

Texas Commission on Environmental Quality

Remediation Division Correspondence Identification Form

SITE & PROGRAM AREA IDENTIFICATION

SITE LOCATION				REMEDIATION DIVISION PROGRAM AND FACILITY IDENTIFICATION	
Site Name: Frisco Community Development Corporation Site				Is This Site Being Managed Under A State Lead Contract? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Address 1: 7471 Old 5th Street				Program Area:	IHW CORRECTIVE ACTION
Address 2:				Mail Code:	MC-127
City: Frisco		State: Texas		Is This A New Site To This Program Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Zip Code:	75034	County:	Collin	TCEQ Facility ID No.:	SWR 30516
TCEQ Region: Region 4 - Dallas/Fort Worth				--Leave This Field Blank--	

DOCUMENT(S) IDENTIFICATION

PHASE OF REMEDIATION		DOCUMENT NAME
1.	MISCELLANEOUS	TECHNICAL REPORT NOT OTHERWISE SPECIFIED (NOS)
2.		
3.		
4.		
5.		

CONTACT INFORMATION

RESPONSIBLE PARTY/APPLICANT/CUSTOMER

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ENVIRONMENTAL CONSULTANT/REPORT PREPARER/AGENT

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TCEQ INTERNAL USE ONLY

Document No.	TCEQ Database Term	Document No.	TCEQ Database Term
1.	TECHNICAL REPORT	4.	
2.		5.	
3.			



November 2, 2023

Project No. GL20409062.001

Mack Borchardt

City of Frisco
6101 Frisco Square Boulevard
Frisco, Texas 75034

RE: 2023 THIRD QUARTER FRENCH DRAIN OPERATIONAL REPORT, FRISCO COMMUNITY DEVELOPMENT CORPORATION SITE, 7471 OLD FIFTH STREET, FRISCO, TEXAS

Dear Mr. Borchardt,

WSP USA Inc. (WSP) has prepared this quarterly operational report for the French Drain System (FDS) at the City of Frisco Community Development Corporation (Frisco CDC) facility located at 7471 Old Fifth Street in Frisco, Texas (Site). This report has been prepared in response to the Texas Commission on Environmental Quality (TCEQ) comments to Exide Technologies, Inc. (Exide) on the 2013 Affected Property Assessment Report (APAR) dated October 8th, 2013, which requested additional information regarding the performance of the French Drain and the TCEQ comments to Exide for the 2014 APAR dated May 5, 2015, which requested quarterly reports on the operation of the FDS. This work is being continued under new ownership by the City of Frisco CDC.

This report includes general FDS background information and summarizes operation of the FDS system during the third quarter 2023. Specifically, the quarterly report includes a discussion of the performance of the system, gallons of water intercepted, concentrations of constituents in the water, the presence and/or absence of leakage along the flood wall into Stewart Creek, the presence or absence of white crystalline substance and sample results (if applicable), and a determination as to whether ongoing discharges to Stewart Creek are continuing to occur. As stated in previous quarterly reports, survey data for the French Drain and Stewart Creek and specific notes on which days the French Drain was pumped, as requested by the TCEQ, are included in this report.

1.0 FRENCH DRAIN SYSTEM HISTORY

According to historical information contained in the French Drain Construction Report (W&M Environmental Group, Inc. [W&M], 2013), the concrete retaining wall along the southern edge of the operating area was constructed in the late 1980s to keep Stewart Creek floodwaters from entering the operating portion of the facility and to retain storm water from the operating portion of the facility for subsequent collection and treatment at the onsite water treatment plants. After construction of the retaining wall, areas of seepage along the Stewart Creek side of the retaining wall were previously observed by Exide and its consultants; primarily between the Battery Receiving Building and the Slag Treatment Building. In response, Exide sealed numerous cracks in the retaining wall. In 2011, W&M designed the FDS and associated repairs to drain any water that collected below the pavement on the north side of the FDS and eliminate seepage through the flood wall. Water from the FDS is pumped to mobile storage tanks adjacent to the wastewater treatment area for offsite disposal. Additional FDS

information, including system specifications, is included in the June 2014 French Drain Monitoring Plan (FDMP) that was previously provided to the TCEQ.

2.0 DESCRIPTION OF MONITORING AND INSPECTION ACTIVITIES

Activities completed during the third quarter of 2023 included the following:

- Daily (weekday) Inspections and Maintenance – Inspection of the flowmeter and recording flow rate and totalizer reading.
- Weekly Inspections and Maintenance – Inspection and maintenance of the FDS collection sump.
- Quarterly Inspections and Maintenance –
 - Inspection of the FDS for sedimentation.
 - Inspection of the Flood Wall waterstop and joint fillers.
 - Inspection of the Flood Wall for signs of seepage through the wall, cracks, or other signs of damage.

Monitoring and inspection activities completed for the FDS in accordance with the FDMP during the third quarter 2023 were completed by both City of Frisco Site personnel as well as WSP staff. City of Frisco Site personnel conducted daily and weekly activities, and WSP personnel conducted the quarterly inspection. A more detailed description of the results of data collection activities and inspections is included in Section 3.0 below.

3.0 OBSERVATIONS AND RESULTS

3.1 Gallons of Water Intercepted

The flow rate and totalizer readings for the FDS were generally recorded each weekday. Table 1 summarizes the recorded flows of the FDS, and the offsite daily precipitation based on data recorded at a Frisco weather station (data obtained from <https://www.wunderground.com/dashboard/pws/KTXDALLA25>).

3.2 Groundwater and Perched Water Level Observations

Water levels for MW-26, MW-29, MW-31, MW-32, MW-33, MW-34, MW-35, and MW-46 were measured and recorded during the third quarter 2023. Table 2 summarizes the groundwater depths and elevations from this sampling event as well as previous data and includes the elevations of the banks and bottom of Stewart Creek at transects located near the upstream, midpoint and downstream end of the FDS. Monitoring well locations, transect locations and Stewart Creek elevations are shown on Figure 1. Water levels were lower when compared to the second quarter 2023, ranging from 0.3 ft to 0.95 ft lower than from the previous quarter.

3.3 Floodwall Seepage

No floodwall seepage was observed during the weekly or quarterly inspections and no routine maintenance was required to repair peeling sealants on cracks or expansion joints.

3.4 White Crystalline Material Observations

White crystalline material (that has been previously reported) was not observed on the flood wall during the WSP inspection conducted on September 12, 2023. As such, no samples of white crystalline material were collected or analyzed.

