504
Barium, Total	10	mg/L	.117		.00505	.00505		04/23/2020	04/23/2020	WG169504
Beryllium, Total	10	mg/L	<.00101	U	.00101	.00101		04/23/2020	04/23/2020	WG169504
Cadmium, Total	10	mg/L	<.000505	U	.000505	.000505	0.5	04/23/2020	04/23/2020	WG169504
Calcium, Total	10	mg/L	104		.505	.505		04/23/2020	04/23/2020	WG169504
Chromium, Total	10	mg/L	.097		.00202	.00202	2.75	04/23/2020	04/23/2020	WG169504
Cobalt, Total	10	mg/L	.0241		.000505	.000505		04/23/2020	04/23/2020	WG169504
Copper, Total	10	mg/L	.00587		.00202	.00202	3	04/23/2020	04/23/2020	WG169504
Iron, Total	10	mg/L	7.38		.101	.101		04/23/2020	04/23/2020	WG169504
Lead, Total	10	mg/L	.00114		.00101	.00101	2	04/23/2020	04/23/2020	WG169504
Magnesium, Total	10	mg/L	44.4		.505	.505		04/23/2020	04/23/2020	WG169504
Manganese, Total	10	mg/L	1.1		.00101	.00101		04/23/2020	04/23/2020	WG169504
Nickel, Total	10	mg/L	.0899		.00101	.00101	2.5	04/23/2020	04/23/2020	WG169504
Phosphorus, Total	10	mg/L	5.33		1.01	1.01		04/23/2020	04/23/2020	WG169504
Potassium, Total	10	mg/L	257		1.01	1.01		04/23/2020	04/23/2020	WG169504
Selenium, Total	10	mg/L	<.00505	U	.00505	.00505		04/23/2020	04/23/2020	WG169504
Silver, Total	10	mg/L	<.000404	U	.000404	.000404	1	04/23/2020	04/23/2020	WG169504
Sodium, Total	10	mg/L	719		1.01	1.01		04/23/2020	04/23/2020	WG169504
Thallium, Total	10	mg/L	<.00101	U	.00101	.00101		04/23/2020	04/23/2020	WG169504
Tin, Total	10	mg/L	.0113		.00505	.00505		04/23/2020	04/23/2020	WG169504
Vanadium, Total	10	mg/L	.0318		.000757	.000757		04/23/2020	04/23/2020	WG169504
Zinc, Total	10	mg/L	.102		.00505	.00505	5	04/23/2020	04/23/2020	WG169504
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		04/23/2020	04/23/2020	WG169508

Target Parameter Count for SDG: 25



# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 05/06/2020  
Report Group: CHLS-P\_050620

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200429P	CollectDate: 04/29/2020
SDG/Lab Sample ID: 15589 / L74411-1	LoginDate: 04/29/2020
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	.705		.0503	.0503		04/30/2020	04/30/2020	WG169568
Antimony, Total	10	mg/L	.0397		.00302	.00302		04/30/2020	04/30/2020	WG169568
Arsenic, Total	10	mg/L	.246		.000503	.000503	1	04/30/2020	04/30/2020	WG169568
Barium, Total	10	mg/L	.105		.00503	.00503		04/30/2020	04/30/2020	WG169568
Beryllium, Total	10	mg/L	<.00101	U	.00101	.00101		04/30/2020	04/30/2020	WG169568
Cadmium, Total	10	mg/L	<.000503	U	.000503	.000503	0.5	04/30/2020	04/30/2020	WG169568
Calcium, Total	10	mg/L	105		.503	.503		04/30/2020	04/30/2020	WG169568
Chromium, Total	10	mg/L	.0909		.00201	.00201	2.75	04/30/2020	04/30/2020	WG169568
Cobalt, Total	10	mg/L	.0248		.000503	.000503		04/30/2020	04/30/2020	WG169568
Copper, Total	10	mg/L	.00629		.00201	.00201	3	04/30/2020	04/30/2020	WG169568
Iron, Total	10	mg/L	7.99		.101	.101		04/30/2020	04/30/2020	WG169568
Lead, Total	10	mg/L	.0017		.00101	.00101	2	04/30/2020	04/30/2020	WG169568
Magnesium, Total	10	mg/L	45.1		.503	.503		04/30/2020	04/30/2020	WG169568
Manganese, Total	10	mg/L	.958		.00101	.00101		04/30/2020	04/30/2020	WG169568
Nickel, Total	10	mg/L	.0628		.00101	.00101	2.5	04/30/2020	04/30/2020	WG169568
Phosphorus, Total	10	mg/L	5.24		1.01	1.01		04/30/2020	04/30/2020	WG169568
Potassium, Total	10	mg/L	259		1.01	1.01		04/30/2020	04/30/2020	WG169568
Selenium, Total	10	mg/L	<.00503	U	.00503	.00503		04/30/2020	04/30/2020	WG169568
Silver, Total	10	mg/L	<.000403	U	.000403	.000403	1	04/30/2020	04/30/2020	WG169568
Sodium, Total	10	mg/L	717		1.01	1.01		04/30/2020	04/30/2020	WG169568
Thallium, Total	10	mg/L	<.00101	U	.00101	.00101		04/30/2020	04/30/2020	WG169568
Tin, Total	10	mg/L	.0114		.00503	.00503		04/30/2020	04/30/2020	WG169568
Vanadium, Total	10	mg/L	.0313		.000755	.000755		04/30/2020	04/30/2020	WG169568
Zinc, Total	10	mg/L	.115	D	.00503	.00503	5	04/30/2020	05/01/2020	WG169568
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		04/30/2020	04/30/2020	WG169571

Target Parameter Count for SDG: 25

## HYDROGEN SULFIDE GAS AT MANHOLE R10-52

Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	02/11/20 @ 14:05
Sample Count	Interval Time (sec)	Bump Test Date
23563	30	03/31/20 @ 08:53
H2S Readings		
Date	Daily Max	Daily Average
3/31/2020	0.0	0.0
4/1/2020	0.0	0.0
4/2/2020	0.0	0.0
4/3/2020	0.0	0.0
4/4/2020	0.0	0.0
4/5/2020	0.0	0.0
4/6/2020	0.0	0.0
4/7/2020	0.0	0.0

KING COUNTY SOLID WASTE DIVISION  
LEACHATE HAULING REPORT  
TANKER LOADS

MONTH: APRIL  
YEAR: 2020

DATE	BRIGHT			DUVALL			SPOK.			VASHON			HOBART			OTHER			REMARKS
	6000	7000		6000	7000		6000	7000		6000	7000		6000	7000		6000	7000		
LOAD																			
1																			
2			2.00																
3																			
4																			
5																			
6																			
7																			
8							1.00	1.00				2.00							
9																			
10																			
11																			
12																			
13																			
14			2.00																
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22			2.00									2.00							
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
TOTAL	0	42000.00		0	0.00		6000	7000.00		0	28000.00		0	0.00		0	0.00		0.00



## King County

### Solid Waste Division

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 701

Seattle, WA 98104-3855

**206-477-4466**

711 TTY Relay

[www.kingcounty.gov/solidwaste](http://www.kingcounty.gov/solidwaste)

June 11, 2020

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

FM: Colleen Christensen, Engineer III, Solid Waste Division

DS  
MC

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

The purpose of the memorandum is to enclose the Self-Monitoring Report for Cedar Hills (Permit Number 7842-03) for the month of May 2020. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 5/5/20, 5/12/20, 5/20/20, 5/27/20)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 5/11/20-5/21/20)
- Leachate Hauling Report (for May)

All monitoring results indicate compliance with discharge limits with one exception: one arsenic loading exceedance occurred at monitoring location A90021 during the month of May (5/12). KCIW was notified of this exceedance on 5/20. Details of this exceedance are provided in one 14-day report submitted on 6/1. The follow-up samples taken on 5/20 and 5/27 show a return to compliance.

Please contact me directly if you have any questions. I can be reached at (206) 263-1020, on my cell phone at (206) 512-7100, or by e-mail at [colleen.christensen@kingcounty.gov](mailto:colleen.christensen@kingcounty.gov).

Enclosures

cc: Glynda Steiner, Deputy Division Director, Solid Waste Division (SWD)  
Neil Fujii, Facilities Engineering and Science Section Manager, SWD  
Jennifer Keune, Environmental Compliance Coordinator, SWD  
Anne Holmes, Supervising Engineer, SWD  
Isabel McClure, Supervising Engineer, SWD  
Dan Swope, Engineer III, SWD  
Toraj Ghofrani, Engineer III, SWD  
Sandy Jimenez, Engineer II, SWD  
Nina Wester, Environmental Scientist 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: May 2020

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														
5	C	8.44	0.218	0.0989	0.0001	0.098	0.0445	0.00616	0.0028					
6														
7														
8														
9														
10														
11														
12	C	8.76	0.212	1.7117	0.0020	0.113	0.9124	0.00504	0.0407					
13														
14														
15														
16														
17														
18														
19														
20	C	8.36	0.185	0.1842	0.0002	0.104	0.1036	0.00549	0.0055					
21														
22														
23														
24														
25														
26														
27	C	8.27	0.158	0.1585	0.0003	0.0922	0.0925	0.00502	0.0050					
28														
29														
30														
31														

Signature of Principal Executive or Authorized Agent  
Date  
6/11/2020

DocSigned by:  
Washington State Department of Ecology accredited laboratory for each parameter tested.

Monthly Min pH  
Monthly Max pH

5/27/20  
5/12/20

Total Monthly Flow (gallons)  
Maximum Daily Flow

9,754,900  
1,057,400

PLEASE CIRCLE ALL PERMIT VIOLATIONS

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





# Industrial Waste Program Monthly Self-Monitoring Report

Page 2 of 2

King County

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

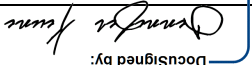
Company Name: King County SWD - Cedar Hills Landfill Sample Site No. A90021 Permit No.: 7842-03

Please Specify Month & Year: Month: May 2020 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												
5	C	0.0012	0.00054	<0.0001	0.0000	0.0938	0.043	<0.0004	0.0001	0.115	0.052	
6												
7												
8												
9												
10												
11												
12	C	0.00107	0.00864	<0.0001	0.0004	0.0968	0.782	<0.0004	0.0016	0.12	0.969	
13												
14												
15												
16												
17												
18												
19												
20	C	0.0012	0.00119	<0.0001	0.0000	0.098	0.098	<0.0004	0.0002	0.114	0.114	
21												
22												
23												
24												
25												
26												
27	C	0.0013	0.00130	<0.0001	0.0001	0.0817	0.082	<0.0004	0.0002	0.0931	0.093	
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.

DocuSign by: 

Signature of Principal Executive or Authorized Agent  
A/0EECBAC02F44A...  
Date  
6/11/2020

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

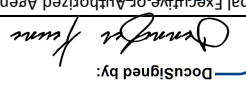
### H2S Monitoring

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](mailto: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: May 2020 This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

All units are PPM unless otherwise noted.

Sample Date (circle)	H <sub>2</sub> S – Air MAX	H <sub>2</sub> S – Air Average	Active Discharge during MAX H <sub>2</sub> S reading? (Y/N)	Notes
1				<div>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 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.</div> <div>Documented by:  Date: 6/11/2020</div> <div>Signature of Principal Executive or Authorized Agent</div>
2				
3				
4				
5				
6				
7				
8				
9				
10				
11	0.0	0.0	Y	
12	0.0	0.0	Y	
13	0.0	0.0	Y	
14	0.0	0.0	Y	
15	0.0	0.0	Y	
16	0.0	0.0	Y	
17	0.5	0.00052	N	
18	0.5	0.00035	Y	
19	0.0	0.0	Y	
20	0.0	0.0	Y	
21	1.0	0.00039	Y	
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				

Monthly MAX 1.0

Monthly AVG 0.0001

5/21/20

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: 05/12/2020  
Report Group: CHLS-P\_051220

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200505P	CollectDate: 05/05/2020
SDG/Lab Sample ID: 15593 / L74537-1	LoginDate: 05/05/2020
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	.679		.0491	.0491		05/08/2020	05/08/2020	WG169627
Antimony, Total	10	mg/L	.0337		.00295	.00295		05/08/2020	05/08/2020	WG169627
Arsenic, Total	10	mg/L	.218		.000491	.000491	1	05/08/2020	05/08/2020	WG169627
Barium, Total	10	mg/L	.102		.00491	.00491		05/08/2020	05/08/2020	WG169627
Beryllium, Total	10	mg/L	<.000982	U	.000982	.000982		05/08/2020	05/08/2020	WG169627
Cadmium, Total	10	mg/L	<.000491	U	.000491	.000491	0.5	05/08/2020	05/08/2020	WG169627
Calcium, Total	10	mg/L	99.3		.491	.491		05/08/2020	05/08/2020	WG169627
Chromium, Total	10	mg/L	.098		.00196	.00196	2.75	05/08/2020	05/08/2020	WG169627
Cobalt, Total	10	mg/L	.0253		.000491	.000491		05/08/2020	05/08/2020	WG169627
Copper, Total	10	mg/L	.00616		.00196	.00196	3	05/08/2020	05/08/2020	WG169627
Iron, Total	10	mg/L	7.66		.0982	.0982		05/08/2020	05/08/2020	WG169627
Lead, Total	10	mg/L	.0012		.000982	.000982	2	05/08/2020	05/08/2020	WG169627
Magnesium, Total	10	mg/L	46.1		.491	.491		05/08/2020	05/08/2020	WG169627
Manganese, Total	10	mg/L	.862		.000982	.000982		05/08/2020	05/08/2020	WG169627
Nickel, Total	10	mg/L	.0938		.000982	.000982	2.5	05/08/2020	05/08/2020	WG169627
Phosphorus, Total	10	mg/L	5.27	D	.982	.982		05/08/2020	05/11/2020	WG169627
Potassium, Total	10	mg/L	254		.982	.982		05/08/2020	05/08/2020	WG169627
Selenium, Total	10	mg/L	<.00491	U	.00491	.00491		05/08/2020	05/08/2020	WG169627
Silver, Total	10	mg/L	<.000393	U	.000393	.000393	1	05/08/2020	05/08/2020	WG169627
Sodium, Total	10	mg/L	742		.982	.982		05/08/2020	05/08/2020	WG169627
Thallium, Total	10	mg/L	<.000982	U	.000982	.000982		05/08/2020	05/08/2020	WG169627
Tin, Total	10	mg/L	.011		.00491	.00491		05/08/2020	05/08/2020	WG169627
Vanadium, Total	10	mg/L	.0311		.000737	.000737		05/08/2020	05/08/2020	WG169627
Zinc, Total	10	mg/L	.115		.00491	.00491	5	05/08/2020	05/08/2020	WG169627
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		05/07/2020	05/08/2020	WG169649

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 05/20/2020  
Report Group: CHLS-P\_052020

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200513P	CollectDate: 05/12/2020
SDG/Lab Sample ID: 15544 / L74538-1	LoginDate: 05/13/2020
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	.537		.052	.052		05/14/2020	05/14/2020	WG100097
Antimony, Total	10	mg/L	.0324		.00312	.00312		05/14/2020	05/14/2020	WG100097
Arsenic, Total	10	mg/L	.212		.00052	.00052	1	05/14/2020	05/14/2020	WG100097
Barium, Total	10	mg/L	.0978		.0052	.0052		05/14/2020	05/14/2020	WG100097
Beryllium, Total	10	mg/L	<.00104	U	.00104	.00104		05/14/2020	05/14/2020	WG100097
Cadmium, Total	10	mg/L	<.00052	U	.00052	.00052	0.5	05/14/2020	05/14/2020	WG100097
Calcium, Total	10	mg/L	92.9		.52	.52		05/14/2020	05/14/2020	WG100097
Chromium, Total	10	mg/L	.113		.00208	.00208	2.75	05/14/2020	05/14/2020	WG100097
Cobalt, Total	10	mg/L	.0255		.00052	.00052		05/14/2020	05/14/2020	WG100097
Copper, Total	10	mg/L	.00504		.00208	.00208	3	05/14/2020	05/14/2020	WG100097
Iron, Total	10	mg/L	7.3		.104	.104		05/14/2020	05/14/2020	WG100097
Lead, Total	10	mg/L	.00107		.00104	.00104	2	05/14/2020	05/14/2020	WG100097
Magnesium, Total	10	mg/L	49.6		.52	.52		05/14/2020	05/14/2020	WG100097
Manganese, Total	10	mg/L	.673		.00104	.00104		05/14/2020	05/14/2020	WG100097
Nickel, Total	10	mg/L	.0968		.00104	.00104	2.5	05/14/2020	05/14/2020	WG100097
Phosphorus, Total	10	mg/L	5.62		1.04	1.04		05/14/2020	05/14/2020	WG100097
Potassium, Total	10	mg/L	284		1.04	1.04		05/14/2020	05/14/2020	WG100097
Selenium, Total	10	mg/L	<.00052	U	.00052	.00052		05/14/2020	05/14/2020	WG100097
Silver, Total	10	mg/L	<.000416	U	.000416	.000416	1	05/14/2020	05/14/2020	WG100097
Sodium, Total	10	mg/L	825		1.04	1.04		05/14/2020	05/14/2020	WG100097
Thallium, Total	10	mg/L	<.00104	U	.00104	.00104		05/14/2020	05/14/2020	WG100097
Tin, Total	10	mg/L	.0128		.0052	.0052		05/14/2020	05/14/2020	WG100097
Vanadium, Total	10	mg/L	.0333		.000781	.000781		05/14/2020	05/14/2020	WG100097
Zinc, Total	10	mg/L	.12		.0052	.0052	5	05/14/2020	05/14/2020	WG100097
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		05/14/2020	05/14/2020	WG100702

Target Parameter Count for SDG: 25



## King County Environmental Laboratory

Client: King County Division of Solid Waste  
 Date Reported: 05/27/2020  
 Report Group: CHLS-P\_052720

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: LEPS200520P	CollectDate: 05/20/2020
SDG/Lab Sample ID: 15604 / L74539-1	LoginDate: 05/20/2020
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	.67		.0515	.0515		05/21/2020	05/21/2020	WG169774
Antimony, Total	10	mg/L	.0259		.00309	.00309		05/21/2020	05/21/2020	WG169774
Arsenic, Total	10	mg/L	.185		.000515	.000515	1	05/21/2020	05/21/2020	WG169774
Barium, Total	10	mg/L	.0897		.00515	.00515		05/21/2020	05/21/2020	WG169774
Beryllium, Total	10	mg/L	<.00103	U	.00103	.00103		05/21/2020	05/21/2020	WG169774
Cadmium, Total	10	mg/L	<.000515	U	.000515	.000515	0.5	05/21/2020	05/21/2020	WG169774
Calcium, Total	10	mg/L	88.2		.515	.515		05/21/2020	05/21/2020	WG169774
Chromium, Total	10	mg/L	.104		.00206	.00206	2.75	05/21/2020	05/21/2020	WG169774
Cobalt, Total	10	mg/L	.0256		.000515	.000515		05/21/2020	05/21/2020	WG169774
Copper, Total	10	mg/L	.00549		.00206	.00206	3	05/21/2020	05/21/2020	WG169774
Iron, Total	10	mg/L	7.05		.103	.103		05/21/2020	05/21/2020	WG169774
Lead, Total	10	mg/L	.0012		.00103	.00103	2	05/21/2020	05/21/2020	WG169774
Magnesium, Total	10	mg/L	47.1		.515	.515		05/21/2020	05/21/2020	WG169774
Manganese, Total	10	mg/L	.685		.00103	.00103		05/21/2020	05/21/2020	WG169774
Nickel, Total	10	mg/L	.098		.00103	.00103	2.5	05/21/2020	05/21/2020	WG169774
Phosphorus, Total	10	mg/L	5.17		1.03	1.03		05/21/2020	05/21/2020	WG169774
Potassium, Total	10	mg/L	279		1.03	1.03		05/21/2020	05/21/2020	WG169774
Selenium, Total	10	mg/L	<.000515	U	.000515	.000515		05/21/2020	05/21/2020	WG169774
Silver, Total	10	mg/L	<.000412	U	.000412	.000412	1	05/21/2020	05/21/2020	WG169774
Sodium, Total	10	mg/L	782		1.03	1.03		05/21/2020	05/21/2020	WG169774
Thallium, Total	10	mg/L	<.00103	U	.00103	.00103		05/21/2020	05/21/2020	WG169774
Tin, Total	10	mg/L	.0113		.00515	.00515		05/21/2020	05/21/2020	WG169774
Vanadium, Total	10	mg/L	.0325		.000772	.000772		05/21/2020	05/21/2020	WG169774
Zinc, Total	10	mg/L	.114		.00515	.00515	5	05/21/2020	05/21/2020	WG169774
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		05/21/2020	05/22/2020	WG169784

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 06/03/2020  
Report Group: CHLS-P\_060320