3.5 Laboratory Analytical Results

FDS water samples were collected by City of Frisco Site personnel July 5, 2023. Analytical results are summarized in Table 3 and the laboratory report is provided in Attachment A. The third quarter 2023 sample results for metals and general chemistry were generally similar to the second quarter 2023 sample, with the exception of detections of cadmium and iron in the third quarter 2023 sample. Detections of cadmium and iron were within historical concentrations seen in FDS water samples.

4.0 SUMMARY OF SYSTEM PERFORMANCE

Based on the results of the inspection and monitoring activities for the third quarter 2023 described above, the FDS appears to be operating as designed.

5.0 CLOSURE

WSP appreciates the opportunity to assist the City of Frisco Community Development Corporation with this project. Please contact us if you have any questions or comments concerning this quarterly operational report.

Sincerely,

WSP USA Inc.



Catherine Mear
Environmental Scientist Consultant



Timothy Jennings, PG (TX)
Senior Lead Consultant

CAM/TCJ

CC: Jerry Wick, Texas Commission on Environmental Quality
Brad Weaver – JEM Connections LLC (City of Frisco)

Attachments: Table 1: French Drain Daily Flow Volumes
Table 2: Perched and Groundwater Monitoring Well Water Elevations
Table 3: French Drain Water Analytical Data
Figure 1: Stewart Creek Transects
Attachment A: French Drain Water Laboratory Analytical Results

Table 1
French Drain Daily Flow Volumes

Jul-23			Aug-23			Sep-23		
Total Flow/Water Removed (gal)		Total Precip (in)	Total Flow/Water Removed (gal)		Total Precip (in)	Total Flow/Water Removed (gal)		Total Precip (in)
3,870		4.47	930		0.00	834		0.40
Date	Daily Flow (gal)	Daily Precip (in)	Date	Daily Flow (gal)	Daily Precip (in)	Date	Daily Flow (gal)	Daily Precip (in)
Saturday, July 1, 2023	61	0.00	Tuesday, August 1, 2023	0	0.00	Friday, September 1, 2023	44	0.00
Sunday, July 2, 2023	60	0.00	Wednesday, August 2, 2023	114	0.00	Saturday, September 2, 2023	0	0.00
Monday, July 3, 2023	77	2.31	Thursday, August 3, 2023	0	0.00	Sunday, September 3, 2023	0	0.00
Tuesday, July 4, 2023	313	0.00	Friday, August 4, 2023	67	0.00	Monday, September 4, 2023	63	0.00
Wednesday, July 5, 2023	0	0.06	Saturday, August 5, 2023	71	0.00	Tuesday, September 5, 2023	15	0.00
Thursday, July 6, 2023	44	0.04	Sunday, August 6, 2023	66	0.00	Wednesday, September 6, 2023	31	0.00
Friday, July 7, 2023	297	0.00	Monday, August 7, 2023	0	0.00	Thursday, September 7, 2023	0	0.00
Saturday, July 8, 2023	NR	0.00	Tuesday, August 8, 2023	72	0.00	Friday, September 8, 2023	0	0.00
Sunday, July 9, 2023	NR	0.46	Wednesday, August 9, 2023	69	0.00	Saturday, September 9, 2023	0	0.01
Monday, July 10, 2023	141	0.01	Thursday, August 10, 2023	0	0.00	Sunday, September 10, 2023	0	0.00
Tuesday, July 11, 2023	118	0.01	Friday, August 11, 2023	67	0.00	Monday, September 11, 2023	50	0.07
Wednesday, July 12, 2023	119	0.00	Saturday, August 12, 2023	0	0.00	Tuesday, September 12, 2023	0	0.00
Thursday, July 13, 2023	247	0.00	Sunday, August 13, 2023	0	0.00	Wednesday, September 13, 2023	47	0.01
Friday, July 14, 2023	183	0.00	Monday, August 14, 2023	74	0.00	Thursday, September 14, 2023	0	0.04
Saturday, July 15, 2023	131	0.00	Tuesday, August 15, 2023	0	0.00	Friday, September 15, 2023	0	0.11
Sunday, July 16, 2023	126	1.58	Wednesday, August 16, 2023	0	0.00	Saturday, September 16, 2023	0	0.01
Monday, July 17, 2023	287	0.00	Thursday, August 17, 2023	80	0.00	Sunday, September 17, 2023	48	0.00
Tuesday, July 18, 2023	248	0.00	Friday, August 18, 2023	0	0.00	Monday, September 18, 2023	22	0.00
Wednesday, July 19, 2023	141	0.00	Saturday, August 19, 2023	70	0.00	Tuesday, September 19, 2023	0	0.10
Thursday, July 20, 2023	210	0.00	Sunday, August 20, 2023	0	0.00	Wednesday, September 20, 2023	0	0.01
Friday, July 21, 2023	123	0.00	Monday, August 21, 2023	2	0.00	Thursday, September 21, 2023	145	0.01
Saturday, July 22, 2023	139	0.00	Tuesday, August 22, 2023	0	0.00	Friday, September 22, 2023	96	0.00
Sunday, July 23, 2023	127	0.00	Wednesday, August 23, 2023	0	0.00	Saturday, September 23, 2023	48	0.00
Monday, July 24, 2023	136	0.00	Thursday, August 24, 2023	0	0.00	Sunday, September 24, 2023	0	0.00
Tuesday, July 25, 2023	70	0.00	Friday, August 25, 2023	26	0.00	Monday, September 25, 2023	73	0.03
Wednesday, July 26, 2023	64	0.00	Saturday, August 26, 2023	0	0.00	Tuesday, September 26, 2023	47	0.00
Thursday, July 27, 2023	71	0.00	Sunday, August 27, 2023	10	0.00	Wednesday, September 27, 2023	51	0.00
Friday, July 28, 2023	64	0.00	Monday, August 28, 2023	87	0.00	Thursday, September 28, 2023	0	0.00
Saturday, July 29, 2023	68	0.00	Tuesday, August 29, 2023	0	0.00	Friday, September 29, 2023	0	0.00
Sunday, July 30, 2023	68	0.00	Wednesday, August 30, 2023	55	0.00	Saturday, September 30, 2023	54	0.00
Monday, July 31, 2023	137	0.00	Thursday, August 31, 2023	0	0.00			

Notes:

1 - As denoted, precipitation data obtained from <https://www.wunderground.com/history/monthly/us/tx/frisco/KDAL/> (Dallas Love field), otherwise precipitation data primarily obtained from: <https://www.wunderground.com/dashboard/pws/KTXDALLA25> (Frisco).

Daily flow volumes provided by the Site.

Prepared by: CAM 10/24/2023

Checked by: ML 10/25/2023

Reviewed by: TCJ 11/1/2023

Table 2
Perched and Groundwater Monitoring Well Water Elevations

Stewart Creek Elevations					
Survey Point			Measurement Date	Elevation (ft msl)	
Transect 1					
Top of North Bank			3/7/2016	628.74	
Toe of North Bank			3/7/2016	624.79	
Creek Centerline			3/7/2016	622.79	
Toe of South Bank			3/7/2016	624.27	
Top of South Bank			3/7/2016	634.09	
Transect 2					
Top of North Bank			3/7/2016	627.97	
Toe of North Bank			3/7/2016	623.57	
Toe of South Bank			3/7/2016	624.04	
Top of South Bank			3/7/2016	630.52	
Transect 3					
Top of North Bank			3/7/2016	628.20	
Toe of North Bank			3/7/2016	622.70	
Toe of South Bank			3/7/2016	622.88	
Top of South Bank			3/7/2016	628.18	
Well ID	TOC Elevation (ft msl)	Screen Interval (ft bgs)	Measurement Date	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft msl)
MW-26 (Groundwater)	631.93	5-15	3/11/2013	9.98	621.95
			4/5/2013	9.52	622.41
			4/29/2013	9.21	622.72
			1/21/2014	5.80	626.13
			7/29/2014	5.79	626.14
			9/23/2014	8.9	623.03
			6/12/2015	5.32	626.61
			9/8/2015	5.72	626.21
			12/17/2015	5.32	626.61
			2/29/2016	5.41	626.52
			6/1/2016	5.47	626.46
			9/8/2016	5.51	626.42
			12/2/2016	5.65	626.28
			3/2/2017	5.81	626.12
			5/4/2017	6.21	625.72
			8/28/2017	5.56	626.37
			11/27/2017	5.71	626.22
			2/15/2018	5.75	626.18
			5/9/2018	5.65	626.28
			9/24/2018	NA	NA
			12/4/2018	5.60	626.33
			3/7/2019	5.64	626.29
			6/3/2019	5.92	626.01
			9/9/2019	5.87	626.06
			12/2/2019	5.63	626.30
			2/26/2020	5.71	626.22
			5/27/2020	4.67	627.26
			8/27/2020	6.12	625.81
			12/8/2020	5.41	626.52
			3/4/2021	5.62	626.31
			6/2/2021	5.56	626.37
			8/30/2021	5.56	626.37
			12/9/2021	5.46	626.47
			3/3/2022	5.62	626.31
			6/1/2022	5.59	626.34
			9/20/2022	8.16	623.77
11/29/2022	8.02	623.91			
3/16/2023	6.29	625.64			
5/31/2023	4.79	627.14			
9/12/2023	5.67	626.26			

Table 2
Perched and Groundwater Monitoring Well Water Elevations

Well ID	TOC Elevation (ft msl)	Screen Interval (ft bgs)	Measurement Date	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft msl)
MW-29 (Groundwater)	633.51	4.5-14.5	3/11/2013	13.08	620.43
			4/5/2013	6.96	626.55
			4/29/2013	6.56	626.95
			1/21/2014	6.62	626.89
			7/29/2014	6.57	626.94
			9/23/2014	6.04	627.47
			6/12/2015	5.21	628.30
			9/8/2015	6.35	627.16
			12/17/2015	5.67	627.84
			2/29/2016	5.79	627.72
			6/1/2016	5.69	627.82
			9/8/2016	5.67	627.84
			12/2/2016	6.25	627.26
			3/2/2017	6.51	627.00
			5/4/2017	5.80	627.71
			8/28/2017	5.90	627.61
			11/27/2017	6.77	626.74
			2/15/2018	6.77	626.74
			5/9/2018	5.95	627.56
			9/24/2018	NA	NA
			12/4/2018	6.12	627.39
			3/7/2019	6.07	627.44
			6/3/2019	6.27	627.24
			9/9/2019	6.25	627.26
			12/2/2019	6.27	627.24
			2/26/2020	5.18	628.33
			5/27/2020	5.09	628.42
			8/27/2020	6.96	626.55
			12/8/2020	6.06	627.45
			3/4/2021	6.12	627.39
			6/2/2021	6.09	627.42
			8/30/2021	6.12	627.39
			12/9/2021	6.12	627.39
			3/3/2022	6.27	627.24
			6/1/2022	5.06	628.45
			9/20/2022	9.06	624.45
			11/29/2022	8.91	624.60
			3/16/2023	7.13	626.38
			5/31/2023	5.34	628.17
			9/12/2023	6.29	627.22
MW-31 (Groundwater)	636.71	8-23	5/13/2013	10.58	626.13
			1/21/2014	10.87	625.84
			7/29/2014	10.81	625.90
			9/23/2014	11.32	625.39
			6/12/2015	9.61	627.10
			9/8/2015	10.53	626.18
			12/17/2015	9.42	627.29
			2/29/2016	9.78	626.93
			6/1/2016	9.82	626.89
			9/8/2016	9.90	626.81
			12/2/2016	10.21	626.50
			3/2/2017	12.23	624.48
			5/4/2017	10.58	626.13
			8/28/2017	9.99	626.72
			11/27/2017	10.82	625.89
			2/15/2018	10.90	625.81
			5/9/2018	10.19	626.52
			9/24/2018	NA	NA
			12/4/2018	10.42	626.29
			3/7/2019	10.13	626.58
			6/3/2019	10.31	626.40
			9/9/2019	10.51	626.20
			12/2/2019	9.85	626.86
			2/26/2020	8.96	627.75
			5/27/2020	8.54	628.17
			8/27/2020	10.56	626.15
			12/8/2020	9.71	627.00
			3/4/2021	9.79	626.92
			6/2/2021	9.86	626.85
			8/30/2021	9.56	627.15
			12/9/2021	9.67	627.04
			3/3/2022	9.86	626.85
			6/1/2022	8.76	627.95
			9/30/2022	13.22	623.49
			11/29/2022	13.06	623.65
			3/16/2023	11.06	625.65
			5/31/2023	9.06	627.65
			9/12/2023	9.96	626.75