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200527P	CollectDate: 05/27/2020
SDG/Lab Sample ID: 15609 / L74540-1	LoginDate: 05/27/2020
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	.672		.0497	.0497		05/28/2020	05/28/2020	WG169859
Antimony, Total	10	mg/L	.023		.00298	.00298		05/28/2020	05/28/2020	WG169859
Arsenic, Total	10	mg/L	.158		.000497	.000497	1	05/28/2020	05/28/2020	WG169859
Barium, Total	10	mg/L	.0837		.00497	.00497		05/28/2020	05/28/2020	WG169859
Beryllium, Total	10	mg/L	<.000995	U	.000995	.000995		05/28/2020	05/28/2020	WG169859
Cadmium, Total	10	mg/L	<.000497	U	.000497	.000497	0.5	05/28/2020	05/28/2020	WG169859
Calcium, Total	10	mg/L	84.5		.497	.497		05/28/2020	05/28/2020	WG169859
Chromium, Total	10	mg/L	.0922		.00199	.00199	2.75	05/28/2020	05/28/2020	WG169859
Cobalt, Total	10	mg/L	.0218		.000497	.000497		05/28/2020	05/28/2020	WG169859
Copper, Total	10	mg/L	.00502		.00199	.00199	3	05/28/2020	05/28/2020	WG169859
Iron, Total	10	mg/L	6.73		.0995	.0995		05/28/2020	05/28/2020	WG169859
Lead, Total	10	mg/L	.0013		.000995	.000995	2	05/28/2020	05/28/2020	WG169859
Magnesium, Total	10	mg/L	42.9		.497	.497		05/28/2020	05/28/2020	WG169859
Manganese, Total	10	mg/L	.674		.000995	.000995		05/28/2020	05/28/2020	WG169859
Nickel, Total	10	mg/L	.0817		.000995	.000995	2.5	05/28/2020	05/28/2020	WG169859
Phosphorus, Total	10	mg/L	4.11		.995	.995		05/28/2020	05/28/2020	WG169859
Potassium, Total	10	mg/L	241		.995	.995		05/28/2020	05/28/2020	WG169859
Selenium, Total	10	mg/L	<.00497	U	.00497	.00497		05/28/2020	05/28/2020	WG169859
Silver, Total	10	mg/L	<.000398	U	.000398	.000398	1	05/28/2020	05/28/2020	WG169859
Sodium, Total	10	mg/L	691		.995	.995		05/28/2020	05/28/2020	WG169859
Thallium, Total	10	mg/L	<.000995	U	.000995	.000995		05/28/2020	05/28/2020	WG169859
Tin, Total	10	mg/L	.00991		.00497	.00497		05/28/2020	05/28/2020	WG169859
Vanadium, Total	10	mg/L	.0293		.000746	.000746		05/28/2020	05/28/2020	WG169859
Zinc, Total	10	mg/L	.0931		.00497	.00497	5	05/28/2020	05/28/2020	WG169859
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		05/30/2020	05/31/2020	WG169905

Target Parameter Count for SDG: 25

## HYDROGEN SULFIDE GAS AT MANHOLE R10-52

Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	5/11/20 @ 12:39
Sample Count	Interval Time (sec)	Bump Test Date
28918	30	5/11/20 @ 12:46
H2S Readings		
Date	Daily Max	Daily Average
5/11/2020	0.0	0.0
5/12/2020	0.0	0.0
5/13/2020	0.0	0.0
5/14/2020	0.0	0.0
5/15/2020	0.0	0.0
5/16/2020	0.0	0.0
5/17/2020	0.5	0.00052
5/18/2020	0.5	0.00035
5/19/2020	0.0	0.0
5/20/2020	0.0	0.0
5/21/2020	1.0	0.00039

**KING COUNTY SOLID WASTE DIVISION**  
LEACHATE HAULING REPORT  
TANKER LOADS

MONTH: MAY  
YEAR: 2020

	DUVALL						VASHON				HOBART		OTHER		
DATE	BRIGHT		C.H.		SPOK.		SPOK.		C.H.		C.H.		C.H.		REMARKS
LOAD	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	
1															
2															
3															
4															
5															
6															
7															
8		1.00		1.00											
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31			2.00												
TOTAL	0	7000.00	12000	7000.00	0	0.00	0	0.00	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 701

Seattle, WA 98104-3855

**206-296-6542** Fax 206-296-0197

TTY Relay: 711

July 15, 2020

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

FM: Colleen Christensen, Engineer III, Solid Waste Division *NW For CC*

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

The purpose of the memorandum is to enclose the Self-Monitoring Report for Cedar Hills (Permit Number 7842-03) for the month of June 2020. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 6/3/20, 6/9/20, 6/17/20, 6/23/20, and 6/30/20)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 6/1/20-6/9/20)
- Leachate Hauling Report (for June)

All monitoring results indicate compliance with discharge limits with one exception: one arsenic loading exceedance occurred at monitoring location A90021 during the month of June (6/9). KCIW was notified of this exceedance on 6/19. Details of this exceedance are provided in one 14-day report, submitted on 7/2. The follow-up samples taken on 6/17, 6/23 and 6/30 show a return to compliance.

Please contact me directly if you have any questions. I can be reached at (206) 263-1020, on my cell phone at (206) 512-7100, or by e-mail at [colleen.christensen@kingcounty.gov](mailto:colleen.christensen@kingcounty.gov).

Enclosures

cc: Glynda Steiner, Deputy Division Director, Solid Waste Division (SWD)  
Neil Fujii, Facilities Engineering and Science Section Manager, SWD  
Jennifer Keune, Environmental Compliance Coordinator, SWD  
Anne Holmes, Supervising Engineer, SWD  
Isabel McClure, Acting Supervising Engineer, SWD  
Dan Swope, Engineer III, SWD  
Toraj Ghofrani, Engineer III, SWD  
Sandy Jimenez, Engineer II, SWD  
Nina Wester, Environmental Scientist II, SWD



Permit No.: 7842-03

Sample Site No. A90021

## King County SWD - Cedar Hills Landfill

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

2020


Month: June

***Please Specify Month & Year:***

\* Sample Type(s) 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												427,800	
2												428,600	
3	C	8.45	0.142	0.1689	<0.0005	0.0003	0.0922	0.1097	0.00532	0.0063	<0.1 ppm	142,600	
4												95,200	
5												1,043,400	
6												429,800	
7												415,700	
8												960,300	
9	C	8.37	0.14	0.6369	<0.0005	0.0011	0.0947	0.4308	0.00646	0.0294	<0.1 ppm	545,500	
10												1,018,200	
11												897,400	
12												193,400	
13												226,400	
14												741,900	
15												737,500	
16												121,100	
17	C	8.22	0.106	0.1158	<0.0005	0.0003	0.0764	0.0835	0.00736	0.0080	<0.1 ppm	131,000	
18												112,900	
19												114,100	
20												413,400	
21												427,600	
22												824,800	
23	C	8.22	0.112	0.0892	<0.0005	0.0002	0.079	0.0629	0.00643	0.0051	<0.1 ppm	95,500	
24												119,300	
25												118,400	
26												116,000	
27												118,200	
28												118,100	
29												116,200	
30	C	8.41	0.127	0.1232	<0.0005	0.0002	0.0898	0.0871	0.00569	0.0055	<0.1 ppm	116,300	
31												N/A	

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.

  
 Jennifer Keane  
 Signature of Principal Executive or Authorized Agent

Date  
July 15, 2020

11,366,600

1,043,400

Maximum Daily Flow

6/3/20

6/3/20

8.45

8.45

Monthly Max pH

Monthly Max pH

6/5/20





## 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 2020 This form is available at [www.kingcounty.gov/industrialwaste](http://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	C	0.00132	0.00157	<0.0001	0.0001	0.0846	0.101	<0.0004	0.0002	0.0896	0.107	
4												
5												
6												
7												
8												
9	C	0.00141	0.00641	<0.0001	0.0002	0.0865	0.394	<0.0004	0.0009	0.105	0.478	
10												
11												
12												
13												
14												
15												
16												
17	C	0.00139	0.00152	<0.0001	0.0001	0.0676	0.074	<0.0004	0.0002	0.0876	0.096	
18												
19												
20												
21												
22												
23	C	0.00116	0.00092	<0.0001	0.0000	0.0743	0.059	<0.0004	0.0002	0.0949	0.076	
24												
25												
26												
27												
28												
29												
30	C	0.00113	0.00110	<0.0001	0.0000	0.0824	0.080	<0.0004	0.0002	0.124	0.120	
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.

Signature of Principal Executive or Authorized Agent  
Date July 15, 2020



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: June 2020

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

All units are PPM unless otherwise noted.

Sample Date (circle)	H <sub>2</sub> S - Air MAX	H <sub>2</sub> S - Air Average	Active Discharge during MAX H <sub>2</sub> S reading? (Y/N)	Notes
1	0.0	0.0	Y	
2	0.0	0.0	Y	
3	0.0	0.0	Y	
4	0.0	0.0	Y	
5	3.0	0.00816	Y	
6	0.0	0.0	Y	
7	3.0	0.02951	Y	
8	0.0	0.0	Y	
9	0.0	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				

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  
Date July 15, 2020



Monthly <b>MAX</b>	3.0
Monthly <b>AVG</b>	0.00419

PLEASE CIRCLE ALL PERMIT VIOLATIONS

6/5/20, 6/7/20

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

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
 Date Reported: 06/09/2020  
 Report Group: CHLS-P\_061020

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: LEPS200603P	CollectDate: 06/03/2020
SDG/Lab Sample ID: 15614 / L74733-1	LoginDate: 06/03/2020
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	.707		.0525	.0525		06/04/2020	06/05/2020	WG169939
Antimony, Total	10	mg/L	.0197		.00315	.00315		06/04/2020	06/05/2020	WG169939
Arsenic, Total	10	mg/L	.142		.000525	.000525	1	06/04/2020	06/05/2020	WG169939
Barium, Total	10	mg/L	.0827		.00525	.00525		06/04/2020	06/05/2020	WG169939
Beryllium, Total	10	mg/L	<.00105	U	.00105	.00105		06/04/2020	06/05/2020	WG169939
Cadmium, Total	10	mg/L	<.000525	U	.000525	.000525	0.5	06/04/2020	06/05/2020	WG169939
Calcium, Total	10	mg/L	81.4		.525	.525		06/04/2020	06/05/2020	WG169939
Chromium, Total	10	mg/L	.0922		.0021	.0021	2.75	06/04/2020	06/05/2020	WG169939
Cobalt, Total	10	mg/L	.0226		.000525	.000525		06/04/2020	06/05/2020	WG169939
Copper, Total	10	mg/L	.00532		.0021	.0021	3	06/04/2020	06/05/2020	WG169939
Iron, Total	10	mg/L	6.57		.105	.105		06/04/2020	06/05/2020	WG169939
Lead, Total	10	mg/L	.00132		.00105	.00105	2	06/04/2020	06/05/2020	WG169939
Magnesium, Total	10	mg/L	42.4		.525	.525		06/04/2020	06/05/2020	WG169939
Manganese, Total	10	mg/L	.679		.00105	.00105		06/04/2020	06/05/2020	WG169939
Nickel, Total	10	mg/L	.0846		.00105	.00105	2.5	06/04/2020	06/05/2020	WG169939
Phosphorus, Total	10	mg/L	4.1		1.05	1.05		06/04/2020	06/05/2020	WG169939
Potassium, Total	10	mg/L	237		1.05	1.05		06/04/2020	06/05/2020	WG169939
Selenium, Total	10	mg/L	<.00525	U	.00525	.00525		06/04/2020	06/05/2020	WG169939
Silver, Total	10	mg/L	<.00042	U	.00042	.00042	1	06/04/2020	06/05/2020	WG169939
Sodium, Total	10	mg/L	675		1.05	1.05		06/04/2020	06/05/2020	WG169939
Thallium, Total	10	mg/L	<.00105	U	.00105	.00105		06/04/2020	06/05/2020	WG169939
Tin, Total	10	mg/L	.0107		.00525	.00525		06/04/2020	06/05/2020	WG169939
Vanadium, Total	10	mg/L	.0286		.000787	.000787		06/04/2020	06/05/2020	WG169939
Zinc, Total	10	mg/L	.0896		.00525	.00525	5	06/04/2020	06/05/2020	WG169939
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		06/05/2020	06/06/2020	WG169994

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
 Date Reported: 06/17/2020  
 Report Group: CHLS-P\_061620

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: LEPS200609P  
 SDG/Lab Sample ID: 15622 / L74734-1  
 Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 06/09/2020  
 LoginDate: 06/09/2020  
 Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	.89		.0512	.0512		06/10/2020	06/10/2020	WG170026
Antimony, Total	10	mg/L	.0196		.00307	.00307		06/10/2020	06/10/2020	WG170026
Arsenic, Total	10	mg/L	.14		.000512	.000512	1	06/10/2020	06/10/2020	WG170026
Barium, Total	10	mg/L	.0937		.00512	.00512		06/10/2020	06/10/2020	WG170026
Beryllium, Total	10	mg/L	<.00102	U	.00102	.00102		06/10/2020	06/10/2020	WG170026
Cadmium, Total	10	mg/L	<.000512	U	.000512	.000512	0.5	06/10/2020	06/10/2020	WG170026
Calcium, Total	10	mg/L	88.3		.512	.512		06/10/2020	06/10/2020	WG170026
Chromium, Total	10	mg/L	.0947		.00205	.00205	2.75	06/10/2020	06/10/2020	WG170026
Cobalt, Total	10	mg/L	.0231		.000512	.000512		06/10/2020	06/10/2020	WG170026
Copper, Total	10	mg/L	.00646		.00205	.00205	3	06/10/2020	06/10/2020	WG170026
Iron, Total	10	mg/L	7.64		.102	.102		06/10/2020	06/10/2020	WG170026
Lead, Total	10	mg/L	.00141		.00102	.00102	2	06/10/2020	06/10/2020	WG170026
Magnesium, Total	10	mg/L	43.4		.512	.512		06/10/2020	06/10/2020	WG170026
Manganese, Total	10	mg/L	.87		.00102	.00102		06/10/2020	06/10/2020	WG170026
Nickel, Total	10	mg/L	.0865		.00102	.00102	2.5	06/10/2020	06/10/2020	WG170026
Phosphorus, Total	10	mg/L	4.7		1.02	1.02		06/10/2020	06/10/2020	WG170026
Potassium, Total	10	mg/L	239		1.02	1.02		06/10/2020	06/10/2020	WG170026
Selenium, Total	10	mg/L	<.00512	U	.00512	.00512		06/10/2020	06/10/2020	WG170026
Silver, Total	10	mg/L	<.000409	U	.000409	.000409	1	06/10/2020	06/10/2020	WG170026
Sodium, Total	10	mg/L	686		1.02	1.02		06/10/2020	06/10/2020	WG170026
Thallium, Total	10	mg/L	<.00102	U	.00102	.00102		06/10/2020	06/10/2020	WG170026
Tin, Total	10	mg/L	.0108		.00512	.00512		06/10/2020	06/10/2020	WG170026
Vanadium, Total	10	mg/L	.0296		.000768	.000768		06/10/2020	06/10/2020	WG170026
Zinc, Total	10	mg/L	.105		.00512	.00512	5	06/10/2020	06/10/2020	WG170026
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		06/11/2020	06/12/2020	WG170066

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 06/24/2020  
Report Group: CHLS-P\_062420

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200617P  
SDG/Lab Sample ID: 15624 / L74735-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 06/17/2020  
LoginDate: 06/17/2020  
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		.0503	.0503		06/18/2020	06/18/2020	WG170210
Antimony, Total	10	mg/L	.0137		.00302	.00302		06/18/2020	06/18/2020	WG170210
Arsenic, Total	10	mg/L	.106		.000503	.000503	1	06/18/2020	06/18/2020	WG170210
Barium, Total	10	mg/L	.0921		.00503	.00503		06/18/2020	06/18/2020	WG170210
Beryllium, Total	10	mg/L	<.00101	U	.00101	.00101		06/18/2020	06/18/2020	WG170210
Cadmium, Total	10	mg/L	<.000503	U	.000503	.000503	0.5	06/18/2020	06/18/2020	WG170210
Calcium, Total	10	mg/L	81.7		.503	.503		06/18/2020	06/18/2020	WG170210
Chromium, Total	10	mg/L	.0764		.00201	.00201	2.75	06/18/2020	06/18/2020	WG170210
Cobalt, Total	10	mg/L	.0191		.000503	.000503		06/18/2020	06/18/2020	WG170210
Copper, Total	10	mg/L	.00736		.00201	.00201	3	06/18/2020	06/18/2020	WG170210
Iron, Total	10	mg/L	7.47		.101	.101		06/18/2020	06/18/2020	WG170210
Lead, Total	10	mg/L	.00139		.00101	.00101	2	06/18/2020	06/18/2020	WG170210
Magnesium, Total	10	mg/L	36.3		.503	.503		06/18/2020	06/18/2020	WG170210
Manganese, Total	10	mg/L	.928		.00101	.00101		06/18/2020	06/18/2020	WG170210
Nickel, Total	10	mg/L	.0676		.00101	.00101	2.5	06/18/2020	06/18/2020	WG170210
Phosphorus, Total	10	mg/L	3.93		1.01	1.01		06/18/2020	06/18/2020	WG170210
Potassium, Total	10	mg/L	190		1.01	1.01		06/18/2020	06/18/2020	WG170210
Selenium, Total	10	mg/L	<.00503	U	.00503	.00503		06/18/2020	06/18/2020	WG170210
Silver, Total	10	mg/L	<.000402	U	.000402	.000402	1	06/18/2020	06/18/2020	WG170210
Sodium, Total	10	mg/L	536		1.01	1.01		06/18/2020	06/18/2020	WG170210
Thallium, Total	10	mg/L	<.00101	U	.00101	.00101		06/18/2020	06/18/2020	WG170210
Tin, Total	10	mg/L	.00881		.00503	.00503		06/18/2020	06/18/2020	WG170210
Vanadium, Total	10	mg/L	.0236	D	.000754	.000754		06/18/2020	06/19/2020	WG170210
Zinc, Total	10	mg/L	.0876		.00503	.00503	5	06/18/2020	06/18/2020	WG170210
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		06/18/2020	06/20/2020	WG170215

Client Sample ID: LEPS200617F  
SDG/Lab Sample ID: 15624 / L74736-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 06/17/2020  
LoginDate: 06/17/2020  
Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	<.0492	U	.0492	.0492		06/18/2020	06/18/2020	WG170210
Antimony, Total	10	mg/L	<.00295	U	.00295	.00295		06/18/2020	06/18/2020	WG170210
Arsenic, Total	10	mg/L	<.000492	U	.000492	.000492	1	06/18/2020	06/18/2020	WG170210
Barium, Total	10	mg/L	<.00492	U	.00492	.00492		06/18/2020	06/18/2020	WG170210
Beryllium, Total	10	mg/L	<.000984	U	.000984	.000984		06/18/2020	06/18/2020	WG170210
Cadmium, Total	10	mg/L	<.000492	U	.000492	.000492	0.5	06/18/2020	06/18/2020	WG170210
Calcium, Total	10	mg/L	<.492	U	.492	.492		06/18/2020	06/18/2020	WG170210
Chromium, Total	10	mg/L	<.00197	U	.00197	.00197	2.75	06/18/2020	06/18/2020	WG170210
Cobalt, Total	10	mg/L	<.000492	U	.000492	.000492		06/18/2020	06/18/2020	WG170210
Copper, Total	10	mg/L	<.00197	U	.00197	.00197	3	06/18/2020	06/18/2020	WG170210
Iron, Total	10	mg/L	<.0984	U	.0984	.0984		06/18/2020	06/18/2020	WG170210
Lead, Total	10	mg/L	<.000984	U	.000984	.000984	2	06/18/2020	06/18/2020	WG170210
Magnesium, Total	10	mg/L	<.492	U	.492	.492		06/18/2020	06/18/2020	WG170210
Manganese, Total	10	mg/L	<.000984	U	.000984	.000984		06/18/2020	06/18/2020	WG170210



# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 07/01/2020  
Report Group: CHLS-P\_063020

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200623P	CollectDate: 06/23/2020
SDG/Lab Sample ID: 15629 / L74735-2	LoginDate: 06/23/2020
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	.762		.0511	.0511		06/25/2020	06/25/2020	WG170310
Antimony, Total	10	mg/L	.013		.00306	.00306		06/25/2020	06/25/2020	WG170310
Arsenic, Total	10	mg/L	.112		.000511	.000511	1	06/25/2020	06/25/2020	WG170310
Barium, Total	10	mg/L	.0855		.00511	.00511		06/25/2020	06/25/2020	WG170310
Beryllium, Total	10	mg/L	<.00102	U	.00102	.00102		06/25/2020	06/25/2020	WG170310
Cadmium, Total	10	mg/L	<.000511	U	.000511	.000511	0.5	06/25/2020	06/25/2020	WG170310
Calcium, Total	10	mg/L	82		.511	.511		06/25/2020	06/25/2020	WG170310
Chromium, Total	10	mg/L	.079		.00204	.00204	2.75	06/25/2020	06/25/2020	WG170310
Cobalt, Total	10	mg/L	.0195		.000511	.000511		06/25/2020	06/25/2020	WG170310
Iron, Total	10	mg/L	7.25		.102	.102		06/25/2020	06/25/2020	WG170310
Lead, Total	10	mg/L	.00116		.00102	.00102	2	06/25/2020	06/25/2020	WG170310
Magnesium, Total	10	mg/L	36.9		.511	.511		06/25/2020	06/25/2020	WG170310
Manganese, Total	10	mg/L	.849		.00102	.00102		06/25/2020	06/25/2020	WG170310
Nickel, Total	10	mg/L	.0743		.00102	.00102	2.5	06/25/2020	06/25/2020	WG170310
Potassium, Total	10	mg/L	200		1.02	1.02		06/25/2020	06/25/2020	WG170310
Selenium, Total	10	mg/L	<.00511	U	.00511	.00511		06/25/2020	06/25/2020	WG170310
Silver, Total	10	mg/L	<.000408	U	.000408	.000408	1	06/25/2020	06/25/2020	WG170310
Sodium, Total	10	mg/L	567		1.02	1.02		06/25/2020	06/25/2020	WG170310
Thallium, Total	10	mg/L	<.00102	U	.00102	.00102		06/25/2020	06/25/2020	WG170310
Tin, Total	10	mg/L	.00993		.00511	.00511		06/25/2020	06/25/2020	WG170310
Vanadium, Total	10	mg/L	.025		.000766	.000766		06/25/2020	06/25/2020	WG170310
Zinc, Total	10	mg/L	.0949		.00511	.00511	5	06/25/2020	06/25/2020	WG170310
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		06/25/2020	06/25/2020	WG170324
Copper, Total	10	mg/L	.00643		.002	.002	3	06/26/2020	06/26/2020	WG170382
Phosphorus, Total	10	mg/L	3.9		.998	.998		06/26/2020	06/26/2020	WG170382

Target Parameter Count for SDG: 25



# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 07/07/2020  
Report Group: CHLS-P\_070720

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200630P	CollectDate: 06/30/2020
SDG/Lab Sample ID: 15703 / L74737-1	LoginDate: 06/30/2020
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	.479		.051	.051		07/01/2020	07/01/2020	WG170411
Antimony, Total	10	mg/L	.0141		.00306	.00306		07/01/2020	07/01/2020	WG170411
Arsenic, Total	10	mg/L	.127		.00051	.00051	1	07/01/2020	07/01/2020	WG170411
Barium, Total	10	mg/L	.0861		.0051	.0051		07/01/2020	07/01/2020	WG170411
Beryllium, Total	10	mg/L	<.00102	U	.00102	.00102		07/01/2020	07/01/2020	WG170411
Cadmium, Total	10	mg/L	<.00051	U	.00051	.00051	0.5	07/01/2020	07/01/2020	WG170411
Calcium, Total	10	mg/L	81.1		.51	.51		07/01/2020	07/01/2020	WG170411
Chromium, Total	10	mg/L	.0898		.00204	.00204	2.75	07/01/2020	07/01/2020	WG170411
Cobalt, Total	10	mg/L	.0222		.00051	.00051		07/01/2020	07/01/2020	WG170411
Copper, Total	10	mg/L	.00569		.00204	.00204	3	07/01/2020	07/01/2020	WG170411
Iron, Total	10	mg/L	7.63		.102	.102		07/01/2020	07/01/2020	WG170411
Lead, Total	10	mg/L	.00113		.00102	.00102	2	07/01/2020	07/01/2020	WG170411
Magnesium, Total	10	mg/L	41.6		.51	.51		07/01/2020	07/01/2020	WG170411
Manganese, Total	10	mg/L	.666		.00102	.00102		07/01/2020	07/01/2020	WG170411
Nickel, Total	10	mg/L	.0824		.00102	.00102	2.5	07/01/2020	07/01/2020	WG170411
Phosphorus, Total	10	mg/L	3.93		1.02	1.02		07/01/2020	07/01/2020	WG170411
Potassium, Total	10	mg/L	228		1.02	1.02		07/01/2020	07/01/2020	WG170411
Selenium, Total	10	mg/L	<.0051	U	.0051	.0051		07/01/2020	07/01/2020	WG170411
Silver, Total	10	mg/L	<.000408	U	.000408	.000408	1	07/01/2020	07/01/2020	WG170411
Sodium, Total	10	mg/L	661		1.02	1.02		07/01/2020	07/01/2020	WG170411
Thallium, Total	10	mg/L	<.00102	U	.00102	.00102		07/01/2020	07/01/2020	WG170411
Tin, Total	10	mg/L	.01		.0051	.0051		07/01/2020	07/01/2020	WG170411
Vanadium, Total	10	mg/L	.0282		.000765	.000765		07/01/2020	07/01/2020	WG170411
Zinc, Total	10	mg/L	.124		.0051	.0051	5	07/01/2020	07/01/2020	WG170411
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		07/01/2020	07/01/2020	WG170424

Target Parameter Count for SDG: 25

## HYDROGEN SULFIDE GAS AT MANHOLE R10-52

Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	5/11/20 @ 12:39
Sample Count	Interval Time (sec)	Bump Test Date
23587	30	6/1/20 @ 09:35
H2S Readings		
Date	Daily Max	Daily Average
6/1/2020	0.0	0.0
6/2/2020	0.0	0.0
6/3/2020	0.0	0.0
6/4/2020	0.0	0.0
6/5/2020	3.0	0.00816
6/6/2020	0.0	0.0
6/7/2020	3.0	0.02951
6/8/2020	0.0	0.0
6/9/2020	0.0	0.0

KING COUNTY SOLID WASTE DIVISION  
LEACHATE HAULING REPORT  
TANKER LOADS

MONTH: JUNE  
YEAR: 2020

DATE LOAD	DUVALL			SPOK.			VASHON			HOBART			OTHER			REMARKS
	BRIGHT	C.H.		6000	7000		SPOK.	6000	7000	C.H.	6000	7000	C.H.	6000	7000	
1																
2									2							
3									2							
4									2							
5																
6																
7									2							
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																
25																
26																
27																
28																
29																
30																
31																
TOTAL	0	0	12000	0	0	0	0	0	70000	0	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 701

Seattle, WA 98104-3855

**206-296-6542** Fax 206-296-0197

TTY Relay: 711

August 13, 2020

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

FM: Colleen Christensen, Engineer III, Solid Waste Division *NW for CC*

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

The purpose of the memorandum is to enclose the Self-Monitoring Report for Cedar Hills (Permit Number 7842-03) for the month of July 2020. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 7/7/20, 7/15/20, 7/21/20, and 7/28/20)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 7/1/20-7/9/20)
- Leachate Hauling Report (for July)

There were two soluble sulfide exceedances during the month of July (7/21 and 7/28), measured at site no. A90021. Details of these exceedances are provided in one 14-day report, submitted on 8/4.

Please contact me directly if you have any questions. I can be reached at (206) 263-1020, on my cell phone at (206) 512-7100, or by e-mail at [colleen.christensen@kingcounty.gov](mailto:colleen.christensen@kingcounty.gov).

Enclosures

cc: Glynda Steiner, Deputy Division Director, Solid Waste Division (SWD)  
Neil Fujii, Facilities Engineering and Science Section Manager, SWD  
Jennifer Keune, Environmental Compliance Coordinator, SWD  
Anne Holmes, Supervising Engineer, SWD  
Isabel McClure, Acting Supervising Engineer, SWD  
Dan Swope, Engineer III, SWD  
Toraj Ghofrani, Engineer III, SWD  
Sandy Jimenez, Engineer II, SWD  
Nina Wester, Environmental Scientist 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

King County

Company Name:

King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

Please Specify Month & Year:

Month: July 2020

This form is available at [www.kingcounty.gov/industrialwaste](http://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												1,019,400	
2												1,030,500	
3												401,400	
4												99,000	
5												113,200	
6												119,200	
7	C	8.40	0.142	0.2026	<0.0005	0.0004	0.101	0.1441	0.00562	0.0080	<0.1 ppm	171,100	
8												377,500	
9												117,300	
10												131,400	
11												112,100	
12												382,200	
13												118,100	
14												119,400	
15	C	8.33	0.164	0.1617	<0.0005	0.0003	0.115	0.1134	0.00686	0.0068	<0.1 ppm	118,200	
16												117,500	
17												124,500	
18												115,700	
19												113,600	
20												150,900	
21	C	8.30	0.173	0.1704	<0.0005	0.0003	0.122	0.1202	0.00531	0.0052	0.3 ppm	118,100	
22												758,000	
23												1,016,500	
24												1,000,200	
25												0	
26												0	
27												0	
28	C	8.37	0.167	0.1407	<0.0005	0.0002	0.119	0.1002	0.00614	0.0052	1.5 ppm	101,000	
29												0	
30												0	
31												92,500	

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: Jennifer Kaur  
Date: August 13, 2020





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 &amp; Year:

Month: July 2020

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

All units are PPM unless otherwise noted.

Sample Date (circle)	H <sub>2</sub> S - Air MAX	H <sub>2</sub> S - Air Average	Active Discharge during MAX H <sub>2</sub> S reading? (Y/N)
1	0.0	0.0	Y
2	0.0	0.0	Y
3	1.5	0.0026	Y
4	4.0	0.0309	Y
5	2.0	0.0019	N
6	4.5	0.0186	N
7	3.5	0.0083	Y
8	4.5	0.0181	Y
9	3.0	0.0042	N
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

**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.

Signature of Principal Executive or Authorized Agent

Date

August 13, 2020

Jennifer Keene

26					
27					
28					
29					
30					
31					

7/6/20, 7/8/20

Monthly MAX 4.5  
Monthly AVG 0.01

**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: 07/14/2020  
 Report Group: CHLS-P\_071420

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: <b>LEPS200707P</b>	CollectDate: <b>07/07/2020</b>
SDG/Lab Sample ID: <b>15637 / L74940-1</b>	LoginDate: <b>07/07/2020</b>
Project Name: <b>SWD-CHLS-P Cedar Hills Leachate Permit</b>	Matrix: <b>LEACHATE</b>

Metals										
Constituent	D.F.	Unit	Results	Q	MDL	RDL	Reg Limit	Prep Date	Run Date	Run
Aluminum, Total	10	mg/L	.425		.0508	.0508		07/08/2020	07/09/2020	WG170497
Antimony, Total	10	mg/L	.016		.00305	.00305		07/08/2020	07/09/2020	WG170497
Arsenic, Total	10	mg/L	.142		.000508	.000508	1	07/08/2020	07/09/2020	WG170497
Barium, Total	10	mg/L	.0865		.00508	.00508		07/08/2020	07/09/2020	WG170497
Beryllium, Total	10	mg/L	<.00102	U	.00102	.00102		07/08/2020	07/09/2020	WG170497
Cadmium, Total	10	mg/L	<.000508	U	.000508	.000508	0.5	07/08/2020	07/09/2020	WG170497
Calcium, Total	10	mg/L	89.9		.508	.508		07/08/2020	07/09/2020	WG170497
Chromium, Total	10	mg/L	.101		.00203	.00203	2.75	07/08/2020	07/09/2020	WG170497
Cobalt, Total	10	mg/L	.0258		.000508	.000508		07/08/2020	07/09/2020	WG170497
Copper, Total	10	mg/L	.00562		.00203	.00203	3	07/08/2020	07/09/2020	WG170497
Iron, Total	10	mg/L	8.53		.102	.102		07/08/2020	07/09/2020	WG170497
Lead, Total	10	mg/L	.00112		.00102	.00102	2	07/08/2020	07/09/2020	WG170497
Magnesium, Total	10	mg/L	47.7		.508	.508		07/08/2020	07/09/2020	WG170497
Manganese, Total	10	mg/L	.782		.00102	.00102		07/08/2020	07/09/2020	WG170497
Nickel, Total	10	mg/L	.0965	D	.00102	.00102	2.5	07/08/2020	07/09/2020	WG170497
Phosphorus, Total	10	mg/L	4.84		1.02	1.02		07/08/2020	07/09/2020	WG170497
Potassium, Total	10	mg/L	259		1.02	1.02		07/08/2020	07/09/2020	WG170497
Selenium, Total	10	mg/L	<.00508	U	.00508	.00508		07/08/2020	07/09/2020	WG170497
Silver, Total	10	mg/L	<.000406	U	.000406	.000406	1	07/08/2020	07/09/2020	WG170497
Sodium, Total	10	mg/L	764		1.02	1.02		07/08/2020	07/09/2020	WG170497
Thallium, Total	10	mg/L	<.00102	U	.00102	.00102		07/08/2020	07/09/2020	WG170497
Tin, Total	10	mg/L	.0102		.00508	.00508		07/08/2020	07/09/2020	WG170497
Vanadium, Total	10	mg/L	.0306		.000761	.000761		07/08/2020	07/09/2020	WG170497
Zinc, Total	10	mg/L	.154		.00508	.00508	5	07/08/2020	07/09/2020	WG170497
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		07/09/2020	07/09/2020	WG170526

Client Sample ID: <b>LEPS200707F</b>	CollectDate: <b>07/07/2020</b>
SDG/Lab Sample ID: <b>15637 / L74940-2</b>	LoginDate: <b>07/07/2020</b>
Project Name: <b>SWD-CHLS-P Cedar Hills Leachate Permit</b>	Matrix: <b>LEACHATE</b>

Metals										
Constituent	D.F.	Unit	Results	Q	MDL	RDL	Reg Limit	Prep Date	Run Date	Run
Aluminum, Total	1	mg/L	<.005	U	.005	.005		07/08/2020	07/09/2020	WG170497
Antimony, Total	1	mg/L	<.0003	U	.0003	.0003		07/08/2020	07/09/2020	WG170497
Arsenic, Total	1	mg/L	.0000979		.00005	.00005	1	07/08/2020	07/09/2020	WG170497
Barium, Total	1	mg/L	.00051		.0005	.0005		07/08/2020	07/09/2020	WG170497
Beryllium, Total	1	mg/L	<.0001	U	.0001	.0001		07/08/2020	07/09/2020	WG170497
Cadmium, Total	1	mg/L	<.00005	U	.00005	.00005	0.5	07/08/2020	07/09/2020	WG170497
Calcium, Total	1	mg/L	2.18		.05	.05		07/08/2020	07/09/2020	WG170497
Chromium, Total	1	mg/L	<.0002	U	.0002	.0002	2.75	07/08/2020	07/09/2020	WG170497
Cobalt, Total	1	mg/L	.0000501		.00005	.00005		07/08/2020	07/09/2020	WG170497
Copper, Total	1	mg/L	.0373		.0002	.0002	3	07/08/2020	07/09/2020	WG170497
Iron, Total	1	mg/L	.0111		.01	.01		07/08/2020	07/09/2020	WG170497
Lead, Total	1	mg/L	.000185		.0001	.0001	2	07/08/2020	07/09/2020	WG170497
Magnesium, Total	1	mg/L	.263		.05	.05		07/08/2020	07/09/2020	WG170497
Manganese, Total	1	mg/L	.000647		.0001	.0001		07/08/2020	07/09/2020	WG170497



# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 07/22/2020  
Report Group: CHLS-P\_072220

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200715P	CollectDate: 07/15/2020
SDG/Lab Sample ID: 15649 / L74975-1	LoginDate: 07/15/2020
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	.706		.0506	.0506		07/17/2020	07/17/2020	WG170659
Antimony, Total	10	mg/L	.0171		.00303	.00303		07/17/2020	07/17/2020	WG170659
Arsenic, Total	10	mg/L	.164		.000506	.000506	1	07/17/2020	07/17/2020	WG170659
Barium, Total	10	mg/L	.0975		.00506	.00506		07/17/2020	07/17/2020	WG170659
Beryllium, Total	10	mg/L	<.00101	U	.00101	.00101		07/17/2020	07/17/2020	WG170659
Cadmium, Total	10	mg/L	<.000506	U	.000506	.000506	0.5	07/17/2020	07/17/2020	WG170659
Calcium, Total	10	mg/L	95.2		.506	.506		07/17/2020	07/17/2020	WG170659
Chromium, Total	10	mg/L	.115		.00202	.00202	2.75	07/17/2020	07/17/2020	WG170659
Cobalt, Total	10	mg/L	.0283		.000506	.000506		07/17/2020	07/17/2020	WG170659
Copper, Total	10	mg/L	.00686		.00202	.00202	3	07/17/2020	07/17/2020	WG170659
Iron, Total	10	mg/L	9.38		.101	.101		07/17/2020	07/17/2020	WG170659
Lead, Total	10	mg/L	.00142		.00101	.00101	2	07/17/2020	07/17/2020	WG170659
Magnesium, Total	10	mg/L	52.6		.506	.506		07/17/2020	07/17/2020	WG170659
Manganese, Total	10	mg/L	.772		.00101	.00101		07/17/2020	07/17/2020	WG170659
Nickel, Total	10	mg/L	.11		.00101	.00101	2.5	07/17/2020	07/17/2020	WG170659
Phosphorus, Total	10	mg/L	5.26		1.01	1.01		07/17/2020	07/17/2020	WG170659
Potassium, Total	10	mg/L	307		1.01	1.01		07/17/2020	07/17/2020	WG170659
Selenium, Total	10	mg/L	<.00506	U	.00506	.00506		07/17/2020	07/17/2020	WG170659
Silver, Total	10	mg/L	<.000404	U	.000404	.000404	1	07/17/2020	07/17/2020	WG170659
Sodium, Total	10	mg/L	861		1.01	1.01		07/17/2020	07/17/2020	WG170659
Thallium, Total	10	mg/L	<.00101	U	.00101	.00101		07/17/2020	07/17/2020	WG170659
Tin, Total	10	mg/L	.0121		.00506	.00506		07/17/2020	07/17/2020	WG170659
Vanadium, Total	10	mg/L	.0355		.000758	.000758		07/17/2020	07/17/2020	WG170659
Zinc, Total	10	mg/L	.2		.00506	.00506	5	07/17/2020	07/17/2020	WG170659
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		07/20/2020	07/20/2020	WG170712

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
 Date Reported: 07/29/2020  
 Report Group: CHLS-P\_072820

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: LEPS200721P  
 SDG/Lab Sample ID: 15672 / L74998-1  
 Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 07/21/2020  
 LoginDate: 07/21/2020  
 Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Antimony, Total	10	mg/L	.0171		.00302	.00302		07/22/2020	07/27/2020	WG170751
Arsenic, Total	10	mg/L	.173		.000503	.000503	1	07/22/2020	07/27/2020	WG170751
Barium, Total	10	mg/L	.0891		.00503	.00503		07/22/2020	07/27/2020	WG170751
Beryllium, Total	10	mg/L	<.00101	U	.00101	.00101		07/22/2020	07/27/2020	WG170751
Cadmium, Total	10	mg/L	<.000503	U	.000503	.000503	0.5	07/22/2020	07/27/2020	WG170751
Calcium, Total	10	mg/L	90.4		.503	.503		07/22/2020	07/27/2020	WG170751
Chromium, Total	10	mg/L	.122		.00201	.00201	2.75	07/22/2020	07/27/2020	WG170751
Cobalt, Total	10	mg/L	.03		.000503	.000503		07/22/2020	07/27/2020	WG170751
Copper, Total	10	mg/L	.00531		.00201	.00201	3	07/22/2020	07/27/2020	WG170751
Iron, Total	10	mg/L	9.23		.101	.101		07/22/2020	07/27/2020	WG170751
Lead, Total	10	mg/L	.00131		.00101	.00101	2	07/22/2020	07/27/2020	WG170751
Magnesium, Total	10	mg/L	56		.503	.503		07/22/2020	07/27/2020	WG170751
Manganese, Total	10	mg/L	.765		.00101	.00101		07/22/2020	07/27/2020	WG170751
Nickel, Total	10	mg/L	.114		.00101	.00101	2.5	07/22/2020	07/27/2020	WG170751
Phosphorus, Total	10	mg/L	5.09		1.01	1.01		07/22/2020	07/27/2020	WG170751
Potassium, Total	10	mg/L	322		1.01	1.01		07/22/2020	07/27/2020	WG170751
Selenium, Total	10	mg/L	<.00503	U	.00503	.00503		07/22/2020	07/27/2020	WG170751
Silver, Total	10	mg/L	<.000403	U	.000403	.000403	1	07/22/2020	07/27/2020	WG170751
Sodium, Total	10	mg/L	937		1.01	1.01		07/22/2020	07/27/2020	WG170751
Thallium, Total	10	mg/L	<.00101	U	.00101	.00101		07/22/2020	07/27/2020	WG170751
Tin, Total	10	mg/L	.00884		.00503	.00503		07/22/2020	07/27/2020	WG170751
Vanadium, Total	10	mg/L	.0387		.000755	.000755		07/22/2020	07/27/2020	WG170751
Zinc, Total	10	mg/L	.225		.00503	.00503	5	07/22/2020	07/27/2020	WG170751
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		07/23/2020	07/23/2020	WG170788
Aluminum, Total	10	mg/L	.644		.0492	.0492		07/27/2020	07/28/2020	WG170862

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
 Date Reported: 08/04/2020  
 Report Group: CHLS-P\_080420