Table 2
Perched and Groundwater Monitoring Well Water Elevations

Well ID	TOC Elevation (ft msl)	Screen Interval (ft bgs)	Measurement Date	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft msl)
MW-32 (Perched)	630.96	2.5-5	1/21/2014	4.16	626.80
			7/29/2014	4.59	626.37
			9/23/2014	4.59	626.37
			6/12/2015	3.79	627.17
			9/8/2015	R	R
			2/29/2016	3.57	627.39
			6/1/2016	3.62	627.34
			9/8/2016	3.83	627.13
			12/2/2016	3.40	627.56
			3/2/2017	3.26	627.70
			5/4/2017	3.49	627.47
			8/28/2017	3.55	627.41
			11/27/2017	3.54	627.42
			2/15/2018	3.21	627.75
			5/9/2018	3.30	627.66
			9/24/2018	NA	NA
			12/4/2018	2.70	628.26
			3/7/2019	3.88	627.08
			6/3/2019	3.67	627.29
			9/9/2019	3.92	627.04
			12/2/2019	3.32	627.64
			2/26/2020	2.92	628.04
			5/27/2020	2.39	628.57
			8/27/2020	3.86	627.10
			12/8/2020	3.16	627.80
			3/4/2021	3.29	627.67
			6/2/2021	3.19	627.77
			8/30/2021	3.19	627.77
			12/9/2021	3.24	627.72
			3/3/2022	3.31	627.65
			6/1/2022	2.77	628.19
			9/20/2022	4.69	626.27
			11/29/2022	4.52	626.44
			3/16/2023	2.43	628.53
			5/31/2023	2.71	628.25
			9/12/2023	3.41	627.55
MW-33 (Perched)	632.59	2.5-5	1/21/2014	1.09	631.50
			7/29/2014	2.14	630.45
			9/23/2014	1.55	631.04
			12/17/2015	1.21	631.38
			2/29/2016	1.07	631.52
			6/1/2016	1.09	631.50
			9/8/2016	1.07	631.52
			12/2/2016	0.95	631.64
			3/2/2017	0.88	631.71
			5/4/2017	0.91	631.68
			8/28/2017	0.86	631.73
			11/27/2017	0.85	631.74
			2/15/2018	0.81	631.78
			5/9/2018	0.80	631.79
			9/24/2018	NA	NA
			12/4/2018	0.95	631.64
			3/7/2019	0.64	631.95
			6/3/2019	0.92	631.67
			9/9/2019	1.13	631.46
			12/2/2019	0.33	632.26
			2/26/2020	0.39	632.20
			5/27/2020	0.16	632.43
			8/27/2020	0.99	631.60
			12/8/2020	0.46	632.13
			3/4/2021	0.72	631.87
			6/2/2021	0.61	631.98
			8/30/2021	0.26	632.33
			12/9/2021	0.71	631.88
			3/3/2022	0.72	631.87
			6/1/2022	0.56	632.03
			9/20/2022	2.77	629.82
			11/29/2022	2.79	629.80
			3/16/2023	0.96	631.63
			5/31/2023	0.17	632.42
			9/12/2023	0.47	632.12

Table 2
Perched and Groundwater Monitoring Well Water Elevations

Well ID	TOC Elevation (ft msl)	Screen Interval (ft bgs)	Measurement Date	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft msl)
MW-34 (Perched)	632.83	2.5-5	1/21/2014	4.31	628.52
			7/29/2014	4.45	628.38
			9/23/2014	4.45	628.38
			6/12/2015	3.42	629.41
			12/17/2015	3.03	629.80
			2/29/2016	1.95	630.88
			6/1/2016	2.04	630.79
			9/8/2016	2.59	630.24
			12/2/2016	2.50	630.33
			3/2/2017	2.75	630.08
			5/4/2017	3.93	628.90
			8/28/2017	2.95	629.88
			11/27/2017	3.62	629.21
			2/15/2018	3.71	629.12
			5/9/2018	3.57	629.26
			9/24/2018	NA	NA
			12/4/2018	3.08	629.75
			3/7/2019	3.41	629.42
			6/3/2019	3.17	629.66
			9/9/2019	3.31	629.52
			12/2/2019	2.89	629.94
			2/26/2020	1.37	631.46
			5/27/2020	1.86	630.97
			8/27/2020	3.49	629.34
			12/8/2020	2.58	630.25
			3/4/2021	2.76	630.07
			6/2/2021	2.67	630.16
			8/30/2021	2.73	630.10
			12/9/2021	2.51	630.32
			3/3/2022	2.69	630.14
			6/1/2022	1.26	631.57
			9/20/2022	4.16	628.67
			11/29/2022	4.26	628.57
			3/16/2023	2.11	630.72
			5/31/2023	2.06	630.77
			9/12/2023	2.96	629.87
MW-35 (Perched)	632.55	2.5-5	1/21/2014	DRY	DRY
			7/29/2014	DRY	DRY
			9/23/2014	DRY	DRY
			6/12/2015	4.97	627.58
			9/8/2015	DRY	DRY
			12/17/2015	4.10	628.45
			2/29/2016	3.86	628.69
			6/1/2016	3.99	628.56
			9/8/2016	4.13	628.42
			12/2/2016	3.85	628.70
			3/2/2017	3.94	628.61
			5/4/2017	4.58	627.97
			8/28/2017	4.16	628.39
			11/27/2017	3.98	628.57
			2/15/2018	3.81	628.74
			5/9/2018	3.92	628.63
			9/24/2018	NA	NA
			12/4/2018	3.74	628.81
			3/7/2019	3.65	628.90
			6/3/2019	3.91	628.64
			9/9/2019	4.05	628.50
			12/2/2019	4.06	628.49
			2/26/2020	3.89	628.66
			5/27/2020	2.95	629.60
			8/27/2020	4.52	628.03
			12/8/2020	4.06	628.49
			3/4/2021	4.22	628.33
			6/2/2021	4.19	628.36
			8/30/2021	3.92	628.63
			12/9/2021	4.12	628.43
			3/3/2022	4.29	628.26
			6/1/2022	3.77	628.78
			9/20/2022	4.34	628.21
			11/29/2022	4.17	628.38
			3/16/2023	2.41	630.14
			5/31/2023	3.21	629.34
			9/12/2023	4.16	628.39