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: LEPS200728P  
 SDG/Lab Sample ID: 15657 / L75003-1  
 Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 07/28/2020  
 LoginDate: 07/28/2020  
 Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	.541		.0524	.0524		07/28/2020	07/29/2020	WG170869
Antimony, Total	10	mg/L	.0179		.00314	.00314		07/28/2020	07/29/2020	WG170869
Arsenic, Total	10	mg/L	.167		.000524	.000524	1	07/28/2020	07/29/2020	WG170869
Barium, Total	10	mg/L	.093		.00524	.00524		07/28/2020	07/29/2020	WG170869
Beryllium, Total	10	mg/L	<.00105	U	.00105	.00105		07/28/2020	07/29/2020	WG170869
Cadmium, Total	10	mg/L	<.000524	U	.000524	.000524	0.5	07/28/2020	07/29/2020	WG170869
Calcium, Total	10	mg/L	89.8		.524	.524		07/28/2020	07/29/2020	WG170869
Chromium, Total	10	mg/L	.119		.00209	.00209	2.75	07/28/2020	07/29/2020	WG170869
Cobalt, Total	10	mg/L	.0288		.000524	.000524		07/28/2020	07/29/2020	WG170869
Copper, Total	10	mg/L	.00614		.00209	.00209	3	07/28/2020	07/29/2020	WG170869
Iron, Total	10	mg/L	8.68		.105	.105		07/28/2020	07/29/2020	WG170869
Lead, Total	10	mg/L	.00134		.00105	.00105	2	07/28/2020	07/29/2020	WG170869
Magnesium, Total	10	mg/L	55.6		.524	.524		07/28/2020	07/29/2020	WG170869
Manganese, Total	10	mg/L	.841		.00105	.00105		07/28/2020	07/29/2020	WG170869
Nickel, Total	10	mg/L	.109		.00105	.00105	2.5	07/28/2020	07/29/2020	WG170869
Phosphorus, Total	10	mg/L	5.38		1.05	1.05		07/28/2020	07/29/2020	WG170869
Potassium, Total	10	mg/L	316		1.05	1.05		07/28/2020	07/29/2020	WG170869
Selenium, Total	10	mg/L	<.00524	U	.00524	.00524		07/28/2020	07/29/2020	WG170869
Silver, Total	10	mg/L	<.000419	U	.000419	.000419	1	07/28/2020	07/29/2020	WG170869
Sodium, Total	10	mg/L	904		1.05	1.05		07/28/2020	07/29/2020	WG170869
Thallium, Total	10	mg/L	<.00105	U	.00105	.00105		07/28/2020	07/29/2020	WG170869
Tin, Total	10	mg/L	.0107		.00524	.00524		07/28/2020	07/29/2020	WG170869
Vanadium, Total	10	mg/L	.0359		.000785	.000785		07/28/2020	07/29/2020	WG170869
Zinc, Total	10	mg/L	.203		.00524	.00524	5	07/28/2020	07/29/2020	WG170869
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		07/29/2020	07/30/2020	WG170909

Target Parameter Count for SDG: 25

## HYDROGEN SULFIDE GAS AT MANHOLE R10-52

Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	5/11/20 @ 12:39
Sample Count	Interval Time (sec)	Bump Test Date
23587	30	
H2S Readings		
Date	Daily Max	Daily Average
7/1/2020	0.0	0.0
7/2/2020	0.0	0.0
7/3/2020	1.5	0.0026
7/4/2020	4.0	0.0309
7/5/2020	2.0	0.0019
7/6/2020	4.5	0.0186
7/7/2020	3.5	0.0083
7/8/2020	4.5	0.0181
7/9/2020	3.0	0.0042



MONTH: JULY  
YEAR: 2020

MONTH: JULY  
YEAR: 2020



## King County

### Solid Waste Division

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 701

Seattle, WA 98104-3855

206-296-6542 Fax 206-296-0197

TTY Relay: 711

September 15, 2020

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

FM: Colleen Christensen, Engineer III, Solid Waste Division

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



The purpose of the memorandum is to enclose the Self-Monitoring Report for Cedar Hills (Permit Number 7842-03) for the month of August 2020. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 8/5/20, 8/12/20, 8/18/20, and 8/25/20)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 8/3/20-8/11/20)
- Leachate Hauling Report (for August)

At site A90021, five soluble sulfide screening level exceedances were measured during the month of August (four occurred during the weekly leachate permit sample, while another exceedance was measured during a resample attempt on 8/28). KCIW was notified of these exceedances on 8/11, 8/12, 8/18, 8/25 and 8/28. There were also atmospheric hydrogen sulfide exceedances measured on 8/4 and 8/5 at A9002. KCIW was notified of these exceedances on 8/11. Details of these exceedances are provided in two 14-day reports, submitted on 8/25 and 9/10.

Please contact me directly if you have any questions. I can be reached at (206) 263-1020, on my cell phone at (206) 512-7100, or by e-mail at [colleen.christensen@kingcounty.gov](mailto:colleen.christensen@kingcounty.gov).

Enclosures

cc: Glynda Steiner, Deputy Division Director, Solid Waste Division (SWD)  
Neil Fujii, Facilities Engineering and Science Section Manager, SWD  
Jennifer Keune, Environmental Compliance Coordinator, SWD  
Isabel McClure, Interim Supervising Engineer, SWD  
Dan Swope, Engineer III, SWD  
Toraj Ghofrani, Engineer III, SWD  
Sandy Jimenez, Engineer II, SWD  
Nina Wester, Environmental Scientist II, SWD





# Industrial Waste Program Monthly Self-Monitoring Report

Page 1 of 2

King County

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 2020 This form is available at [www.kingcounty.gov/industrialwaste](http://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	Daily Industrial Flow LIMIT	Notes (indicate Batch Discharge where applicable)
		LIMIT	LOAD	LIMIT	LOAD	LIMIT	LOAD	LIMIT	LOAD	LIMIT - 0.1	2,700,000 (GPD)	
1											0	
2											0	
3											1,600	
4											85,200	
5	C	8.22	0.204	0.1506	0.0002	0.14	0.1033	0.00562	0.0041	2.4 ppm	88,500	2nd test = 2.5 ppm
6											0	
7											88,900	
8											111,500	
9											106,900	
10											157,600	
11											131,300	
12	C	8.45	0.214	0.1854	0.0002	0.146	0.1265	0.00687	0.0060	2.9 ppm	103,900	2nd test = 2.5 ppm
13											107,000	
14											741,900	
15											77,400	
16											89,000	
17											99,600	
18	C	8.07	0.219	0.1494	0.0002	0.16	0.1092	0.00594	0.0041	3.5 ppm	81,800	2nd test = 3.7 ppm
19											64,700	
20											0	
21											84,500	
22											80,400	
23											76,700	
24											86,400	
25	C	10.10	0.248	0.1684	0.0002	0.192	0.1303	0.0121	0.0082	2.6 ppm	81,400	2nd test = 3.0 ppm
26											69,600	
27											98,400	
28	G				Resample	For	Soluble	Sulfide	Only	2.9 ppm	81,400	2.8 ppm, 3.3 ppm
29											80,700	
30											81,400	
31											N/A	
Total Monthly Flow (gallons)										2,957,700		
Maximum Daily Flow										741,900		

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: Jennifer Kume  
Date: September 15, 2020

8/14/20

PLEASE CIRCLE ALL PERMIT VIOLATIONS Due Date: Monthly report is due by the 15th each month.





# Industrial Waste Program Monthly Self-Monitoring Report

Page 2 of 2

King County

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 Year: 2020 This form is available at [www.kingcounty.gov/industrialwaste](http://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												
5	C	0.0014	0.00103	<0.0001	0.00004	0.135	0.100	<0.0004	0.0001	0.28	0.207	
6												
7												
8												
9												
10												
11												
12	C	0.00149	0.00129	<0.0001	0.00004	0.135	0.117	<0.0004	0.0002	0.338	0.293	
13												
14												
15												
16												
17												
18	C	0.00201	0.00137	<0.0001	0.00003	0.154	0.105	<0.0004	0.0001	0.338	0.231	
19												
20												
21												
22												
23												
24												
25	C	0.0027	0.00183	<0.0001	0.00003	0.17	0.115	<0.0004	0.0001	0.365	0.248	
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.

Signature of Principal Executive or Authorized Agent Jennifer Kuma Date September 15, 2020

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: August 2020 This form is available at www.kingcounty.gov/industrialwaste.

All units are PPM unless otherwise noted.

Sample Date (circle)	H <sub>2</sub> S - Air MAX	H <sub>2</sub> S - Air Average	Active Discharge during MAX H <sub>2</sub> S reading? (Y/N)	Notes
1				Over the course of the 8-day monitoring period, exceedances accounted for 0.3% of the total data collected, meaning KCSWD had 99.7% compliant data for the month of August. Because the landfill is not the only wastewater input at site no. A9002, SWD is unable to definitively conclude that discharges from the landfill caused the exceedances observed during the August sampling event.
2				
3	0.0	0.0	Y	
4	37.5	0.7	N	
5	23.5	0.1615	N	
6	0.0	0.0000	Y	
7	4.0	0.0319	N	
8	5.0	0.0724	N	
9	4.0	0.0257	N	
10	3.0	0.0118	Y	
11	3.5	0.0205	N	
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
Monthly MAX	37.5		8/4/20	
Monthly AVG	0.01			

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  
September 15, 2020  
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: 08/14/2020  
Report Group: CHLS-P\_081320

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200805P	CollectDate: 08/05/2020
SDG/Lab Sample ID: 15718 / L75126-1	LoginDate: 08/06/2020
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		08/06/2020	08/11/2020	WG171041
Aluminum, Total	10	mg/L	.614		.0516	.0516		08/10/2020	08/11/2020	WG171081
Antimony, Total	10	mg/L	.0213		.00309	.00309		08/10/2020	08/11/2020	WG171081
Arsenic, Total	10	mg/L	.204		.000516	.000516	1	08/10/2020	08/11/2020	WG171081
Barium, Total	10	mg/L	.0861		.00516	.00516		08/10/2020	08/11/2020	WG171081
Beryllium, Total	10	mg/L	<.00103	U	.00103	.00103		08/10/2020	08/11/2020	WG171081
Cadmium, Total	10	mg/L	<.000516	U	.000516	.000516	0.5	08/10/2020	08/11/2020	WG171081
Calcium, Total	10	mg/L	83.7		.516	.516		08/10/2020	08/11/2020	WG171081
Chromium, Total	10	mg/L	.14		.00206	.00206	2.75	08/10/2020	08/11/2020	WG171081
Cobalt, Total	10	mg/L	.0354		.000516	.000516		08/10/2020	08/11/2020	WG171081
Copper, Total	10	mg/L	.00562		.00206	.00206	3	08/10/2020	08/11/2020	WG171081
Iron, Total	10	mg/L	11.5		.103	.103		08/10/2020	08/11/2020	WG171081
Lead, Total	10	mg/L	.0014		.00103	.00103	2	08/10/2020	08/11/2020	WG171081
Magnesium, Total	10	mg/L	65.7		.516	.516		08/10/2020	08/11/2020	WG171081
Manganese, Total	10	mg/L	.754		.00103	.00103		08/10/2020	08/11/2020	WG171081
Nickel, Total	10	mg/L	.135		.00103	.00103	2.5	08/10/2020	08/11/2020	WG171081
Phosphorus, Total	10	mg/L	6.63		1.03	1.03		08/10/2020	08/11/2020	WG171081
Potassium, Total	10	mg/L	388		1.03	1.03		08/10/2020	08/11/2020	WG171081
Selenium, Total	10	mg/L	<.00516	U	.00516	.00516		08/10/2020	08/11/2020	WG171081
Silver, Total	10	mg/L	<.000413	U	.000413	.000413	1	08/10/2020	08/11/2020	WG171081
Sodium, Total	10	mg/L	1040	D	1.03	1.03		08/10/2020	08/13/2020	WG171081
Thallium, Total	10	mg/L	<.00103	U	.00103	.00103		08/10/2020	08/11/2020	WG171081
Tin, Total	10	mg/L	.0143		.00516	.00516		08/10/2020	08/11/2020	WG171081
Vanadium, Total	10	mg/L	.0442		.000774	.000774		08/10/2020	08/11/2020	WG171081
Zinc, Total	10	mg/L	.28		.00516	.00516	5	08/10/2020	08/11/2020	WG171081

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
 Date Reported: 08/18/2020  
 Report Group: CHLS-P\_081920

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: LEPS200812P	CollectDate: 08/12/2020
SDG/Lab Sample ID: 15729 / L75142-1	LoginDate: 08/12/2020
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	.717		.051	.051		08/13/2020	08/13/2020	WG171200
Antimony, Total	10	mg/L	.0204		.00306	.00306		08/13/2020	08/13/2020	WG171200
Arsenic, Total	10	mg/L	.214		.00051	.00051	1	08/13/2020	08/13/2020	WG171200
Barium, Total	10	mg/L	.0816		.0051	.0051		08/13/2020	08/13/2020	WG171200
Beryllium, Total	10	mg/L	<.00102	U	.00102	.00102		08/13/2020	08/13/2020	WG171200
Cadmium, Total	10	mg/L	<.00051	U	.00051	.00051	0.5	08/13/2020	08/13/2020	WG171200
Calcium, Total	10	mg/L	89.9		.51	.51		08/13/2020	08/13/2020	WG171200
Chromium, Total	10	mg/L	.146		.00204	.00204	2.75	08/13/2020	08/13/2020	WG171200
Cobalt, Total	10	mg/L	.0365		.00051	.00051		08/13/2020	08/13/2020	WG171200
Copper, Total	10	mg/L	.00687		.00204	.00204	3	08/13/2020	08/13/2020	WG171200
Iron, Total	10	mg/L	12.9		.102	.102		08/13/2020	08/13/2020	WG171200
Lead, Total	10	mg/L	.00149		.00102	.00102	2	08/13/2020	08/13/2020	WG171200
Magnesium, Total	10	mg/L	64.6		.51	.51		08/13/2020	08/13/2020	WG171200
Manganese, Total	10	mg/L	.839		.00102	.00102		08/13/2020	08/13/2020	WG171200
Nickel, Total	10	mg/L	.135		.00102	.00102	2.5	08/13/2020	08/13/2020	WG171200
Phosphorus, Total	10	mg/L	7.01		1.02	1.02		08/13/2020	08/13/2020	WG171200
Potassium, Total	10	mg/L	388		1.02	1.02		08/13/2020	08/13/2020	WG171200
Selenium, Total	10	mg/L	<.0051	U	.0051	.0051		08/13/2020	08/13/2020	WG171200
Silver, Total	10	mg/L	<.000408	U	.000408	.000408	1	08/13/2020	08/13/2020	WG171200
Sodium, Total	10	mg/L	1150		1.02	1.02		08/13/2020	08/13/2020	WG171200
Thallium, Total	10	mg/L	<.00102	U	.00102	.00102		08/13/2020	08/13/2020	WG171200
Tin, Total	10	mg/L	.0146		.0051	.0051		08/13/2020	08/13/2020	WG171200
Vanadium, Total	10	mg/L	.0458		.000765	.000765		08/13/2020	08/13/2020	WG171200
Zinc, Total	10	mg/L	.338		.0051	.0051	5	08/13/2020	08/13/2020	WG171200
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		08/13/2020	08/14/2020	WG171211

Target Parameter Count for SDG: 25



# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 08/28/2020  
Report Group: CHLS-P\_082520

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200818P	CollectDate: 08/18/2020
SDG/Lab Sample ID: 15687 / L75147-1	LoginDate: 08/18/2020
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	.813		.0492	.0492		08/19/2020	08/19/2020	WG171319
Antimony, Total	10	mg/L	.0221		.00295	.00295		08/19/2020	08/19/2020	WG171319
Arsenic, Total	10	mg/L	.219		.000492	.000492	1	08/19/2020	08/19/2020	WG171319
Barium, Total	10	mg/L	.08		.00492	.00492		08/19/2020	08/19/2020	WG171319
Beryllium, Total	10	mg/L	<.000983	U	.000983	.000983		08/19/2020	08/19/2020	WG171319
Cadmium, Total	10	mg/L	<.000492	U	.000492	.000492	0.5	08/19/2020	08/19/2020	WG171319
Calcium, Total	10	mg/L	85.7		.492	.492		08/19/2020	08/19/2020	WG171319
Chromium, Total	10	mg/L	.16		.00197	.00197	2.75	08/19/2020	08/19/2020	WG171319
Cobalt, Total	10	mg/L	.0395		.000492	.000492		08/19/2020	08/19/2020	WG171319
Copper, Total	10	mg/L	.00594		.00197	.00197	3	08/19/2020	08/19/2020	WG171319
Iron, Total	10	mg/L	13.6		.0983	.0983		08/19/2020	08/19/2020	WG171319
Lead, Total	10	mg/L	.00201		.000983	.000983	2	08/19/2020	08/19/2020	WG171319
Magnesium, Total	10	mg/L	68.3		.492	.492		08/19/2020	08/19/2020	WG171319
Manganese, Total	10	mg/L	.792		.000983	.000983		08/19/2020	08/19/2020	WG171319
Nickel, Total	10	mg/L	.154		.000983	.000983	2.5	08/19/2020	08/19/2020	WG171319
Phosphorus, Total	10	mg/L	6.6		.983	.983		08/19/2020	08/19/2020	WG171319
Potassium, Total	10	mg/L	418		.983	.983		08/19/2020	08/19/2020	WG171319
Selenium, Total	10	mg/L	<.00492	U	.00492	.00492		08/19/2020	08/19/2020	WG171319
Silver, Total	10	mg/L	<.000393	U	.000393	.000393	1	08/19/2020	08/19/2020	WG171319
Sodium, Total	10	mg/L	1150		.983	.983		08/19/2020	08/19/2020	WG171319
Thallium, Total	10	mg/L	<.000983	U	.000983	.000983		08/19/2020	08/19/2020	WG171319
Tin, Total	10	mg/L	.0171		.00492	.00492		08/19/2020	08/19/2020	WG171319
Vanadium, Total	10	mg/L	.0478		.000737	.000737		08/19/2020	08/19/2020	WG171319
Zinc, Total	10	mg/L	.338		.00492	.00492	5	08/19/2020	08/19/2020	WG171319
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		08/20/2020	08/21/2020	WG171363

Target Parameter Count for SDG: 25



# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 09/03/2020  
Report Group: CHLS-P\_090120

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200825P	CollectDate: 08/25/2020
SDG/Lab Sample ID: 15693 / L75151-1	LoginDate: 08/25/2020
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	1.49		.0514	.0514		08/26/2020	08/27/2020	WG171475
Antimony, Total	10	mg/L	.0276		.00308	.00308		08/26/2020	08/27/2020	WG171475
Arsenic, Total	10	mg/L	.248		.000514	.000514	1	08/26/2020	08/27/2020	WG171475
Barium, Total	10	mg/L	.0895		.00514	.00514		08/26/2020	08/27/2020	WG171475
Beryllium, Total	10	mg/L	<.00103	U	.00103	.00103		08/26/2020	08/27/2020	WG171475
Cadmium, Total	10	mg/L	<.000514	U	.000514	.000514	0.5	08/26/2020	08/27/2020	WG171475
Calcium, Total	10	mg/L	97.9		.514	.514		08/26/2020	08/27/2020	WG171475
Chromium, Total	10	mg/L	.192		.00206	.00206	2.75	08/26/2020	08/27/2020	WG171475
Cobalt, Total	10	mg/L	.0469		.000514	.000514		08/26/2020	08/27/2020	WG171475
Copper, Total	10	mg/L	.0121		.00206	.00206	3	08/26/2020	08/27/2020	WG171475
Iron, Total	10	mg/L	16.3		.103	.103		08/26/2020	08/27/2020	WG171475
Lead, Total	10	mg/L	.0027		.00103	.00103	2	08/26/2020	08/27/2020	WG171475
Magnesium, Total	10	mg/L	69.9		.514	.514		08/26/2020	08/27/2020	WG171475
Manganese, Total	10	mg/L	.985		.00103	.00103		08/26/2020	08/27/2020	WG171475
Nickel, Total	10	mg/L	.17		.00103	.00103	2.5	08/26/2020	08/27/2020	WG171475
Phosphorus, Total	10	mg/L	10.2		1.03	1.03		08/26/2020	08/27/2020	WG171475
Potassium, Total	10	mg/L	437		1.03	1.03		08/26/2020	08/27/2020	WG171475
Selenium, Total	10	mg/L	<.00514	U	.00514	.00514		08/26/2020	08/27/2020	WG171475
Silver, Total	10	mg/L	<.000411	U	.000411	.000411	1	08/26/2020	08/27/2020	WG171475
Sodium, Total	10	mg/L	1260		1.03	1.03		08/26/2020	08/27/2020	WG171475
Thallium, Total	10	mg/L	<.00103	U	.00103	.00103		08/26/2020	08/27/2020	WG171475
Tin, Total	10	mg/L	.0252		.00514	.00514		08/26/2020	08/27/2020	WG171475
Vanadium, Total	10	mg/L	.0569		.000771	.000771		08/26/2020	08/27/2020	WG171475
Zinc, Total	10	mg/L	.365		.00514	.00514	5	08/26/2020	08/27/2020	WG171475
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		08/26/2020	08/27/2020	WG171489

Target Parameter Count for SDG: 25

## HYDROGEN SULFIDE GAS AT MANHOLE R10-52

Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	5/11/20 @ 12:39
Sample Count	Interval Time (sec)	Bump Test Date
23014	30	8/3/20 @11:48
H2S Readings		
Date	Daily Max	Daily Average
8/3/2020	0.0	0.0
8/4/2020	37.5	0.7
8/5/2020	23.5	0.1615
8/6/2020	0.0	0.0
8/7/2020	4.0	0.0319
8/8/2020	5.0	0.0724
8/9/2020	4.0	0.0257
8/10/2020	3.0	0.0118
8/11/2020	3.5	0.0205

MONTH: AUGUST  
YEAR: 2020

MONTH: AUGUST  
YEAR: 2020





## King County

### Solid Waste Division

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 701


Seattle, WA 98104-3855

206-296-6542 Fax 206-296-0197

TTY Relay: 711

October 13, 2020

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

FM: Colleen Christensen, Engineer III, Solid Waste Division 

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

The purpose of the memorandum is to enclose the Self-Monitoring Report for Cedar Hills (Permit Number 7842-03) for the month of September 2020. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 9/2/20, 9/9/20, 9/15/20, and 9/22/20)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 9/1/20-9/8/20)
- Leachate Hauling Report (for September)

At monitoring location A90021, four soluble sulfide screening level exceedances were measured during the month of September. KCIW was notified of these exceedances on 9/3, 9/9, 9/15, and 9/22. There was also one arsenic loading exceedance, which occurred on 9/22. KCIW was notified of this exceedance on 10/1. Details of these exceedances are provided in three 14-day reports: two were submitted to KCIW on 9/10 and 9/30, and the third one will be submitted by its deadline of 10/15.

Please contact me directly if you have any questions. I can be reached at (206) 263-1020, on my cell phone at (206) 512-7100, or by e-mail at [colleen.christensen@kingcounty.gov](mailto:colleen.christensen@kingcounty.gov).

Enclosures

cc: Glynda Steiner, Deputy Division Director, Solid Waste Division (SWD)  
Neil Fujii, Facilities Engineering and Science Section Manager, SWD  
Jennifer Keune, Environmental Compliance Coordinator, SWD  
Isabel McClure, Interim Supervising Engineer, SWD  
Dan Swope, Engineer III, SWD  
Toraj Ghofrani, Engineer III, SWD  
Sandy Jimenez, Engineer II, SWD  
Nina Wester, Environmental Scientist II, SWD



# Industrial Waste Program Monthly Self-Monitoring Report

Page 1 of 2

King County

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

Month: September 2020

Sample Site No. A90021

Permit No.: 7842-03

This form is available at [www.kingcounty.gov/industrialwaste](http://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	C	8.30	0.246	0.1602	<0.0005	0.0002	0.175	0.1140	0.00634	0.0041	4.1 ppm	76,100	2 <sup>nd</sup> test = 2.6 ppm 3 <sup>rd</sup> test = 4.1 ppm
3													
4													
5													
6													
7													
8													
9	C	8.39	0.244	0.2157	<0.0005	0.0002	0.177	0.1565	0.0107	0.0095	3.6 ppm	106,000	2 <sup>nd</sup> test = 3.2 ppm 3 <sup>rd</sup> test = 3.3 ppm
10													
11													
12													
13													
14													
15	C	8.37	0.237	0.1494	<0.0005	0.0002	0.164	0.1034	0.00867	0.0055	3.4 ppm	75,600	2 <sup>nd</sup> test = 3.3 ppm
16													
17													
18													
19													
20													
21													
22	C	8.57	0.231	0.5679	<0.0005	0.0006	0.16	0.3934	0.0094	0.0231	1.9 ppm	294,800	2 <sup>nd</sup> test = 1.6 ppm
23													
24													
25													
26													
27													
28													
29													
30													
31													
												N/A	There was no discharge at A90021 from 9/26 through the end of the month.
												4,569,400	
												644,800	

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.

October 12, 2020

Date

*Jennifer L. E. Keune*  
Signature of Principal Executive or Authorized Agent

Total Monthly Flow (gallons)

Maximum Daily Flow

9/20/20

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

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Monthly Min pH 8.30

Monthly Max pH 8.57





# Industrial Waste Program Monthly Self-Monitoring Report

Page 2 of 2

King County

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 2020 This form is available at [www.kingcounty.gov/industrialwaste](http://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	C	0.00239	0.00156	<0.0001	0.00003	0.17	0.111	<0.0004	0.0001	0.376	0.245	
3												
4												
5												
6												
7												
8												
9	C	0.00341	0.00301	<0.0001	0.00004	0.171	0.151	<0.0004	0.0002	0.406	0.359	
10												
11												
12												
13												
14												
15	C	0.00274	0.00173	<0.0001	0.00003	0.16	0.101	<0.0004	0.0001	0.336	0.212	
16												
17												
18												
19												
20												
21												
22	C	0.00302	0.00743	<0.0001	0.00012	0.151	0.371	<0.0004	0.0005	0.228	0.561	
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.

Signature of Principal, Executive or Authorized Agent  
*Jennifer L. E. Kuma*  
Date  
October 12, 2020

PLEASE CIRCLE ALL PERMIT VIOLATIONS

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



# Industrial Waste Program Monthly Self-Monitoring Report

King County

## 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

Permit No.: 7842-03

Sample Site No. A9002

Company Name: King County SWD - Cedar Hills Landfill

Please Specify Month & Year: Month: September 2020

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

All units are PPM unless otherwise noted.

Sample Date (circle)	H <sub>2</sub> S - Air MAX	H <sub>2</sub> S - Air Average	Active Discharge during MAX H <sub>2</sub> S reading? (Y/N)	Notes
1	0	0	Y	
2	0	0	Y	
3	2.5	0.0038	N	
4	4	0.0481	N	
5	3.5	0.0321	N	
6	2	0.0243	N	
7	0	0	Y	
8	0	0	Y	
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
Monthly MAX	4.0		9/4/20	
Monthly AVG	0.0135			

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  
*Jennifer L R Keune*  
Date  
October 12, 2020

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: 09/09/2020  
 Report Group: CHLS-P\_090920

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: LEPS200902P  
 SDG/Lab Sample ID: 15761 / L75365-1  
 Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 09/02/2020  
 LoginDate: 09/02/2020  
 Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	.701		.05	.05		09/02/2020	09/03/2020	WG171607
Antimony, Total	10	mg/L	.0254		.003	.003		09/02/2020	09/03/2020	WG171607
Arsenic, Total	10	mg/L	.246		.0005	.0005	1	09/02/2020	09/03/2020	WG171607
Barium, Total	10	mg/L	.0843		.005	.005		09/02/2020	09/03/2020	WG171607
Beryllium, Total	10	mg/L	<.000999	U	.000999	.000999		09/02/2020	09/03/2020	WG171607
Cadmium, Total	10	mg/L	<.0005	U	.0005	.0005	0.5	09/02/2020	09/03/2020	WG171607
Calcium, Total	10	mg/L	96.4		.5	.5		09/02/2020	09/03/2020	WG171607
Chromium, Total	10	mg/L	.175		.002	.002	2.75	09/02/2020	09/03/2020	WG171607
Cobalt, Total	10	mg/L	.0427		.0005	.0005		09/02/2020	09/03/2020	WG171607
Copper, Total	10	mg/L	.00634		.002	.002	3	09/02/2020	09/03/2020	WG171607
Iron, Total	10	mg/L	15.2		.0999	.0999		09/02/2020	09/03/2020	WG171607
Lead, Total	10	mg/L	.00239		.000999	.000999	2	09/02/2020	09/03/2020	WG171607
Magnesium, Total	10	mg/L	74.4		.5	.5		09/02/2020	09/03/2020	WG171607
Manganese, Total	10	mg/L	.908		.000999	.000999		09/02/2020	09/03/2020	WG171607
Nickel, Total	10	mg/L	.165		.000999	.000999	2.5	09/02/2020	09/03/2020	WG171607
Phosphorus, Total	10	mg/L	7.58		.999	.999		09/02/2020	09/03/2020	WG171607
Potassium, Total	10	mg/L	463		.999	.999		09/02/2020	09/03/2020	WG171607
Selenium, Total	10	mg/L	<.005	U	.005	.005		09/02/2020	09/03/2020	WG171607
Silver, Total	10	mg/L	<.0004	U	.0004	.0004	1	09/02/2020	09/03/2020	WG171607
Sodium, Total	10	mg/L	1320		.999	.999		09/02/2020	09/03/2020	WG171607
Thallium, Total	10	mg/L	<.000999	U	.000999	.000999		09/02/2020	09/03/2020	WG171607
Tin, Total	10	mg/L	.0168		.005	.005		09/02/2020	09/03/2020	WG171607
Vanadium, Total	10	mg/L	.0524		.00075	.00075		09/02/2020	09/03/2020	WG171607
Zinc, Total	10	mg/L	.376		.005	.005	5	09/02/2020	09/03/2020	WG171607
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		09/03/2020	09/04/2020	WG171643

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
 Date Reported: 09/17/2020  
 Report Group: CHLS-P\_091620

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: LEPS200909P  
 SDG/Lab Sample ID: 15767 / L75417-1  
 Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 09/09/2020  
 LoginDate: 09/09/2020  
 Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	1.37		.0508	.0508		09/10/2020	09/10/2020	WG171759
Antimony, Total	10	mg/L	.0266		.00305	.00305		09/10/2020	09/10/2020	WG171759
Arsenic, Total	10	mg/L	.244		.000508	.000508	1	09/10/2020	09/10/2020	WG171759
Barium, Total	10	mg/L	.0966		.00508	.00508		09/10/2020	09/10/2020	WG171759
Beryllium, Total	10	mg/L	<.00102	U	.00102	.00102		09/10/2020	09/10/2020	WG171759
Cadmium, Total	10	mg/L	<.000508	U	.000508	.000508	0.5	09/10/2020	09/10/2020	WG171759
Calcium, Total	10	mg/L	93.1		.508	.508		09/10/2020	09/10/2020	WG171759
Chromium, Total	10	mg/L	.177		.00203	.00203	2.75	09/10/2020	09/10/2020	WG171759
Cobalt, Total	10	mg/L	.0444		.000508	.000508		09/10/2020	09/10/2020	WG171759
Copper, Total	10	mg/L	.0107		.00203	.00203	3	09/10/2020	09/10/2020	WG171759
Iron, Total	10	mg/L	15.4		.102	.102		09/10/2020	09/10/2020	WG171759
Lead, Total	10	mg/L	.00341		.00102	.00102	2	09/10/2020	09/10/2020	WG171759
Magnesium, Total	10	mg/L	75.6		.508	.508		09/10/2020	09/10/2020	WG171759
Manganese, Total	10	mg/L	.891		.00102	.00102		09/10/2020	09/10/2020	WG171759
Nickel, Total	10	mg/L	.171		.00102	.00102	2.5	09/10/2020	09/10/2020	WG171759
Phosphorus, Total	10	mg/L	7.58		1.02	1.02		09/10/2020	09/10/2020	WG171759
Potassium, Total	10	mg/L	457		1.02	1.02		09/10/2020	09/10/2020	WG171759
Selenium, Total	10	mg/L	<.00508	U	.00508	.00508		09/10/2020	09/10/2020	WG171759
Silver, Total	10	mg/L	<.000407	U	.000407	.000407	1	09/10/2020	09/10/2020	WG171759
Sodium, Total	10	mg/L	1320		1.02	1.02		09/10/2020	09/10/2020	WG171759
Thallium, Total	10	mg/L	<.00102	U	.00102	.00102		09/10/2020	09/10/2020	WG171759
Tin, Total	10	mg/L	.0195		.00508	.00508		09/10/2020	09/10/2020	WG171759
Vanadium, Total	10	mg/L	.0528		.000763	.000763		09/10/2020	09/10/2020	WG171759
Zinc, Total	10	mg/L	.406		.00508	.00508	5	09/10/2020	09/10/2020	WG171759
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		09/10/2020	09/11/2020	WG171782

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 09/25/2020  
Report Group: CHLS-P\_092220

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200915P  
SDG/Lab Sample ID: 15772 / L75453-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 09/15/2020  
LoginDate: 09/15/2020  
Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	.682		.0487	.0487		09/16/2020	09/17/2020	WG171883
Antimony, Total	10	mg/L	.0234		.00292	.00292		09/16/2020	09/17/2020	WG171883
Arsenic, Total	10	mg/L	.237		.000487	.000487	1	09/16/2020	09/17/2020	WG171883
Barium, Total	10	mg/L	.0596		.00487	.00487		09/16/2020	09/17/2020	WG171883
Beryllium, Total	10	mg/L	<.000974	DU	.000974	.000974		09/16/2020	09/17/2020	WG171883
Cadmium, Total	10	mg/L	<.000487	U	.000487	.000487	0.5	09/16/2020	09/17/2020	WG171883
Calcium, Total	10	mg/L	71.1		.487	.487		09/16/2020	09/17/2020	WG171883
Chromium, Total	10	mg/L	.164		.00195	.00195	2.75	09/16/2020	09/17/2020	WG171883
Cobalt, Total	10	mg/L	.0416	D	.000487	.000487		09/16/2020	09/17/2020	WG171883
Copper, Total	10	mg/L	.00867		.00195	.00195	3	09/16/2020	09/17/2020	WG171883
Iron, Total	10	mg/L	12.2		.0974	.0974		09/16/2020	09/17/2020	WG171883
Lead, Total	10	mg/L	.00274	D	.000974	.000974	2	09/16/2020	09/17/2020	WG171883
Magnesium, Total	10	mg/L	72.1		.487	.487		09/16/2020	09/17/2020	WG171883
Manganese, Total	10	mg/L	.497		.000974	.000974		09/16/2020	09/17/2020	WG171883
Nickel, Total	10	mg/L	.16		.000974	.000974	2.5	09/16/2020	09/17/2020	WG171883
Phosphorus, Total	10	mg/L	7.71		.974	.974		09/16/2020	09/17/2020	WG171883
Potassium, Total	10	mg/L	461		.974	.974		09/16/2020	09/17/2020	WG171883
Selenium, Total	10	mg/L	<.00487	U	.00487	.00487		09/16/2020	09/17/2020	WG171883
Silver, Total	10	mg/L	<.000389	U	.000389	.000389	1	09/16/2020	09/17/2020	WG171883
Sodium, Total	10	mg/L	1330		.974	.974		09/16/2020	09/17/2020	WG171883
Thallium, Total	10	mg/L	<.000974	DU	.000974	.000974		09/16/2020	09/17/2020	WG171883
Tin, Total	10	mg/L	.0151		.00487	.00487		09/16/2020	09/17/2020	WG171883
Vanadium, Total	10	mg/L	.0523		.00073	.00073		09/16/2020	09/17/2020	WG171883
Zinc, Total	10	mg/L	.336		.00487	.00487	5	09/16/2020	09/17/2020	WG171883
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		09/17/2020	09/18/2020	WG171913

Target Parameter Count for SDG: 25



# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 10/01/2020  
Report Group: CHLS-P\_092920

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS200922P  
SDG/Lab Sample ID: 15796 / L75511-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 09/22/2020  
LoginDate: 09/22/2020  
Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	.66		.0525	.0525		09/23/2020	09/24/2020	WG172004
Antimony, Total	10	mg/L	.0237		.00315	.00315		09/23/2020	09/24/2020	WG172004
Arsenic, Total	10	mg/L	.231		.000525	.000525	1	09/23/2020	09/24/2020	WG172004
Barium, Total	10	mg/L	.0618		.00525	.00525		09/23/2020	09/24/2020	WG172004
Beryllium, Total	10	mg/L	<.00105	U	.00105	.00105		09/23/2020	09/24/2020	WG172004
Cadmium, Total	10	mg/L	<.000525	U	.000525	.000525	0.5	09/23/2020	09/24/2020	WG172004
Calcium, Total	10	mg/L	69.2		.525	.525		09/23/2020	09/24/2020	WG172004
Chromium, Total	10	mg/L	.16		.0021	.0021	2.75	09/23/2020	09/24/2020	WG172004
Cobalt, Total	10	mg/L	.0398		.000525	.000525		09/23/2020	09/24/2020	WG172004
Copper, Total	10	mg/L	.0094		.0021	.0021	3	09/23/2020	09/24/2020	WG172004
Iron, Total	10	mg/L	11.2		.105	.105		09/23/2020	09/24/2020	WG172004
Lead, Total	10	mg/L	.00302		.00105	.00105	2	09/23/2020	09/24/2020	WG172004
Magnesium, Total	10	mg/L	68.7		.525	.525		09/23/2020	09/24/2020	WG172004
Manganese, Total	10	mg/L	.476		.00105	.00105		09/23/2020	09/24/2020	WG172004
Nickel, Total	10	mg/L	.151		.00105	.00105	2.5	09/23/2020	09/24/2020	WG172004
Phosphorus, Total	10	mg/L	6.88		1.05	1.05		09/23/2020	09/24/2020	WG172004
Potassium, Total	10	mg/L	449		1.05	1.05		09/23/2020	09/24/2020	WG172004
Selenium, Total	10	mg/L	<.00525	U	.00525	.00525		09/23/2020	09/24/2020	WG172004
Silver, Total	10	mg/L	<.00042	U	.00042	.00042	1	09/23/2020	09/24/2020	WG172004
Sodium, Total	10	mg/L	1280		1.05	1.05		09/23/2020	09/24/2020	WG172004
Thallium, Total	10	mg/L	<.00105	U	.00105	.00105		09/23/2020	09/24/2020	WG172004
Tin, Total	10	mg/L	.0152	J	.00525	.00525		09/23/2020	09/24/2020	WG172004
Vanadium, Total	10	mg/L	.0512		.000787	.000787		09/23/2020	09/24/2020	WG172004
Zinc, Total	10	mg/L	.288		.00525	.00525	5	09/23/2020	09/24/2020	WG172004
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		09/23/2020	09/24/2020	WG172036

Target Parameter Count for SDG: 25

## HYDROGEN SULFIDE GAS AT MANHOLE R10-52

Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	5/11/20 @ 12:39
Sample Count	Interval Time (sec)	Bump Test Date
22836	30	8/31/20 @ 11:41
H2S Readings		
Date	Daily Max	Daily Average
9/1/2020	0	0
9/2/2020	0	0
9/3/2020	2.5	0.0038
9/4/2020	4	0.0481
9/5/2020	3.5	0.0321
9/6/2020	2	0.0243
9/7/2020	0	0
9/8/2020	0	0

KING COUNTY SOLID WASTE DIVISION  
LEACHATE HAULING REPORT  
TANKER LOADS

MONTH: SEPTEMBER  
YEAR: 2020

DATE LOAD	BRIGHT		DUVALL		SPOK.		VASHON		HOBART		OTHER		REMARKS
	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													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
TOTAL	0	0	0	14000	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 701

Seattle, WA 98104-3855

**206-296-6542** Fax 206-296-0197

TTY Relay: 711

November 12, 2020

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

FM: Colleen Christensen, Engineer III, Solid Waste Division *NW for CC*

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

The purpose of the memorandum is to enclose the Self-Monitoring Report for Cedar Hills (Permit Number 7842-03) for the month of October 2020. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 10/7/20, 10/13/20, 10/20/20 and 10/27/20)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 10/6/20-10/14/20)
- Leachate Hauling Report (for October)

At monitoring location A90021, four soluble sulfide screening level exceedances were measured during the month of October. KCIW was notified of these exceedances on 10/7, 10/15, 10/21, and 10/28. There were also three arsenic loading exceedances, which occurred on 10/13, 10/20, and 10/27. KCIW was notified of these exceedances on 10/23, 10/29, and 11/6. Details of these exceedances are provided in three 14-day reports: two were submitted to KCIW on 10/15 and 11/2, and the third one will be submitted by its deadline of 11/20.

Please contact me directly if you have any questions. I can be reached at (206) 263-1020, on my cell phone at (206) 512-7100, or by e-mail at [colleen.christensen@kingcounty.gov](mailto:colleen.christensen@kingcounty.gov).

Enclosures

cc: Glynda Steiner, Deputy Division Director, Solid Waste Division (SWD)  
Neil Fujii, Facilities Engineering and Science Section Manager, SWD  
Jennifer Keune, Environmental Compliance Coordinator, SWD  
Isabel McClure, Interim Supervising Engineer, SWD  
Dan Swope, Engineer III, SWD  
Toraj Ghofrani, Engineer III, SWD  
Sendy Jimenez, Engineer II, SWD  
Nina Wester, Environmental Scientist 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

King County

Company Name:

King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

Please Specify Month & Year:

Month: October 2020

This form is available at [www.kingcounty.gov/industrialwaste](http://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												0	
2												0	
3												0	
4												0	
5												0	
6												0	
7	C	8.62	0.225	0.0726	<0.0005	0.0001	0.165	0.0533	0.00846	0.0027	0.9 ppm	38,700	
8												0	
9												12,400	
10												0	
11												110,000	
12												396,200	
13	C	8.55	0.204	0.2894	<0.0005	0.0004	0.151	0.2142	0.00865	0.0123	1.2 ppm	170,100	
14												0	
15												0	
16												191,400	
17												1,107,900	
18												1,158,700	
19												1,081,100	
20	C	8.17	0.171	1.5472	<0.0005	0.0023	0.121	1.0948	0.00822	0.0744	1.4 ppm	1,084,900	
21												1,001,100	
22												1,031,600	
23												1,078,300	
24												1,128,100	
25												1,085,700	
26												1,079,400	
27	C	8.37	0.106	0.9799	<0.0005	0.0023	0.0831	0.7682	0.01	0.0924	2.3 ppm	1,108,400	
28												100	
29												0	
30												0	
31												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.

Signature of Principal Executive or Authorized Agent  
*Jennifer Kume*  
November 12, 2020  
Date



Monthly Min pH

8.17

Monthly Max pH

8.62

10/20/20

10/7/20

Total Monthly Flow (gallons)


12,864,100

Maximum Daily Flow

1,158,700

10/18/20

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



PI FASE CIRCLE A11 PERMIT VIOLATIONS

Industrial Waste Program Monthly Self-Monitoring Report

Page 2 of 2

King County

Company Name: King County SWD - Cedar Hills Landfill

Sample Site No. A90021

Permit No.: 7842-03

Please Specify Month & Year: Month: October 2020

This form is available at [www.kingcounty.gov/industrialwaste](http://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												
5												
6												
7	C	0.00244	0.00079	<0.0001	0.00002	0.164	0.053	<0.0004	0.0001	0.248	0.080	
8												
9												
10												
11												
12												
13	C	0.00206	0.00292	<0.0001	0.00007	0.146	0.207	<0.0004	0.0003	0.23	0.326	
14												
15												
16												
17												
18												
19												
20	C	0.00192	0.01737	<0.0001	0.00045	0.113	1.022	<0.0004	0.0018	0.211	1.909	
21												
22												
23												
24												
25												
26												
27	C	0.00189	0.01747	<0.0001	0.00046	0.0865	0.800	<0.0004	0.0018	0.131	1.211	
28												
29												
30												

Signature of Principal Executive or Authorized Agent

November 12, 2020

Date

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.