Table 2
Perched and Groundwater Monitoring Well Water Elevations

Well ID	TOC Elevation (ft msl)	Screen Interval (ft bgs)	Measurement Date	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft msl)
MW-46 (Groundwater)	630.98	10-20	1/21/2014	5.21	625.77
			7/29/2014	5.47	625.51
			9/23/2014	5.08	625.90
			6/12/2015	5.50	625.48
			9/8/2015	4.17	626.81
			2/29/2016	5.23	625.75
			6/1/2016	5.30	625.68
			9/8/2016	5.41	625.57
			12/2/2016	4.96	626.02
			3/2/2017	5.00	625.98
			5/4/2017	5.50	625.48
			8/28/2017	4.44	626.54
			11/27/2017	5.41	625.57
			2/15/2018	5.81	625.17
			5/9/2018	4.24	626.74
			9/24/2018	NA	NA
			12/4/2018	4.61	626.37
			3/7/2019	4.29	626.69
			6/3/2019	4.61	626.37
			9/9/2019	4.41	626.57
			12/2/2019	4.32	626.66
			2/26/2020	3.29	627.69
			5/27/2020	3.26	627.72
			8/27/2020	4.89	626.09
			12/8/2020	4.21	626.77
			3/4/2021	4.42	626.56
			6/2/2021	4.39	626.59
			8/30/2021	4.17	626.81
			12/9/2021	4.16	626.82
			3/3/2022	4.38	626.60
			6/1/2022	3.06	627.92
			9/20/2022	6.12	624.86
			11/29/2022	5.96	625.02
			3/16/2023	4.39	626.59
			5/31/2023	3.46	627.52
			9/12/2023	4.39	626.59

Notes:

1. bgs - below ground surface.
2. msl - [above] mean sea level.
3. btoc - below top of casing.
4. R - depth to groundwater was disqualified as a field error because depth was greater than total depth of the well.
5. NA - not accessible due to Site conditions.

Prepared by: CAM 10/23/2023

Checked by: ML 10/25/2023

Reviewed by: TCJ 11/1/2023

Table 3
French Drain Water
Analytical Data

	Sample ID FD070523-001		Sample ID FD070523-002	
	Laboratory ID 23070064-001		Laboratory ID 23070064-002	
	Date Collected 7/5/2023 13:00:00 PM		Date Collected 7/5/2023 13:00:00 PM	
Metals				
Parameter:	Result	Units	Result	Units
Arsenic	NA	mg/L	<0.003	mg/L
Barium	NA	mg/L	0.049	mg/L
Cadmium	NA	mg/L	0.0012	mg/L
Chromium	NA	mg/L	0.013	mg/L
Copper	NA	mg/L	0.0089	mg/L
Iron	NA	mg/L	0.33 J-5	mg/L
Lead	NA	mg/L	0.080	mg/L
Manganese	NA	mg/L	0.009	mg/L
Nickel	NA	mg/L	<0.003	mg/L
Selenium	NA	mg/L	0.0242	mg/L
Silver	NA	mg/L	<0.001	mg/L
Zinc	NA	mg/L	0.012	mg/L
Mercury	NA	mg/L	<0.0001	mg/L
General Chemistry				
Parameter:	Result	Units	Result	Units
Total Suspended Solids	15.9	mg/L	NA	mg/L
Total Dissolved Solids	1,080	mg/L	NA	mg/L

Notes:

- 1) NA - Not Analyzed
- 2) mg/L - milligrams per liter
- 3) **Bold** values indicate a detection.
- 4) < - denotes analyte not detected, value shown is the sample detection limit (SDL)
- 5) J-5 - the associated concentration is an estimated value between the SDL and the adjusted method quantitation limit (MQL).

Prepared by: CAM 10/24/2023

Checked by: ML 10/25/2023

Reviewed by: TCJ 11/1/2023



LEGEND

- Monitoring Well Location
- Transect Location
- French Drain
- Flood Wall
- Approximate Creek Centerline

NOTE(S)

1. ELEVATIONS SHOWN ARE MEASURED IN FEET ABOVE MEAN SEA LEVEL.

REFERENCE(S)

1. ELEVATIONS COLLECTED BY BRITTAIN & CRAWFORD, LLC ON MARCH 7, 2016
2. AERIAL IMAGERY - APRIL, 2017

CLIENT

FRISCO COMMUNITY DEVELOPMENT CORPORATION


PROJECT

FRENCH DRAIN QUARTERLY REPORT
FRISCO, TEXAS

TITLE

STEWART CREEK TRANSECTS

CONSULTANT



YYYY-MM-DD	2020-12-02
DESIGNED	JWT
PREPARED	JWT
REVIEWED	CAM
APPROVED	TCJ

PROJECT NO.	CONTROL	REV.	FIGURE
GL20409062.001	1302086Y003	0	1



Monday, July 17, 2023

Frisco Community Development Corp/City of Fri

Eduardo Salazar

6101 Frisco Square Blvd

Frisco, Texas 75034

Tel: (972) 335-2121 Fax:

Re: Project Name: F.C.D.C/ Former Exide Technologies

Project Number: Influent water flows

Project Location: 7471 Fifth Street Frisco, Texas 75034

SPL Inc received 6 liquid sample(s). The analysis performed were as follows:

<u>Sample</u>	<u>Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Analysis</u>
23070064-001	FD070523-001	Liquid	7/5/2023 13:00	Total Dissolved Solids, Total Suspended Solids
23070064-002	FD070523-002	Liquid	7/5/2023 13:00	Arsenic, Barium, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Mercury, Nickel, Selenium, Silver, Zinc
23070064-003	SO070523-001	Liquid	7/5/2023 12:50	Total Dissolved Solids, Total Suspended Solids
23070064-004	SO070523-002	Liquid	7/5/2023 12:50	Arsenic, Barium, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Mercury, Nickel, Selenium, Silver, Zinc
23070064-005	L070523-001	Liquid	7/5/2023 12:35	Total Dissolved Solids, Total Suspended Solids
23070064-006	L070523-002	Liquid	7/5/2023 12:35	Arsenic, Barium, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Mercury, Nickel, Selenium, Silver, Zinc

To the best of my knowledge, all problems/ anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified via associated flags and/ or in the case narrative. The analyses and data met requirements of NELAP except where noted. All non-NELAP methods are identified accordingly and all estimated uncertainties of test results are within method or EPA specifications.