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 &amp; Year:

Month: October

2020

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

All units are PPM unless otherwise noted.

Sample Date (circle)	H <sub>2</sub> S - Air MAX	H <sub>2</sub> S - Air Average	Active Discharge during MAX H <sub>2</sub> S reading? (Y/N)
1			
2			
3			
4			
5			
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	0	0	Y
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

**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.

November 12, 2020

Signature of Principal Executive or Authorized Agent

Jennifer Kouna

Date

26					
27					
28					
29					
30					
31					
Monthly MAX	0	10/6/20-10/14/20			
Monthly AVG	0				

**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: 10/14/2020  
 Report Group: CHLS-P\_101420

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: LEPS201007P  
 SDG/Lab Sample ID: 15744 / L75671-1  
 Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 10/07/2020  
 LoginDate: 10/07/2020  
 Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	.939		.0524	.0524		10/09/2020	10/09/2020	WG172340
Antimony, Total	10	mg/L	.024		.00314	.00314		10/09/2020	10/09/2020	WG172340
Arsenic, Total	10	mg/L	.225		.000524	.000524	1	10/09/2020	10/09/2020	WG172340
Barium, Total	10	mg/L	.0484		.00524	.00524		10/09/2020	10/09/2020	WG172340
Beryllium, Total	10	mg/L	<.00105	U	.00105	.00105		10/09/2020	10/09/2020	WG172340
Cadmium, Total	10	mg/L	<.000524	U	.000524	.000524	0.5	10/09/2020	10/09/2020	WG172340
Calcium, Total	10	mg/L	58.5		.524	.524		10/09/2020	10/09/2020	WG172340
Chromium, Total	10	mg/L	.165		.0021	.0021	2.75	10/09/2020	10/09/2020	WG172340
Cobalt, Total	10	mg/L	.0389		.000524	.000524		10/09/2020	10/09/2020	WG172340
Copper, Total	10	mg/L	.00846		.0021	.0021	3	10/09/2020	10/09/2020	WG172340
Iron, Total	10	mg/L	9.73		.105	.105		10/09/2020	10/09/2020	WG172340
Lead, Total	10	mg/L	.00244		.00105	.00105	2	10/09/2020	10/09/2020	WG172340
Magnesium, Total	10	mg/L	72.8		.524	.524		10/09/2020	10/09/2020	WG172340
Manganese, Total	10	mg/L	.333		.00105	.00105		10/09/2020	10/09/2020	WG172340
Nickel, Total	10	mg/L	.164		.00105	.00105	2.5	10/09/2020	10/09/2020	WG172340
Phosphorus, Total	10	mg/L	6.37		1.05	1.05		10/09/2020	10/09/2020	WG172340
Potassium, Total	10	mg/L	440		1.05	1.05		10/09/2020	10/09/2020	WG172340
Selenium, Total	10	mg/L	<.00524	U	.00524	.00524		10/09/2020	10/09/2020	WG172340
Silver, Total	10	mg/L	<.000419	U	.000419	.000419	1	10/09/2020	10/09/2020	WG172340
Sodium, Total	10	mg/L	1280		1.05	1.05		10/09/2020	10/09/2020	WG172340
Thallium, Total	10	mg/L	<.00105	U	.00105	.00105		10/09/2020	10/09/2020	WG172340
Tin, Total	10	mg/L	.018		.00524	.00524		10/09/2020	10/09/2020	WG172340
Vanadium, Total	10	mg/L	.0516		.000786	.000786		10/09/2020	10/09/2020	WG172340
Zinc, Total	10	mg/L	.248		.00524	.00524	5	10/09/2020	10/09/2020	WG172340
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		10/12/2020	10/13/2020	WG172413

Target Parameter Count for SDG: 25



# King County Environmental Laboratory

Client: King County Division of Solid Waste  
 Date Reported: 10/21/2020  
 Report Group: CHLS-P\_102120

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: LEPS201013P  
 SDG/Lab Sample ID: 15854 / L75514-1  
 Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 10/13/2020  
 LoginDate: 10/14/2020  
 Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	.799		.0515	.0515		10/15/2020	10/16/2020	WG172483
Antimony, Total	10	mg/L	.0218		.00309	.00309		10/15/2020	10/16/2020	WG172483
Arsenic, Total	10	mg/L	.204		.000515	.000515	1	10/15/2020	10/16/2020	WG172483
Barium, Total	10	mg/L	.0558		.00515	.00515		10/15/2020	10/16/2020	WG172483
Beryllium, Total	10	mg/L	<.00103	U	.00103	.00103		10/15/2020	10/16/2020	WG172483
Cadmium, Total	10	mg/L	<.000515	U	.000515	.000515	0.5	10/15/2020	10/16/2020	WG172483
Calcium, Total	10	mg/L	66.4		.515	.515		10/15/2020	10/16/2020	WG172483
Chromium, Total	10	mg/L	.151		.00206	.00206	2.75	10/15/2020	10/16/2020	WG172483
Cobalt, Total	10	mg/L	.0371		.000515	.000515		10/15/2020	10/16/2020	WG172483
Copper, Total	10	mg/L	.00865		.00206	.00206	3	10/15/2020	10/16/2020	WG172483
Iron, Total	10	mg/L	9.23		.103	.103		10/15/2020	10/16/2020	WG172483
Lead, Total	10	mg/L	.00206		.00103	.00103	2	10/15/2020	10/16/2020	WG172483
Magnesium, Total	10	mg/L	65.1		.515	.515		10/15/2020	10/16/2020	WG172483
Manganese, Total	10	mg/L	.466		.00103	.00103		10/15/2020	10/16/2020	WG172483
Nickel, Total	10	mg/L	.146		.00103	.00103	2.5	10/15/2020	10/16/2020	WG172483
Phosphorus, Total	10	mg/L	6.18		1.03	1.03		10/15/2020	10/16/2020	WG172483
Potassium, Total	10	mg/L	398		1.03	1.03		10/15/2020	10/16/2020	WG172483
Selenium, Total	10	mg/L	<.00515	U	.00515	.00515		10/15/2020	10/16/2020	WG172483
Silver, Total	10	mg/L	<.000412	U	.000412	.000412	1	10/15/2020	10/16/2020	WG172483
Sodium, Total	10	mg/L	1130		1.03	1.03		10/15/2020	10/16/2020	WG172483
Thallium, Total	10	mg/L	<.00103	U	.00103	.00103		10/15/2020	10/16/2020	WG172483
Tin, Total	10	mg/L	.0131		.00515	.00515		10/15/2020	10/16/2020	WG172483
Vanadium, Total	10	mg/L	.0468		.000773	.000773		10/15/2020	10/16/2020	WG172483
Zinc, Total	10	mg/L	.23		.00515	.00515	5	10/15/2020	10/16/2020	WG172483
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		10/15/2020	10/16/2020	WG172497

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
 Date Reported: 10/28/2020  
 Report Group: CHLS-P\_102720

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: LEPS201020P  
 SDG/Lab Sample ID: 15882 / L75635-1  
 Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 10/20/2020  
 LoginDate: 10/21/2020  
 Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	1.02		.0499	.0499		10/22/2020	10/22/2020	WG172624
Antimony, Total	10	mg/L	.017		.003	.003		10/22/2020	10/22/2020	WG172624
Arsenic, Total	10	mg/L	.171		.000499	.000499	1	10/22/2020	10/22/2020	WG172624
Barium, Total	10	mg/L	.0941		.00499	.00499		10/22/2020	10/22/2020	WG172624
Beryllium, Total	10	mg/L	<.000999	U	.000999	.000999		10/22/2020	10/22/2020	WG172624
Cadmium, Total	10	mg/L	<.000499	U	.000499	.000499	0.5	10/22/2020	10/22/2020	WG172624
Calcium, Total	10	mg/L	105		.499	.499		10/22/2020	10/22/2020	WG172624
Chromium, Total	10	mg/L	.121		.002	.002	2.75	10/22/2020	10/22/2020	WG172624
Cobalt, Total	10	mg/L	.0305		.000499	.000499		10/22/2020	10/22/2020	WG172624
Copper, Total	10	mg/L	.00822		.002	.002	3	10/22/2020	10/22/2020	WG172624
Iron, Total	10	mg/L	10.2		.0999	.0999		10/22/2020	10/22/2020	WG172624
Lead, Total	10	mg/L	.00192		.000999	.000999	2	10/22/2020	10/22/2020	WG172624
Magnesium, Total	10	mg/L	57.9		.499	.499		10/22/2020	10/22/2020	WG172624
Manganese, Total	10	mg/L	1.23		.000999	.000999		10/22/2020	10/22/2020	WG172624
Nickel, Total	10	mg/L	.113		.000999	.000999	2.5	10/22/2020	10/22/2020	WG172624
Phosphorus, Total	10	mg/L	5.55		.999	.999		10/22/2020	10/22/2020	WG172624
Potassium, Total	10	mg/L	330		.999	.999		10/22/2020	10/22/2020	WG172624
Selenium, Total	10	mg/L	<.00499	U	.00499	.00499		10/22/2020	10/22/2020	WG172624
Silver, Total	10	mg/L	<.000399	U	.000399	.000399	1	10/22/2020	10/22/2020	WG172624
Sodium, Total	10	mg/L	955		.999	.999		10/22/2020	10/22/2020	WG172624
Thallium, Total	10	mg/L	<.000999	U	.000999	.000999		10/22/2020	10/22/2020	WG172624
Tin, Total	10	mg/L	.0118		.00499	.00499		10/22/2020	10/22/2020	WG172624
Vanadium, Total	10	mg/L	.0425		.000749	.000749		10/22/2020	10/22/2020	WG172624
Zinc, Total	10	mg/L	.211		.00499	.00499	5	10/22/2020	10/22/2020	WG172624
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		10/22/2020	10/23/2020	WG172644

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 11/05/2020  
Report Group: CHLS-P\_110520

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS201027P  
SDG/Lab Sample ID: 15885 / L75687-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 10/27/2020  
LoginDate: 10/29/2020  
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		10/29/2020	11/02/2020	WG172768
Aluminum, Total	10	mg/L	.87		.0503	.0503		10/30/2020	11/02/2020	WG172790
Antimony, Total	10	mg/L	.0118		.00302	.00302		10/30/2020	11/02/2020	WG172790
Arsenic, Total	10	mg/L	.106		.000503	.000503	1	10/30/2020	11/02/2020	WG172790
Barium, Total	10	mg/L	.0846		.00503	.00503		10/30/2020	11/02/2020	WG172790
Beryllium, Total	10	mg/L	<.00101	U	.00101	.00101		10/30/2020	11/02/2020	WG172790
Cadmium, Total	10	mg/L	<.000503	U	.000503	.000503	0.5	10/30/2020	11/02/2020	WG172790
Calcium, Total	10	mg/L	94.1		.503	.503		10/30/2020	11/02/2020	WG172790
Chromium, Total	10	mg/L	.0831		.00201	.00201	2.75	10/30/2020	11/02/2020	WG172790
Cobalt, Total	10	mg/L	.0211		.000503	.000503		10/30/2020	11/02/2020	WG172790
Copper, Total	10	mg/L	.01		.00201	.00201	3	10/30/2020	11/02/2020	WG172790
Iron, Total	10	mg/L	7.78		.101	.101		10/30/2020	11/02/2020	WG172790
Lead, Total	10	mg/L	.00189		.00101	.00101	2	10/30/2020	11/02/2020	WG172790
Magnesium, Total	10	mg/L	42.9		.503	.503		10/30/2020	11/02/2020	WG172790
Manganese, Total	10	mg/L	.949		.00101	.00101		10/30/2020	11/02/2020	WG172790
Nickel, Total	10	mg/L	.0865		.00101	.00101	2.5	10/30/2020	11/02/2020	WG172790
Phosphorus, Total	10	mg/L	3.6		1.01	1.01		10/30/2020	11/02/2020	WG172790
Potassium, Total	10	mg/L	214		1.01	1.01		10/30/2020	11/02/2020	WG172790
Selenium, Total	10	mg/L	<.00503	U	.00503	.00503		10/30/2020	11/02/2020	WG172790
Silver, Total	10	mg/L	<.000402	U	.000402	.000402	1	10/30/2020	11/02/2020	WG172790
Sodium, Total	10	mg/L	622		1.01	1.01		10/30/2020	11/02/2020	WG172790
Thallium, Total	10	mg/L	<.00101	U	.00101	.00101		10/30/2020	11/02/2020	WG172790
Tin, Total	10	mg/L	.00738		.00503	.00503		10/30/2020	11/02/2020	WG172790
Vanadium, Total	10	mg/L	.03	D	.000754	.000754		10/30/2020	11/02/2020	WG172790
Zinc, Total	10	mg/L	.131		.00503	.00503	5	10/30/2020	11/02/2020	WG172790

Target Parameter Count for SDG: 25



## HYDROGEN SULFIDE GAS AT MANHOLE R10-52

Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	8/31/20 @ 11:41
Sample Count	Interval Time (sec)	Bump Test Date
23461	30	9/30/20 @ 13:47
H2S Readings		
Date	Daily Max	Daily Average
10/6/2020	0	0
10/7/2020	0	0
10/8/2020	0	0
10/9/2020	0	0
10/10/2020	0	0
10/11/2020	0	0
10/12/2020	0	0
10/13/2020	0	0
10/14/2020	0	0

KING COUNTY SOLID WASTE DIVISION  
LEACHATE HAULING REPORT  
TANKER LOADS

MONTH: OCTOBER  
YEAR: 2020

DATE LOAD	BRIGHT		DUVALL		SPOK.		VASHON		HOBART		OTHER		REMARKS
	6000	7000	6000	C.H. 7000	6000	7000	6000	C.H. 7000	6000	C.H. 7000	6000	C.H. 7000	
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
TOTAL	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	204000	497000.00	

9.00 CH to Renton treatment plant  
9.00 CH to Renton treatment plant  
7.00 CH to Renton treatment plant  
5.00 CH to Renton treatment plant  
4.00 CH to Renton treatment plant



**King County**

**Solid Waste Division**

Department of Natural Resources and Parks

King Street Center

201 South Jackson Street, Suite 701

Seattle, WA 98104-3855


**206-477-4466**

711 TTY Relay

[www.kingcounty.gov/solidwaste](http://www.kingcounty.gov/solidwaste)

December 15, 2020

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

FM: Colleen Christensen, Engineer III, Solid Waste Division 

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

The purpose of the memorandum is to enclose the Self-Monitoring Report for Cedar Hills (Permit Number 7842-03) for the month of November 2020. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 11/3/20, 11/10/20, 11/18/20, and 11/24/20)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 11/2/20-11/6/20; 11/13/20-11/24/20)
- Leachate Hauling Report (for November)

At monitoring location A90021, there were four arsenic loading exceedances measured during the month of November. KCIW was notified of these exceedances on 11/17, 11/20, 12/1 and 12/14. Details of these exceedances are provided in two 14-day reports, submitted to KCIW on 11/20/20 and 12/15/20.

Please contact me directly if you have any questions. I can be reached at (206) 263-1020, on my cell phone at (206) 512-7100, or by e-mail at [colleen.christensen@kingcounty.gov](mailto:colleen.christensen@kingcounty.gov).

Enclosures

cc: Glynda Steiner, Deputy Division Director, Solid Waste Division (SWD)  
Neil Fujii, Facilities Engineering and Science Section Manager, SWD  
Jennifer Keune, Environmental Compliance Coordinator, SWD  
Isabel McClure, Interim Supervising Engineer, SWD  
Dan Swope, Engineer III, SWD  
Toraj Ghofrani, Engineer III, SWD  
Sandy Jimenez, Engineer II, SWD  
Nina Wester, Environmental Scientist 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

King County

Company Name: King County SWD - Cedar Hills Landfill Sample Site No. A90021 Permit No.: 7842-03

Please Specify Month & Year: Month: NOVEMBER 2020 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												435,300	
2												0	
3	C	6.83	0.105	0.3843	<0.0005	0.0009	0.0813	0.2975	0.00906	0.0332	<0.1 ppm	438,800	
4												475,900	
5												973,700	
6												931,700	
7												631,300	
8												0	
9												579,500	
10	C	8.46	0.0954	0.6936	<0.0005	0.0018	0.0776	0.5642	0.0116	0.0843	<0.1 ppm	871,700	
11												376,700	
12												1,039,200	
13												0	
14												974,100	
15												871,900	
16												1,064,500	
17												810,200	
18	C	8.39	0.0712	0.3727	<0.0005	0.0013	0.0579	0.3031	0.00823	0.0431	<0.1 ppm	627,600	
19												876,700	
20												1,024,300	
21												1,078,300	
22												781,000	
23												824,000	
24	C	NR*	0.0565	0.3047	<0.0005	0.0013	0.0442	0.2384	0.00822	0.0443	<0.1 ppm	646,700	*Field sheet misplaced;
25												582,600	will send
26												400,600	revised SMR
27												403,100	when found
28												1,072,700	
29												76,100	
30												0	
31												N/A	

Monthly Min pH 6.83

Monthly Max pH 8.46

11/3/20

11/10/20

Total Monthly Flow (gallons)

18,868,200

Maximum Daily Flow


1,078,300

PLEASE CIRCLE ALL PERMIT VIOLATIONS

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

11/21/20

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.

Designed by:   
Signature of Participant, Executive or Authorized Agent  
Date 12/15/2020





# Industrial Waste Program Monthly Self-Monitoring Report

Page 2 of 2

King County

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 2020

This form is available at [www.kingcounty.gov/industrialwaste](http://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	C	0.00184	0.00673	<0.0001	0.00018	0.082	0.300	<0.0004	0.0007	0.118	0.432	
4												
5												
6												
7												
8												
9												
10	C	0.00176	0.01280	<0.0001	0.00036	0.0802	0.583	<0.0004	0.0015	0.155	1.127	
11												
12												
13												
14												
15												
16												
17												
18	C	0.00153	0.00801	<0.0001	0.00026	0.0588	0.308	<0.0004	0.0010	0.0917	0.480	
19												
20												
21												
22												
23												
24	C	0.00139	0.00750	<0.0001	0.00027	0.0495	0.267	<0.0004	0.0011	0.0735	0.396	
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.

Signature of Principal Executive or Authorized Agent  
Date 12/15/2020

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

PLEASE CIRCLE ALL PERMIT VIOLATIONS



# Industrial Waste Program Monthly Self-Monitoring Report

King County

## 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

Permit No.: 7842-03

Sample Site No. A9002

Company Name: King County SWD - Cedar Hills Landfill

Month: NOVEMBER 2020

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

Please Specify Month & Year:

All units are PPM unless otherwise noted.

Sample Date (circle)	H <sub>2</sub> S - Air MAX	H <sub>2</sub> S - Air Average	Active Discharge during MAX H <sub>2</sub> S reading? (Y/N)	Notes
1				The Eagle RKL gas meter battery failed on 11/6/20; the meter was serviced and put back in to R10-52 on 11/13 to fulfill permit requirements.
2	0	0	Y	
3	0	0	Y	
4	0	0	Y	
5	0	0	Y	
6	0	0	Y	
7				
8				
9				
10				
11				
12				
13	0	0	Y	
14	0	0	Y	
15	0	0	Y	
16	0	0	Y	
17	0	0	Y	
18	0	0	Y	
19	0	0	Y	
20	0	0	Y	
21	0	0	Y	
22	0	0	Y	
23	0	0	Y	
24	0	0	Y	
25				
26				
27				
28				
29				
30				
31				
Monthly MAX	0		11/2-11/24	
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.

Designed by:

Signature of Principal Executive or Authorized Agent

12/15/2020

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: 11/13/2020  
 Report Group: CHLS-P\_111220

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: LEPS201103P	CollectDate: 11/03/2020
SDG/Lab Sample ID: 15832 / L75694-1	LoginDate: 11/04/2020
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	.627			.0502	.0502		11/04/2020	11/05/2020	WG172900
Antimony, Total	10	mg/L	.0117			.00301	.00301		11/04/2020	11/05/2020	WG172900
Arsenic, Total	10	mg/L	.105	D		.000502	.000502	1	11/04/2020	11/05/2020	WG172900
Barium, Total	10	mg/L	.0774			.00502	.00502		11/04/2020	11/05/2020	WG172900
Beryllium, Total	10	mg/L	<.001	U		.001	.001		11/04/2020	11/05/2020	WG172900
Cadmium, Total	10	mg/L	<.000502	U		.000502	.000502	0.5	11/04/2020	11/05/2020	WG172900
Calcium, Total	10	mg/L	85.2			.502	.502		11/04/2020	11/05/2020	WG172900
Chromium, Total	10	mg/L	.0813			.00201	.00201	2.75	11/04/2020	11/05/2020	WG172900
Cobalt, Total	10	mg/L	.0202			.000502	.000502		11/04/2020	11/05/2020	WG172900
Copper, Total	10	mg/L	.00906			.00201	.00201	3	11/04/2020	11/05/2020	WG172900
Iron, Total	10	mg/L	6.98			.1	.1		11/04/2020	11/05/2020	WG172900
Lead, Total	10	mg/L	.00184			.001	.001	2	11/04/2020	11/05/2020	WG172900
Magnesium, Total	10	mg/L	42			.502	.502		11/04/2020	11/05/2020	WG172900
Manganese, Total	10	mg/L	.617			.001	.001		11/04/2020	11/05/2020	WG172900
Nickel, Total	10	mg/L	.082			.001	.001	2.5	11/04/2020	11/05/2020	WG172900
Phosphorus, Total	10	mg/L	3.33			1	1		11/04/2020	11/05/2020	WG172900
Potassium, Total	10	mg/L	211			1	1		11/04/2020	11/05/2020	WG172900
Selenium, Total	10	mg/L	<.00502	U		.00502	.00502		11/04/2020	11/05/2020	WG172900
Silver, Total	10	mg/L	<.000402	U		.000402	.000402	1	11/04/2020	11/05/2020	WG172900
Sodium, Total	10	mg/L	605			1	1		11/04/2020	11/05/2020	WG172900
Thallium, Total	10	mg/L	<.001	U		.001	.001		11/04/2020	11/05/2020	WG172900
Tin, Total	10	mg/L	.00772			.00502	.00502		11/04/2020	11/05/2020	WG172900
Vanadium, Total	10	mg/L	.0273	D		.000753	.000753		11/04/2020	11/05/2020	WG172900
Zinc, Total	10	mg/L	.118			.00502	.00502	5	11/04/2020	11/05/2020	WG172900
Mercury, Total	2	mg/L	<.0001	U		.0001	.0001		11/05/2020	11/06/2020	WG172935

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
 Date Reported: 11/19/2020  
 Report Group: CHLS-P\_111920

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: LEPS201110P	CollectDate: 11/10/2020
SDG/Lab Sample ID: 15835 / L75783-1	LoginDate: 11/12/2020
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	1.2		.0509	.0509		11/13/2020	11/13/2020	WG173029
Antimony, Total	10	mg/L	.011		.00306	.00306		11/13/2020	11/13/2020	WG173029
Arsenic, Total	10	mg/L	.0954		.000509	.000509	1	11/13/2020	11/13/2020	WG173029
Barium, Total	10	mg/L	.082		.00509	.00509		11/13/2020	11/13/2020	WG173029
Beryllium, Total	10	mg/L	<.00102	U	.00102	.00102		11/13/2020	11/13/2020	WG173029
Cadmium, Total	10	mg/L	<.000509	U	.000509	.000509	0.5	11/13/2020	11/13/2020	WG173029
Calcium, Total	10	mg/L	92.7		.509	.509		11/13/2020	11/13/2020	WG173029
Chromium, Total	10	mg/L	.0776		.00204	.00204	2.75	11/13/2020	11/13/2020	WG173029
Cobalt, Total	10	mg/L	.0196		.000509	.000509		11/13/2020	11/13/2020	WG173029
Copper, Total	10	mg/L	.0116		.00204	.00204	3	11/13/2020	11/13/2020	WG173029
Iron, Total	10	mg/L	8.32		.102	.102		11/13/2020	11/13/2020	WG173029
Lead, Total	10	mg/L	.00176		.00102	.00102	2	11/13/2020	11/13/2020	WG173029
Magnesium, Total	10	mg/L	39.6		.509	.509		11/13/2020	11/13/2020	WG173029
Manganese, Total	10	mg/L	.922		.00102	.00102		11/13/2020	11/13/2020	WG173029
Nickel, Total	10	mg/L	.0802		.00102	.00102	2.5	11/13/2020	11/13/2020	WG173029
Phosphorus, Total	10	mg/L	3.28		1.02	1.02		11/13/2020	11/13/2020	WG173029
Potassium, Total	10	mg/L	192		1.02	1.02		11/13/2020	11/13/2020	WG173029
Selenium, Total	10	mg/L	<.00509	U	.00509	.00509		11/13/2020	11/13/2020	WG173029
Silver, Total	10	mg/L	<.000407	U	.000407	.000407	1	11/13/2020	11/13/2020	WG173029
Sodium, Total	10	mg/L	576		1.02	1.02		11/13/2020	11/13/2020	WG173029
Thallium, Total	10	mg/L	<.00102	U	.00102	.00102		11/13/2020	11/13/2020	WG173029
Tin, Total	10	mg/L	.00841		.00509	.00509		11/13/2020	11/13/2020	WG173029
Vanadium, Total	10	mg/L	.0255		.000764	.000764		11/13/2020	11/13/2020	WG173029
Zinc, Total	10	mg/L	.155		.00509	.00509	5	11/13/2020	11/13/2020	WG173029
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		11/13/2020	11/16/2020	WG173048

Target Parameter Count for SDG: 25

# King County Environmental Laboratory

Client: King County Division of Solid Waste  
 Date Reported: 12/01/2020  
 Report Group: CHLS-P\_113020

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: LEPS201118P	CollectDate: 11/18/2020
SDG/Lab Sample ID: 15895 / L75946-1	LoginDate: 11/19/2020
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Metals										
Constituent	D.F.	Unit	Results	Q	MDL	RDL	Reg Limit	Prep Date	Run Date	Run
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		11/19/2020	11/20/2020	WG173181
Aluminum, Total	10	mg/L	.956		.0502	.0502		11/19/2020	11/20/2020	WG173189
Antimony, Total	10	mg/L	.00858		.00301	.00301		11/19/2020	11/20/2020	WG173189
Arsenic, Total	10	mg/L	.0712		.000502	.000502	1	11/19/2020	11/20/2020	WG173189
Barium, Total	10	mg/L	.0812		.00502	.00502		11/19/2020	11/20/2020	WG173189
Beryllium, Total	10	mg/L	<.001	U	.001	.001		11/19/2020	11/20/2020	WG173189
Cadmium, Total	10	mg/L	<.000502	U	.000502	.000502	0.5	11/19/2020	11/20/2020	WG173189
Calcium, Total	10	mg/L	93.8		.502	.502		11/19/2020	11/20/2020	WG173189
Chromium, Total	10	mg/L	.0579		.00201	.00201	2.75	11/19/2020	11/20/2020	WG173189
Cobalt, Total	10	mg/L	.0152		.000502	.000502		11/19/2020	11/20/2020	WG173189
Copper, Total	10	mg/L	.00823		.00201	.00201	3	11/19/2020	11/20/2020	WG173189
Iron, Total	10	mg/L	8.25		.1	.1		11/19/2020	11/20/2020	WG173189
Lead, Total	10	mg/L	.00153		.001	.001	2	11/19/2020	11/20/2020	WG173189
Magnesium, Total	10	mg/L	33.4		.502	.502		11/19/2020	11/20/2020	WG173189
Manganese, Total	10	mg/L	1.08		.001	.001		11/19/2020	11/20/2020	WG173189
Nickel, Total	10	mg/L	.0588		.001	.001	2.5	11/19/2020	11/20/2020	WG173189
Phosphorus, Total	10	mg/L	2.84		1	1		11/19/2020	11/20/2020	WG173189
Potassium, Total	10	mg/L	153		1	1		11/19/2020	11/20/2020	WG173189
Selenium, Total	10	mg/L	<.00502	U	.00502	.00502		11/19/2020	11/20/2020	WG173189
Silver, Total	10	mg/L	<.000402	U	.000402	.000402	1	11/19/2020	11/20/2020	WG173189
Sodium, Total	10	mg/L	439		1	1		11/19/2020	11/20/2020	WG173189
Thallium, Total	10	mg/L	<.001	U	.001	.001		11/19/2020	11/20/2020	WG173189
Tin, Total	10	mg/L	.00675		.00502	.00502		11/19/2020	11/20/2020	WG173189
Vanadium, Total	10	mg/L	.0196		.000753	.000753		11/19/2020	11/20/2020	WG173189
Zinc, Total	10	mg/L	.0917		.00502	.00502	5	11/19/2020	11/20/2020	WG173189

Client Sample ID: LEPS201118D	CollectDate: 11/18/2020
SDG/Lab Sample ID: 15895 / L75946-2	LoginDate: 11/19/2020
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit	Matrix: LEACHATE

Metals										
Constituent	D.F.	Unit	Results	Q	MDL	RDL	Reg Limit	Prep Date	Run Date	Run
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		11/19/2020	11/20/2020	WG173181
Aluminum, Total	10	mg/L	.872		.0502	.0502		11/19/2020	11/20/2020	WG173189
Antimony, Total	10	mg/L	.00887		.00301	.00301		11/19/2020	11/20/2020	WG173189
Arsenic, Total	10	mg/L	.0718		.000502	.000502	1	11/19/2020	11/20/2020	WG173189
Barium, Total	10	mg/L	.081		.00502	.00502		11/19/2020	11/20/2020	WG173189
Beryllium, Total	10	mg/L	<.001	U	.001	.001		11/19/2020	11/20/2020	WG173189
Cadmium, Total	10	mg/L	<.000502	U	.000502	.000502	0.5	11/19/2020	11/20/2020	WG173189
Calcium, Total	10	mg/L	95.2		.502	.502		11/19/2020	11/20/2020	WG173189
Chromium, Total	10	mg/L	.0569		.00201	.00201	2.75	11/19/2020	11/20/2020	WG173189
Cobalt, Total	10	mg/L	.0153		.000502	.000502		11/19/2020	11/20/2020	WG173189
Copper, Total	10	mg/L	.00831		.00201	.00201	3	11/19/2020	11/20/2020	WG173189
Iron, Total	10	mg/L	8.26		.1	.1		11/19/2020	11/20/2020	WG173189
Lead, Total	10	mg/L	.00165		.001	.001	2	11/19/2020	11/20/2020	WG173189
Magnesium, Total	10	mg/L	33.7		.502	.502		11/19/2020	11/20/2020	WG173189



# King County Environmental Laboratory

Client: King County Division of Solid Waste  
Date Reported: 12/08/2020  
Report Group: CHLS-P\_120120

Report To: Rosendo Jimenez  
201 S Jackson St, Suite 701  
Seattle, WA 98104-3855

Client Sample ID: LEPS201124P  
SDG/Lab Sample ID: 15898 / L75954-1  
Project Name: SWD-CHLS-P Cedar Hills Leachate Permit

CollectDate: 11/24/2020  
LoginDate: 11/24/2020  
Matrix: LEACHATE

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	.793		.0492	.0492		11/25/2020	11/30/2020	WG173263
Antimony, Total	10	mg/L	.00727		.00295	.00295		11/25/2020	11/30/2020	WG173263
Arsenic, Total	10	mg/L	.0565		.000492	.000492	1	11/25/2020	11/30/2020	WG173263
Barium, Total	10	mg/L	.0753		.00492	.00492		11/25/2020	11/30/2020	WG173263
Beryllium, Total	10	mg/L	<.000983	U	.000983	.000983		11/25/2020	11/30/2020	WG173263
Cadmium, Total	10	mg/L	<.000492	U	.000492	.000492	0.5	11/25/2020	11/30/2020	WG173263
Calcium, Total	10	mg/L	87.9		.492	.492		11/25/2020	11/30/2020	WG173263
Chromium, Total	10	mg/L	.0442		.00197	.00197	2.75	11/25/2020	11/30/2020	WG173263
Cobalt, Total	10	mg/L	.0129		.000492	.000492		11/25/2020	11/30/2020	WG173263
Copper, Total	10	mg/L	.00822		.00197	.00197	3	11/25/2020	11/30/2020	WG173263
Iron, Total	10	mg/L	7.19		.0983	.0983		11/25/2020	11/30/2020	WG173263
Lead, Total	10	mg/L	.00139		.000983	.000983	2	11/25/2020	11/30/2020	WG173263
Magnesium, Total	10	mg/L	28.7		.492	.492		11/25/2020	11/30/2020	WG173263
Manganese, Total	10	mg/L	1.08		.000983	.000983		11/25/2020	11/30/2020	WG173263
Nickel, Total	10	mg/L	.0495		.000983	.000983	2.5	11/25/2020	11/30/2020	WG173263
Phosphorus, Total	10	mg/L	2.22		.983	.983		11/25/2020	11/30/2020	WG173263
Potassium, Total	10	mg/L	119		.983	.983		11/25/2020	11/30/2020	WG173263
Selenium, Total	10	mg/L	<.00492	U	.00492	.00492		11/25/2020	11/30/2020	WG173263
Silver, Total	10	mg/L	<.000393	U	.000393	.000393	1	11/25/2020	11/30/2020	WG173263
Sodium, Total	10	mg/L	337		.983	.983		11/25/2020	11/30/2020	WG173263
Thallium, Total	10	mg/L	<.000983	U	.000983	.000983		11/25/2020	11/30/2020	WG173263
Tin, Total	10	mg/L	<.00492	U	.00492	.00492		11/25/2020	11/30/2020	WG173263
Vanadium, Total	10	mg/L	.0152		.000737	.000737		11/25/2020	11/30/2020	WG173263
Zinc, Total	10	mg/L	.0735		.00492	.00492	5	11/25/2020	11/30/2020	WG173263
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		11/30/2020	12/01/2020	WG173290

Target Parameter Count for SDG: 25

## HYDROGEN SULFIDE GAS AT MANHOLE R10-52

Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	8/31/20 @ 11:41
Sample Count	Interval Time (sec)	Bump Test Date
12,777/31,421	30	11/2/20 @ 10:20

### H2S Readings

Date	Daily Max	Daily Average
11/2/2020	0	0
11/3/2020	0	0
11/4/2020	0	0
11/5/2020	0	0
11/6/2020	0	0

Battery failure found on 11/6-- put Eagle meter back in on 11/13 to fulfill permit requirements

11/13/2020	0	0
11/14/2020	0	0
11/15/2020	0	0
11/16/2020	0	0
11/17/2020	0	0
11/18/2020	0	0
11/19/2020	0	0
11/20/2020	0	0
11/21/2020	0	0
11/22/2020	0	0
11/23/2020	0	0
11/24/2020	0	0

KING COUNTY SOLID WASTE DIVISION  
LEACHATE HAULING REPORT  
TANKER LOADS

MONTH: NOVEMBER  
YEAR: 2020

DATE LOAD	BRIGHT			DUVALL			SPOK.			VASHON			C.H.			HOBART			OTHER			REMARKS
	6000	7000		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																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24																						
25																						
26																						
27																						
28																						
29																						
30																						
31																						
TOTAL	0	0.00		12000	14000.00		0	0.00		0	0.00		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 701

Seattle, WA 98104-3855

**206-477-4466**

711 TTY Relay

[www.kingcounty.gov/solidwaste](http://www.kingcounty.gov/solidwaste)

January 15, 2020

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

FM: Colleen Christensen, Engineer III, Solid Waste Division

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

 DS  
CC

The purpose of the memorandum is to enclose the Self-Monitoring Report for Cedar Hills (Permit Number 7842-03) for the month of December 2020. Enclosed you will find:

- Industrial Waste Discharge Self-Monitoring Report for Sites A9002 & A90021
- Laboratory Test Results for CHLS-P (for samples collected 12/1/20, 12/8/20, 12/17/20, 12/22/20 and 12/29/20)
- Atmospheric Hydrogen Sulfide Data at A9002 (for 12/1/20-12/3/20; 12/11/20-12/16/20)
- Leachate Hauling Report (for December)

At monitoring location A90021, there were five arsenic loading exceedances measured during the month of December. All other results met permit-specified limits. KCIW was notified of the exceedances as follows:

Date of Exceedance	Date Reported to KCIW
12/1/20	12/15/20
12/8/20, 12/17/20	12/29/20
12/22/20, 12/29/20	1/11/21

Due to the holidays, lab results were reported later than the typical turn-around time (9 days), which is why the 12/8, 12/17, 12/22 and 12/29 exceedances were reported in two emails and not individually. Details of these exceedances are provided in two 14-day reports; one was submitted to KCIW on 12/15/20, and the other one will be submitted along with this report, per KCIW's request.

Please contact me directly if you have any questions. I can be reached at (206) 263-1020, on my cell phone at (206) 512-7100, or by e-mail at [colleen.christensen@kingcounty.gov](mailto:colleen.christensen@kingcounty.gov).

Enclosures

cc: Glynda Steiner, Deputy Division Director, Solid Waste Division (SWD)  
Laura Belt, Interim Facilities Engineering and Science Section Manager, SWD  
Jennifer Keune, Environmental Compliance Coordinator, SWD  
Isabel McClure, Interim Supervising Engineer, SWD  
Dan Swope, Engineer III, SWD  
Toraj Ghofrani, Engineer III, SWD  
Sandy Jimenez, Engineer II, SWD  
Nina Wester, Environmental Scientist II, SWD



# Industrial Waste Program Monthly Self-Monitoring Report

Page 1 of 2

King County

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 2020 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	C	8.24	0.0562	0.4430	<0.0005	0.0020	0.0451	0.3555	0.00747	0.0589	<0.1 ppm	945,200	
2												324,800	
3												1,038,300	
4												688,900	
5												0	
6												0	
7												0	
8	C	8.37	0.0618	0.5045	<0.0005	0.0020	0.0462	0.3772	0.00699	0.0571	<0.1 ppm	978,900	
9												1,039,100	
10												1,069,000	
11												1,048,200	
12												0	
13												0	
14												872,200	
15												2,108,800	
16												336,500	
17	C	7.66	0.0624	0.5339	<0.0005	0.0021	0.0473	0.4047	0.012	0.1027	<0.1 ppm	1,026,000	
18												1,030,500	
19												1,011,200	
20												1,015,500	
21												721,300	
22	C	7.67	0.0488	0.4344	<0.0005	0.0022	0.0396	0.3525	0.013	0.1157	<0.1 ppm	1,067,300	
23												1,003,500	
24												1,055,400	
25												412,000	
26												1,037,600	
27												1,027,500	
28												951,400	
29	C	8.14	0.0441	0.3818	<0.0005	0.0022	0.0375	0.3246	0.00992	0.0859	<0.1 ppm	1,038,000	
30												956,300	
31												984,000	

Signature of Principal Executive or Authorized Agent  
Date  
1/15/2021

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 Department of Ecology accredited laboratory for each parameter tested.

Total Monthly Flow (gallons)  
24,787,400  
Maximum Daily Flow  
2,108,800

12/15/20

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

PLEASE CIRCLE ALL PERMIT VIOLATIONS

Monthly Min pH  
7.66  
Monthly Max pH  
8.37





# Industrial Waste Program Monthly Self-Monitoring Report

Page 2 of 2

King County

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 2020 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	C	0.00115	0.00907	<0.0001	0.00039	0.0481	0.379	<0.0004	0.0016	0.0724	0.571	
2												
3												
4												
5												
6												
7												
8	C	0.000998	0.00815	<0.0001	0.00041	0.0491	0.401	<0.0004	0.0016	0.0825	0.674	
9												
10												
11												
12												
13												
14												
15												
16												
17	C	0.00247	0.02114	<0.0001	0.00043	0.0524	0.448	<0.0004	0.0017	0.142	1.215	
18												
19												
20												
21												
22	C	0.00285	0.02537	<0.0001	0.00045	0.0466	0.415	<0.0004	0.0018	0.124	1.104	
23												
24												
25												
26												
27												
28												
29	C	0.0019	0.01645	<0.0001	0.00043	0.041	0.355	<0.0004	0.0017	0.0997	0.863	
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.

Declassified by:   
Signature of Principal Executive or Authorized Agent  
Date 1/15/2021

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

PLEASE CIRCLE ALL PERMIT VIOLATIONS



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](mailto: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: DECEMBER 2020

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

All units are PPM unless otherwise noted.