Respectfully submitted,

Chad Cooper

Laboratory Manager



Frisco Community Development Corp/City of Fri
Eduardo Salazar

Analytical Report

Project Name: **F.C.D.C/ Former Exide Technologies**

Customer Sample ID: **FD070523-001**

SPL Sample ID: 23070064-001

Matrix: **Liquid**

Sample Received: 7/6/2023

Sample Collected: **7/5/2023 13:00**

Parameter	SDL	MQL	Result	Units	Date Analyzed	Method	Analyst	Flags
General Chemistry								
Total Dissolved Solids	50.0	50	1080	mg/L	07/07/23 14:50	SM 2540-C	K.V.	
Total Suspended Solids	1.0	5	15.9	mg/L	07/07/23 09:35	SM 2540-D	K.V.	



Frisco Community Development Corp/City of Fri
Eduardo Salazar

Analytical Report

Project Name: **F.C.D.C/ Former Exide Technologies**

Customer Sample ID: **FD070523-002**

SPL Sample ID: 23070064-002

Sample Received: 7/6/2023

Matrix: **Liquid**

Sample Collected: **7/5/2023 13:00**

Parameter	SDL	MQL	Result	Units	Date Analyzed	Method	Analyst	Flags
Metals								
<i>Digested by method 200.8 on 07/07/23 at 08:06</i>								
Arsenic	0.003	0.005	ND	mg/L	07/07/23 17:00	200.8	M.F.	
Barium	0.003	0.005	0.049	mg/L	07/07/23 17:00	200.8	M.F.	
Cadmium	0.0005	0.001	0.0012	mg/L	07/07/23 17:00	200.8	M.F.	
Chromium	0.003	0.005	0.013	mg/L	07/07/23 17:00	200.8	M.F.	
Copper	0.0025	0.005	0.0089	mg/L	07/07/23 17:00	200.8	M.F.	
Iron	0.25	0.5	0.33	mg/L	07/07/23 17:00	200.8	M.F.	J-5
Lead	0.003	0.005	0.080	mg/L	07/07/23 17:00	200.8	M.F.	
Manganese	0.001	0.002	0.009	mg/L	07/07/23 17:00	200.8	M.F.	
Nickel	0.003	0.005	ND	mg/L	07/07/23 17:00	200.8	M.F.	
Selenium	0.0025	0.005	0.0242	mg/L	07/07/23 17:00	200.8	M.F.	
Silver	0.001	0.001	ND	mg/L	07/07/23 17:00	200.8	M.F.	
Zinc	0.003	0.005	0.012	mg/L	07/07/23 17:00	200.8	M.F.	
<i>Digested by method 245.1 on 07/13/23 at 09:12</i>								
Mercury	0.0001	0.0002	ND	mg/L	07/14/23 10:47	245.1	K.E.L.	*



Frisco Community Development Corp/City of Fri
Eduardo Salazar

Sample Cross Reference

Project Name: **F.C.D.C/ Former Exide Technologies**

Customer ID:	Lab ID:	Test	Method	QCBatchID:
FD070523-001	23070064-001	Total Dissolved Solids	SM 2540-C	TDS__05530_L
		Total Suspended Solids	SM 2540-D	TSS__14951_L
FD070523-002	23070064-002	Mercury	245.1	MERC_09652_L
		Arsenic	200.8	META_17584_L
		Selenium	200.8	META_17584_L
		Silver	200.8	META_17584_L
		Zinc	200.8	META_17584_L
		Manganese	200.8	META_17584_L
		Lead	200.8	META_17584_L
		Iron	200.8	META_17584_L
		Copper	200.8	META_17584_L
		Chromium	200.8	META_17584_L
		Nickel	200.8	META_17584_L
		Barium	200.8	META_17584_L
		Cadmium	200.8	META_17584_L
SO070523-001	23070064-003	Total Dissolved Solids	SM 2540-C	TDS__05530_L
		Total Suspended Solids	SM 2540-D	TSS__14951_L
SO070523-002	23070064-004	Mercury	245.1	MERC_09652_L
		Copper	200.8	META_17584_L
		Silver	200.8	META_17584_L
		Selenium	200.8	META_17584_L
		Nickel	200.8	META_17584_L
		Manganese	200.8	META_17584_L
		Iron	200.8	META_17584_L
		Chromium	200.8	META_17584_L
		Zinc	200.8	META_17584_L
		Cadmium	200.8	META_17584_L
		Barium	200.8	META_17584_L
		Arsenic	200.8	META_17584_L
		Lead	200.8	META_17584_L
L070523-001	23070064-005	Total Dissolved Solids	SM 2540-C	TDS__05530_L
		Total Suspended Solids	SM 2540-D	TSS__14951_L
L070523-002	23070064-006	Mercury	245.1	MERC_09652_L
		Lead	200.8	META_17584_L
		Arsenic	200.8	META_17584_L
		Barium	200.8	META_17584_L
		Cadmium	200.8	META_17584_L
		Chromium	200.8	META_17584_L
		Iron	200.8	META_17584_L
		Manganese	200.8	META_17584_L
		Nickel	200.8	META_17584_L
		Selenium	200.8	META_17584_L
		Silver	200.8	META_17584_L
		Zinc	200.8	META_17584_L
		Copper	200.8	META_17584_L