Sample Date (circle)	H <sub>2</sub> S – Air MAX	H <sub>2</sub> S – Air Average	Active Discharge during MAX H <sub>2</sub> S reading? (Y/N)	Notes
1	0	0	Y	Battery failure discovered on 12/9/20; the meter was taken in for service and then put back in on 12/11 to fulfill permit requirements.
2	0	0	Y	
3	0	0	Y	
4				
5				
6				
7				
8				
9				
10				
11	0	0	Y	
12	0	0	Y	
13	0	0	Y	
14	0	0	Y	
15	0	0	Y	
16	0	0	Y	
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				

Monthly MAX 0

Monthly AVG 0

Signature of Principal Executive or Authorized Agent

1/15/2021

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: 12/14/2020  
 Report Group: CHLS-P\_120920

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: <b>LEPS201201P</b>	CollectDate: <b>12/01/2020</b>
SDG/Lab Sample ID: <b>15901 / L75985-1</b>	LoginDate: <b>12/02/2020</b>
Project Name: <b>SWD-CHLS-P Cedar Hills Leachate Permit</b>	Matrix: <b>LEACHATE</b>

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	.618		.0503	.0503		12/03/2020	12/07/2020	WG173344
Antimony, Total	10	mg/L	.00698		.00302	.00302		12/03/2020	12/07/2020	WG173344
Arsenic, Total	10	mg/L	.0562		.000503	.000503	1	12/03/2020	12/07/2020	WG173344
Barium, Total	10	mg/L	.0713		.00503	.00503		12/03/2020	12/07/2020	WG173344
Beryllium, Total	10	mg/L	<.00101	U	.00101	.00101		12/03/2020	12/07/2020	WG173344
Cadmium, Total	10	mg/L	<.000503	U	.000503	.000503	0.5	12/03/2020	12/07/2020	WG173344
Calcium, Total	10	mg/L	90.6		.503	.503		12/03/2020	12/07/2020	WG173344
Chromium, Total	10	mg/L	.0451		.00201	.00201	2.75	12/03/2020	12/07/2020	WG173344
Cobalt, Total	10	mg/L	.0122		.000503	.000503		12/03/2020	12/07/2020	WG173344
Copper, Total	10	mg/L	.00747		.00201	.00201	3	12/03/2020	12/07/2020	WG173344
Iron, Total	10	mg/L	6.99		.101	.101		12/03/2020	12/07/2020	WG173344
Lead, Total	10	mg/L	.00115		.00101	.00101	2	12/03/2020	12/07/2020	WG173344
Magnesium, Total	10	mg/L	28		.503	.503		12/03/2020	12/07/2020	WG173344
Manganese, Total	10	mg/L	1.08		.00101	.00101		12/03/2020	12/07/2020	WG173344
Nickel, Total	10	mg/L	.0481		.00101	.00101	2.5	12/03/2020	12/07/2020	WG173344
Phosphorus, Total	10	mg/L	2.24		1.01	1.01		12/03/2020	12/07/2020	WG173344
Potassium, Total	10	mg/L	118		1.01	1.01		12/03/2020	12/07/2020	WG173344
Selenium, Total	10	mg/L	<.00503	U	.00503	.00503		12/03/2020	12/07/2020	WG173344
Silver, Total	10	mg/L	<.000402	U	.000402	.000402	1	12/03/2020	12/07/2020	WG173344
Sodium, Total	10	mg/L	324		1.01	1.01		12/03/2020	12/07/2020	WG173344
Thallium, Total	10	mg/L	<.00101	U	.00101	.00101		12/03/2020	12/07/2020	WG173344
Tin, Total	10	mg/L	<.00503	U	.00503	.00503		12/03/2020	12/07/2020	WG173344
Vanadium, Total	10	mg/L	.0142		.000754	.000754		12/03/2020	12/07/2020	WG173344
Zinc, Total	10	mg/L	.0724		.00503	.00503	5	12/03/2020	12/07/2020	WG173344
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		12/03/2020	12/04/2020	WG173355

Target Parameter Count for SDG: 25



## King County Environmental Laboratory

Client: King County Division of Solid Waste  
 Date Reported: 12/29/2020  
 Report Group: CHLS-P\_121620

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: <b>LEPS201208P</b>	CollectDate: <b>12/08/2020</b>
SDG/Lab Sample ID: <b>15978 / L76043-1</b>	LoginDate: <b>12/09/2020</b>
Project Name: <b>SWD-CHLS-P Cedar Hills Leachate Permit</b>	Matrix: <b>LEACHATE</b>

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	.744		.0489	.0489		12/10/2020	12/10/2020	WG173432
Antimony, Total	10	mg/L	.00746		.00293	.00293		12/10/2020	12/10/2020	WG173432
Arsenic, Total	10	mg/L	.0618		.000489	.000489	1	12/10/2020	12/10/2020	WG173432
Barium, Total	10	mg/L	.0791		.00489	.00489		12/10/2020	12/10/2020	WG173432
Beryllium, Total	10	mg/L	<.000978	U	.000978	.000978		12/10/2020	12/10/2020	WG173432
Cadmium, Total	10	mg/L	<.000489	U	.000489	.000489	0.5	12/10/2020	12/10/2020	WG173432
Calcium, Total	10	mg/L	95.6		.489	.489		12/10/2020	12/10/2020	WG173432
Chromium, Total	10	mg/L	.0462		.00196	.00196	2.75	12/10/2020	12/10/2020	WG173432
Cobalt, Total	10	mg/L	.0125		.000489	.000489		12/10/2020	12/10/2020	WG173432
Copper, Total	10	mg/L	.00699		.00196	.00196	3	12/10/2020	12/10/2020	WG173432
Iron, Total	10	mg/L	7.54		.0978	.0978		12/10/2020	12/10/2020	WG173432
Lead, Total	10	mg/L	.000998		.000978	.000978	2	12/10/2020	12/10/2020	WG173432
Magnesium, Total	10	mg/L	30.6		.489	.489		12/10/2020	12/10/2020	WG173432
Manganese, Total	10	mg/L	1.09		.000978	.000978		12/10/2020	12/10/2020	WG173432
Nickel, Total	10	mg/L	.0491		.000978	.000978	2.5	12/10/2020	12/10/2020	WG173432
Phosphorus, Total	10	mg/L	2.6		.978	.978		12/10/2020	12/10/2020	WG173432
Potassium, Total	10	mg/L	129		.978	.978		12/10/2020	12/10/2020	WG173432
Selenium, Total	10	mg/L	<.000489	U	.00489	.00489		12/10/2020	12/10/2020	WG173432
Silver, Total	10	mg/L	<.000391	U	.000391	.000391	1	12/10/2020	12/10/2020	WG173432
Sodium, Total	10	mg/L	361		.978	.978		12/10/2020	12/10/2020	WG173432
Thallium, Total	10	mg/L	<.000978	U	.000978	.000978		12/10/2020	12/10/2020	WG173432
Tin, Total	10	mg/L	.00648		.00489	.00489		12/10/2020	12/10/2020	WG173432
Vanadium, Total	10	mg/L	.0158		.000733	.000733		12/10/2020	12/10/2020	WG173432
Zinc, Total	10	mg/L	.0825		.00489	.00489	5	12/10/2020	12/10/2020	WG173432
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		12/10/2020	12/11/2020	WG173445

Target Parameter Count for SDG: 25

## King County Environmental Laboratory

Client: King County Division of Solid Waste  
 Date Reported: 12/29/2020  
 Report Group: CHLS-P\_122820

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: <b>LEPS201217P</b>	CollectDate: <b>12/17/2020</b>
SDG/Lab Sample ID: <b>15984 / L76056-1</b>	LoginDate: <b>12/18/2020</b>
Project Name: <b>SWD-CHLS-P Cedar Hills Leachate Permit</b>	Matrix: <b>LEACHATE</b>

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	2.37		.0502	.0502		12/21/2020	12/22/2020	WG173610
Antimony, Total	10	mg/L	.00833		.00301	.00301		12/21/2020	12/22/2020	WG173610
Arsenic, Total	10	mg/L	.0624		.000502	.000502	1	12/21/2020	12/22/2020	WG173610
Barium, Total	10	mg/L	.089		.00502	.00502		12/21/2020	12/22/2020	WG173610
Beryllium, Total	10	mg/L	<.001	U	.001	.001		12/21/2020	12/22/2020	WG173610
Cadmium, Total	10	mg/L	<.000502	U	.000502	.000502	0.5	12/21/2020	12/22/2020	WG173610
Calcium, Total	10	mg/L	94.3		.502	.502		12/21/2020	12/22/2020	WG173610
Chromium, Total	10	mg/L	.0473		.00201	.00201	2.75	12/21/2020	12/22/2020	WG173610
Cobalt, Total	10	mg/L	.014		.000502	.000502		12/21/2020	12/22/2020	WG173610
Copper, Total	10	mg/L	.012		.00201	.00201	3	12/21/2020	12/22/2020	WG173610
Iron, Total	10	mg/L	11.5		.1	.1		12/21/2020	12/22/2020	WG173610
Lead, Total	10	mg/L	.00247		.001	.001	2	12/21/2020	12/22/2020	WG173610
Magnesium, Total	10	mg/L	33.7		.502	.502		12/21/2020	12/22/2020	WG173610
Manganese, Total	10	mg/L	.946		.001	.001		12/21/2020	12/22/2020	WG173610
Nickel, Total	10	mg/L	.0524		.001	.001	2.5	12/21/2020	12/22/2020	WG173610
Phosphorus, Total	10	mg/L	2.66		1	1		12/21/2020	12/22/2020	WG173610
Potassium, Total	10	mg/L	130		1	1		12/21/2020	12/22/2020	WG173610
Selenium, Total	10	mg/L	<.00502	U	.00502	.00502		12/21/2020	12/22/2020	WG173610
Silver, Total	10	mg/L	<.000401	U	.000401	.000401	1	12/21/2020	12/22/2020	WG173610
Sodium, Total	10	mg/L	371		1	1		12/21/2020	12/22/2020	WG173610
Thallium, Total	10	mg/L	<.001	U	.001	.001		12/21/2020	12/22/2020	WG173610
Tin, Total	10	mg/L	.00626		.00502	.00502		12/21/2020	12/22/2020	WG173610
Vanadium, Total	10	mg/L	.018		.000753	.000753		12/21/2020	12/22/2020	WG173610
Zinc, Total	10	mg/L	.142	D	.00502	.00502	5	12/21/2020	12/22/2020	WG173610
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		12/21/2020	12/22/2020	WG173630

Target Parameter Count for SDG: 25

## King County Environmental Laboratory

Client: King County Division of Solid Waste  
 Date Reported: 01/10/2021  
 Report Group: CHLS-P\_123020

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: <b>LEPS201222P</b>	CollectDate: <b>12/22/2020</b>
SDG/Lab Sample ID: <b>16028 / L76087-1</b>	LoginDate: <b>12/23/2020</b>
Project Name: <b>SWD-CHLS-P Cedar Hills Leachate Permit</b>	Matrix: <b>LEACHATE</b>

Constituent	D.F.	Unit	Metals		MDL	RDL	Reg Limit	Prep Date	Run Date	Run
			Results	Q						
Aluminum, Total	10	mg/L	1.75		.0494	.0494		12/23/2020	12/28/2020	WG173669
Antimony, Total	10	mg/L	.00668		.00297	.00297		12/23/2020	12/28/2020	WG173669
Arsenic, Total	10	mg/L	.0488		.000494	.000494	1	12/23/2020	12/28/2020	WG173669
Barium, Total	10	mg/L	.0852		.00494	.00494		12/23/2020	12/28/2020	WG173669
Beryllium, Total	10	mg/L	<.000989	U	.000989	.000989		12/23/2020	12/28/2020	WG173669
Cadmium, Total	10	mg/L	<.000494	U	.000494	.000494	0.5	12/23/2020	12/28/2020	WG173669
Calcium, Total	10	mg/L	89.6		.494	.494		12/23/2020	12/28/2020	WG173669
Chromium, Total	10	mg/L	.0396		.00198	.00198	2.75	12/23/2020	12/28/2020	WG173669
Cobalt, Total	10	mg/L	.0129		.000494	.000494		12/23/2020	12/28/2020	WG173669
Copper, Total	10	mg/L	.013		.00198	.00198	3	12/23/2020	12/28/2020	WG173669
Iron, Total	10	mg/L	10.2		.0989	.0989		12/23/2020	12/28/2020	WG173669
Lead, Total	10	mg/L	.00285		.000989	.000989	2	12/23/2020	12/28/2020	WG173669
Magnesium, Total	10	mg/L	27.1		.494	.494		12/23/2020	12/28/2020	WG173669
Manganese, Total	10	mg/L	1.13		.000989	.000989		12/23/2020	12/28/2020	WG173669
Nickel, Total	10	mg/L	.0466		.000989	.000989	2.5	12/23/2020	12/28/2020	WG173669
Phosphorus, Total	10	mg/L	2.07		.989	.989		12/23/2020	12/28/2020	WG173669
Potassium, Total	10	mg/L	103		.989	.989		12/23/2020	12/28/2020	WG173669
Selenium, Total	10	mg/L	<.00494	U	.00494	.00494		12/23/2020	12/28/2020	WG173669
Silver, Total	10	mg/L	<.000396	U	.000396	.000396	1	12/23/2020	12/28/2020	WG173669
Sodium, Total	10	mg/L	288		.989	.989		12/23/2020	12/28/2020	WG173669
Thallium, Total	10	mg/L	<.000989	U	.000989	.000989		12/23/2020	12/28/2020	WG173669
Tin, Total	10	mg/L	<.00494	U	.00494	.00494		12/23/2020	12/28/2020	WG173669
Vanadium, Total	10	mg/L	.0145		.000742	.000742		12/23/2020	12/28/2020	WG173669
Zinc, Total	10	mg/L	.124		.00494	.00494	5	12/23/2020	12/28/2020	WG173669
Mercury, Total	2	mg/L	<.0001	U	.0001	.0001		12/24/2020	12/24/2020	WG173680

Target Parameter Count for SDG: 25



## King County Environmental Laboratory

Client: King County Division of Solid Waste  
 Date Reported: 01/08/2021  
 Report Group: CHLS-P\_010621

Report To: Rosendo Jimenez  
 201 S Jackson St, Suite 701  
 Seattle, WA 98104-3855

Client Sample ID: <b>LEPS201230P</b>	CollectDate: <b>12/29/2020</b>
SDG/Lab Sample ID: <b>15918 / L76090-1</b>	LoginDate: <b>12/30/2020</b>
Project Name: <b>SWD-CHLS-P Cedar Hills Leachate Permit</b>	Matrix: <b>LEACHATE</b>

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		12/30/2020	01/04/2021	WG173754
Aluminum, Total	10	mg/L	1.49		.0504	.0504		12/31/2020	12/31/2020	WG173756
Antimony, Total	10	mg/L	.00581		.00302	.00302		12/31/2020	12/31/2020	WG173756
Arsenic, Total	10	mg/L	.0441		.000504	.000504	1	12/31/2020	12/31/2020	WG173756
Barium, Total	10	mg/L	.0749		.00504	.00504		12/31/2020	12/31/2020	WG173756
Beryllium, Total	10	mg/L	<.00101	U	.00101	.00101		12/31/2020	12/31/2020	WG173756
Cadmium, Total	10	mg/L	<.000504	U	.000504	.000504	0.5	12/31/2020	12/31/2020	WG173756
Calcium, Total	10	mg/L	84		.504	.504		12/31/2020	12/31/2020	WG173756
Chromium, Total	10	mg/L	.0375		.00201	.00201	2.75	12/31/2020	12/31/2020	WG173756
Cobalt, Total	10	mg/L	.0111		.000504	.000504		12/31/2020	12/31/2020	WG173756
Copper, Total	10	mg/L	.00992		.00201	.00201	3	12/31/2020	12/31/2020	WG173756
Iron, Total	10	mg/L	8.53		.101	.101		12/31/2020	12/31/2020	WG173756
Lead, Total	10	mg/L	.0019		.00101	.00101	2	12/31/2020	12/31/2020	WG173756
Magnesium, Total	10	mg/L	25.3		.504	.504		12/31/2020	12/31/2020	WG173756
Manganese, Total	10	mg/L	1.11		.00101	.00101		12/31/2020	12/31/2020	WG173756
Nickel, Total	10	mg/L	.041		.00101	.00101	2.5	12/31/2020	12/31/2020	WG173756
Phosphorus, Total	10	mg/L	2.04		1.01	1.01		12/31/2020	12/31/2020	WG173756
Potassium, Total	10	mg/L	94.9		1.01	1.01		12/31/2020	12/31/2020	WG173756
Selenium, Total	10	mg/L	<.00504	U	.00504	.00504		12/31/2020	12/31/2020	WG173756
Silver, Total	10	mg/L	<.000403	U	.000403	.000403	1	12/31/2020	12/31/2020	WG173756
Sodium, Total	10	mg/L	267		1.01	1.01		12/31/2020	12/31/2020	WG173756
Thallium, Total	10	mg/L	<.00101	U	.00101	.00101		12/31/2020	12/31/2020	WG173756
Tin, Total	10	mg/L	<.00504	U	.00504	.00504		12/31/2020	12/31/2020	WG173756
Vanadium, Total	10	mg/L	.0133		.000755	.000755		12/31/2020	12/31/2020	WG173756
Zinc, Total	10	mg/L	.0997		.00504	.00504	5	12/31/2020	12/31/2020	WG173756

Target Parameter Count for SDG: 25

## HYDROGEN SULFIDE GAS AT MANHOLE R10-52

Instrument #	Serial #	Calibration Date/Time
RKI Eagle 2	E2E656	12/10/20 @ 11:21
Sample Count	Interval Time (sec)	Bump Test Date
7,122/14,242	30	12/10/20 @ 11:23
H2S Readings		
Date	Daily Max	Daily Average
12/1/2020	0	0
12/2/2020	0	0
12/3/2020	0	0
Battery failure found on 12/9-- put Eagle meter back in on 12/11 to fulfill permit requirements		
12/11/2020	0	0
12/12/2020	0	0
12/13/2020	0	0
12/14/2020	0	0
12/15/2020	0	0
12/16/2020	0	0

|



**KING COUNTY SOLID WASTE DIVISION**  
**LEACHATE HAULING REPORT**  
**TANKER LOADS**

MONTH: DECEMBER  
YEAR: 2020

	DUVALL						VASHON				HOBART		OTHER		
DATE	BRIGHT		C.H.		SPOK.		SPOK.		C.H.		C.H.		C.H.		REMARKS
LOAD	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	6000	7000	
1															
2															
3															
4															
5															
6															
7															
8							2								
9	3														
10															
11															
12															
13															
14															
15															
16															
17							2								
18							2								
19							2								
20			1	1					1						
21								2							
22								2							
23			3												
24			3												
25															
26			1												
27															
28															
29															
30		3		1											
31															
TOTAL	18000	21000	48000	14000	0	0	48000	28000	6000	0	0	0	0	0	

**14-Day Report for Discharge or Permit Violation**

**For more information on reporting requirements refer to your Permit, Section S4.D. If you have a Major/Minor Discharge Authorization refer to General Conditions D**

**Date:** 1/15/21 **Company Name:** King County Solid Waste Division (SWD)

**Permit/Authorization Number:** 7842-03 **Sample Site Number:** A90021

**1. Description and Cause of Non-Compliance Event:** (include dates, times, locations; sample results and estimated gallons discharged)

In the last month, SWD became aware of the exceedances summarized in the table below.

**Arsenic Loading (A90021)**

Exceedance Date	Aware Date	Arsenic Concentration (mg/L)	Flow (gallons)	Arsenic Loading (lbs/day)
<i>Permit Limit</i>		<i>4.0</i>	<i>2,700,000</i>	<i>0.27</i>
12/8/20	12/29/20	0.0618	978,900	<b>0.5045</b>
12/17/20	12/29/20	0.0624	1,026,000	<b>0.5339</b>
12/22/20	1/11/21	0.0488	1,067,300	<b>0.4344</b>
12/29/20	1/11/21	0.0441	1,038,000	<b>0.3818</b>

**2. Date and Time King County Notified:** (requirement is within 24 hours of learning of violation unless event was spill or slug discharge then must have notified immediately)

**Arsenic**

Exceedance Date	Aware Date	Notification Date & Time	Notification Method	Recipient(s)
12/8/20	12/29/20	12/29/20 @ 14:37	Email	Biniam Zelelow, <a href="mailto:info.KCIW@kingcounty.gov">info.KCIW@kingcounty.gov</a>
12/17/20	12/29/20	12/29/20 @ 14:37	Email	Biniam Zelelow, <a href="mailto:info.KCIW@kingcounty.gov">info.KCIW@kingcounty.gov</a>
12/22/20	1/11/21	1/11/21 @ 07:17	Email	Biniam Zelelow, <a href="mailto:info.KCIW@kingcounty.gov">info.KCIW@kingcounty.gov</a>
12/29/20	1/11/21	1/11/21 @ 07:17	Email	Biniam Zelelow, <a href="mailto:info.KCIW@kingcounty.gov">info.KCIW@kingcounty.gov</a>

**3. Corrective Actions Taken:** (corrective actions taken to respond to the violation and ensure ongoing compliance.)

**Arsenic**

SWD is obligated to implement corrective actions specified in the Revised Compliance Order issued by KCIW on October 29, 2019. The development and implementation of corrective actions outlined in that document is currently underway.

Outlined below are the latest updates on the Cedar Hills Leachate Infrastructure Improvement Project:

- SWD and the Contractor are negotiating the Scope of Work for 30% design

**14-Day Report for Discharge or Permit Violation**

- SCS Consulting has been hired to lead AKART analysis (“All Known, Available and Reasonable methods of prevention, control, and Treatment” method, WAC 173-218-030)
- Sampling has been completed at the following locations, and SWD is currently awaiting lab results:
  - North Flare Station
  - Area 5 West Hill Slope
  - Area 7 West Hill Slope
  - Various manholes that had been identified as flowing into Pump Station 4

**4. If discharge violation, enter follow-up sample collection date and results:** (may use subsequent self-monitoring sample if collected and analyzed within 14 days of learning of violation)

Exceedance Date	Resample Date(s)	Parameter	Resample Result	Compliant?
12/8/20	12/17/20	As Loading	<b>0.5339</b>	No
12/17/20	12/22/20	As Loading	<b>0.4344</b>	No
12/22/20	12/29/20	As Loading	<b>0.3818</b>	No
12/29/20	1/7/21	As Loading	<b>Results Pending</b>	TBD

Additional information regarding resampling results was/will be reported as part of the December 2020 Self-Monitoring Reports for Cedar Hills.

**14-Day Report for Discharge or Permit Violation**

ADDITIONAL SHEETS ATTACHED: ☐ YES ☒ NO

***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 gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information 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.***

NAME: Jennifer Keune

SIGNATURE: \_\_\_\_\_

*Jennifer Keune*

DATE: January 15, 2021

TITLE: Environmental Compliance Coordinator

Authorized Representative / Designated Authorized Representative\*

(Please circle one of the above)

*\*All user reports must be signed by an authorized representative of the industrial user. "Authorized representative of industrial user" is defined by [King County Code 28.82.050](#). If you are designated, a current [Delegation of Signatory Authority](#) must be on file at King County or completed and attached to this form.*

Please return this form and attachments to:

**King County Industrial Waste**

**130 Nickerson Street – Suite 200**

**Seattle, WA 98109-1658**

**Fax: 206-263-3001**

**-or- Email a signed PDF to: [info.KCIW@kingcounty.gov](mailto:info.KCIW@kingcounty.gov)**