Frisco Community Development Corp/City of Fri
Eduardo Salazar

QC Summary

Project Name: **F.C.D.C/ Former Exide Technologies**

QC Type	Parameter	Result	Reference Value	Spike Conc	Rec	Rec Limits	RPD	RPD Limits	Flags
QCBatchID TDS_05530_L									
Blank	Total Dissolved Solids	ND mg/L							
LCS	Total Dissolved Solids	995 mg/L		1000 mg/L	100%	90-110%			
LCSD	Total Dissolved Solids	1000 mg/L		1000 mg/L	101%	90-110%	1.0%	0-5%	
Replicate	Total Dissolved Solids	1950 mg/L	1960 mg/L				0.5%	0-5%	
QCBatchID TSS_14951_L									
Blank	Total Suspended Solids	ND mg/L							
LCS	Total Suspended Solids	502 mg/L		500 mg/L	100%	85-115%			
LCSD	Total Suspended Solids	487 mg/L		500 mg/L	97%	85-115%	3.0%	0-15%	
Replicate	Total Suspended Solids	122 mg/L	131 mg/L				6.7%	0-15%	
QCBatchID MERC_09652_L									
Blank	Mercury	ND mg/L							
LCS	Mercury	0.0097 mg/L		0.01 mg/L	97%	85-115%			
LCSD	Mercury	0.0099 mg/L		0.01 mg/L	99%	85-115%	2.4%	0-25%	
MS	Mercury	0.0092 mg/L	ND	0.01 mg/L	92%	80-120%			
MSD	Mercury	0.0079 mg/L	ND	0.01 mg/L	79%	80-120%	15.5%	0-25%	Q-7
QCBatchID META_17584_L									
Blank	Arsenic	ND mg/L							
	Barium	ND mg/L							
	Cadmium	ND mg/L							
	Chromium	ND mg/L							
	Copper	ND mg/L							
	Iron	ND mg/L							
	Lead	ND mg/L							
	Manganese	ND mg/L							
	Nickel	ND mg/L							
	Selenium	ND mg/L							
	Silver	ND mg/L							
	Zinc	ND mg/L							
LCS	Arsenic	0.101 mg/L		0.1 mg/L	101%	85-115%			
	Barium	0.098 mg/L		0.1 mg/L	98%	85-115%			
	Cadmium	0.1001 mg/L		0.1 mg/L	100%	85-115%			
	Chromium	0.105 mg/L		0.1 mg/L	105%	85-115%			
	Copper	0.1011 mg/L		0.1 mg/L	101%	85-115%			
	Iron	9.86 mg/L		10.1 mg/L	98%	85-115%			
	Lead	0.093 mg/L		0.1 mg/L	93%	85-115%			
	Manganese	0.102 mg/L		0.1 mg/L	102%	85-115%			
	Nickel	0.093 mg/L		0.1 mg/L	94%	85-115%			
	Selenium	0.1003 mg/L		0.1 mg/L	100%	85-115%			
	Silver	0.097 mg/L		0.1 mg/L	97%	85-115%			
	Zinc	0.103 mg/L		0.1 mg/L	103%	85-115%			
LCSD	Arsenic	0.098 mg/L		0.1 mg/L	99%	85-115%	2.5%	0-20%	
	Barium	0.098 mg/L		0.1 mg/L	98%	85-115%	0.5%	0-20%	



Frisco Community Development Corp/City of Fri
Eduardo Salazar

QC Summary

Project Name: **F.C.D.C/ Former Exide Technologies**

QC Type	Parameter	Result	Reference Value	Spike Conc	Rec	Rec Limits	RPD	RPD Limits	Flags
QCBatchID META_17584_L									
	Cadmium	0.1028 mg/L		0.1 mg/L	103%	85-115%	2.6%	0-20%	
	Chromium	0.101 mg/L		0.1 mg/L	101%	85-115%	4.0%	0-20%	
	Copper	0.0964 mg/L		0.1 mg/L	96%	85-115%	4.7%	0-20%	
	Iron	9.58 mg/L		10.1 mg/L	95%	85-115%	2.9%	0-20%	
	Lead	0.095 mg/L		0.1 mg/L	95%	85-115%	1.7%	0-20%	
	Manganese	0.098 mg/L		0.1 mg/L	98%	85-115%	3.8%	0-20%	
	Nickel	0.093 mg/L		0.1 mg/L	93%	85-115%	0.5%	0-20%	
	Selenium	0.0971 mg/L		0.1 mg/L	97%	85-115%	3.2%	0-20%	
	Silver	0.101 mg/L		0.1 mg/L	101%	85-115%	3.9%	0-20%	
	Zinc	0.101 mg/L		0.1 mg/L	101%	85-115%	2.0%	0-20%	
MS	Arsenic	0.512 mg/L	0.003 mg/L	0.5 mg/L	102%	80-120%			
	Barium	0.556 mg/L	0.053 mg/L	0.5 mg/L	101%	80-120%			
	Cadmium	0.4904 mg/L	ND	0.5 mg/L	98%	80-120%			
	Chromium	0.520 mg/L	ND	0.5 mg/L	104%	80-120%			
	Copper	0.6095 mg/L	0.0944 mg/L	0.5 mg/L	103%	80-120%			
	Iron	51.2 mg/L	2.42 mg/L	50.5 mg/L	97%	80-120%			
	Lead	0.475 mg/L	ND	0.5 mg/L	95%	80-120%			
	Manganese	0.695 mg/L	0.141 mg/L	0.5 mg/L	111%	80-120%			
	Nickel	0.492 mg/L	0.019 mg/L	0.5 mg/L	95%	80-120%			
	Selenium	0.5128 mg/L	ND	0.5 mg/L	103%	80-120%			
	Silver	0.478 mg/L	ND	0.5 mg/L	96%	80-120%			
	Zinc	0.526 mg/L	0.015 mg/L	0.5 mg/L	102%	80-120%			
MSD	Arsenic	0.519 mg/L	0.003 mg/L	0.5 mg/L	103%	80-120%	1.4%	0-20%	
	Barium	0.558 mg/L	0.053 mg/L	0.5 mg/L	101%	80-120%	0.3%	0-20%	
	Cadmium	0.5236 mg/L	ND	0.5 mg/L	105%	80-120%	6.5%	0-20%	
	Chromium	0.519 mg/L	ND	0.5 mg/L	104%	80-120%	0.2%	0-20%	
	Copper	0.6062 mg/L	0.0944 mg/L	0.5 mg/L	102%	80-120%	0.5%	0-20%	
	Iron	52.1 mg/L	2.42 mg/L	50.5 mg/L	98%	80-120%	1.7%	0-20%	
	Lead	0.484 mg/L	ND	0.5 mg/L	97%	80-120%	1.9%	0-20%	
	Manganese	0.679 mg/L	0.141 mg/L	0.5 mg/L	108%	80-120%	2.3%	0-20%	
	Nickel	0.487 mg/L	0.019 mg/L	0.5 mg/L	94%	80-120%	1.0%	0-20%	
	Selenium	0.5021 mg/L	ND	0.5 mg/L	100%	80-120%	2.1%	0-20%	
	Silver	0.511 mg/L	ND	0.5 mg/L	102%	80-120%	6.6%	0-20%	
	Zinc	0.528 mg/L	0.015 mg/L	0.5 mg/L	103%	80-120%	0.4%	0-20%	



Frisco Community Development Corp/City of Frisco
Eduardo Salazar

Case Narrative

Project Name: **F.C.D.C/ Former Exide Technologies**

*	Refer to QC section and / or Case Narrative
J-5	The associated concentration is an estimated value detected between the SDL and the Adjusted MQL
Q-7	Recovery and/or RPD outside desirable limits.
Dx [Value]	Sample diluted by [Value] amount
ppm	Parts per million = mg/Kg or mg/L
ppb	Parts per billion = ug/Kg or ug/L
MQL	Method quantitation limit
SDL	Sample detection limit (reflects any laboratory adjustments made to the sample during analysis such as dry weight or dilutions)
SQL	Sample quantitation limit (reflects any laboratory adjustments made to the sample during analysis such as dry weight or dilution)
ND	Analyte not detected at or above SDL
LCS/LCSD	Laboratory control spike / Laboratory control spike duplicate
MS/MSD	Matrix spike / Matrix spike duplicate
RPD	Relative percent difference
Sub	Analysis performed by subcontract laboratory

Solid samples submitted to the laboratory for analysis by SW-846 Method 8260 should be collected by SW-846 Method 5035. Those samples in which concentrations are less than or equal to 200 ug/kg should be collected in accordance with SW-846 Method 5035, Section 6.2.1. For samples with higher concentrations (> 200 ug/kg), collect samples by SW-846 Method 5035, Section 6.2.2 or 6.2.3. Sample results may not accurately reflect volatile concentrations if collection is not performed according to the referenced methodologies.

Solid samples submitted to the laboratory for analysis by TNRCC Method 1005 should be collected in accordance to the methodology. Those samples in which concentrations of C6 to C12 are known to be absent, or fall under the Petroleum Storage Tank (PST) rule, may be collected in bulk sample jars in accordance with TNRCC Method 1005, Revision 3 clarifications. For samples with concentrations of C6 to C12, or where knowledge of the site does not exist, collect samples by TNRCC Method 1005, Section 6.1. Sample results may not accurately reflect TPH concentrations if collection is not performed according to the referenced methodologies.

Solid sample results reported on a dry weight basis for all applicable analysis, unless otherwise noted. Dry weight calculations based upon % solids obtained as outlined in EPA method 5035 section 7.5.

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Southern Petroleum Laboratories, Inc. certifies to the best of its knowledge that all results contained in this report are consistent with the National Environmental Laboratory Accreditation Program, except where otherwise noted.



Frisco Community Development Corp/City of Frisco
Eduardo Salazar

Sample Preservation Verification

Project Name: **F.C.D.C/ Former Exide Technologies**

Receipt temp: **0.5 °C on Ice**

Receipt method: **Customer Courier**

Custody seal intact: **Yes**

All samples / labels received intact: **Yes**

Customer Sample ID: **FD070523-001**

SPL Sample ID: **23070064-001**

Collected: **07/05/23 13:00**

Collected By: **Eduardo Salazar**

Collector Affiliation: **City of Frisco**

Matrix: **Liquid**

<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
1000 mL Plastic	1	Grab		Temp	-

Customer Sample ID: **FD070523-002**

SPL Sample ID: **23070064-002**

Collected: **07/05/23 13:00**

Collected By: **Eduardo Salazar**

Collector Affiliation: **City of Frisco**

Matrix: **Liquid**

<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
250 mL Plastic	1	Grab		HNO3	<2

Customer Sample ID: **SO070523-001**

SPL Sample ID: **23070064-003**

Collected: **07/05/23 12:50**

Collected By: **Eduardo Salazar**

Collector Affiliation: **City of Frisco**

Matrix: **Liquid**

<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
1000 mL Plastic	1	Grab		Temp	-

Customer Sample ID: **SO070523-002**

SPL Sample ID: **23070064-004**

Collected: **07/05/23 12:50**

Collected By: **Eduardo Salazar**

Collector Affiliation: **City of Frisco**

Matrix: **Liquid**

<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
250 mL Plastic	1	Grab		HNO3	<2

Customer Sample ID: **L070523-001**

SPL Sample ID: **23070064-005**

Collected: **07/05/23 12:35**

Collected By: **Eduardo Salazar**

Collector Affiliation: **City of Frisco**

Matrix: **Liquid**

<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Indicated / Observed Preservation</u>	<u>pH</u>
1000 mL Plastic	1	Grab		Temp	-



Frisco Community Development Corp/City of Fri
Eduardo Salazar

Sample Preservation Verification

Project Name: **F.C.D.C/ Former Exide Technologies**

Customer Sample ID: **L070523-002**

SPL Sample ID: **23070064-006**

Collected: **07/05/23 12:35**

Collected By: **Eduardo Salazar**

Collector Affiliation: **City of Frisco**

Matrix: **Liquid**

Indicated / Observed

<u>Bottle Type</u>	<u>Count</u>	<u>Collection Method</u>	<u>Parts / Interval</u>	<u>Preservation</u>	<u>pH</u>
250 mL Plastic	1	Grab		HNO3	<2

Sample conditions at time of receipt at laboratory verified in part or in whole by:

R.L.M.

Documentation

PROJECT DESCRIPTION: **F.C.D.C/ Former Exide Technologies**

Frisco Community Development Corporation
6101 Frisco Square Blvd
Frisco, TX 75034
Telephone 469 388 2924

CHAIN OF CUSTODY RECORD

INDUSTRY: F.C.D.C/ Former Exide Technologies	OUTFALL: Influent water flows	SAMPLER: Eduardo Salazar
ADDRESS: 7471 Fifth Street Frisco, Texas 75034	NATURE OF INDUSTRY: Former Secondary Smelting	REPRESENTING: City of Frisco
INDUSTRY REPRESENTATIVE (S): Eduardo Salazar		SIGNATURE: <i>Eduardo Salazar</i>

SAMPLE No. / IDENTIFICATION	DATE (S)	TIME (S)	SAMPLE TYPE **	ANALYSES REQUESTED	pH	DATE TIME	INITIALS	PRESERVATION/ REMARKS/CONTAINERS / ALL SAMPLES COOL ≤ 6° C	INITIALS
FD070523-001	07/05/23	1:00 PM	Grab	TDS-TSS	9.0	07/05/23 1:00 PM	<i>ES</i>	None/1 liter	ES
FD070523-002	07/05/23	1:00 PM	Grab	As,Cd,Cu,Mn, Ni,Ag,Fe,Ba,C r,Pb,Hg,Se,Zn	9.0	07/05/23 1:00 PM	<i>ES</i>	HN03/250ml/plastic	ES
SO070523-001	07/05/23	12:50 PM	Grab	TDS-TSS	8.6	07/05/23 12:50 PM	<i>ES</i>	None/1 liter	ES
SO070523-002	07/05/23	12:50 PM	Grab	As,Cd,Cu,Mn, Ni,Ag,Fe,Ba,C r,Pb,Hg,Se,Zn	8.6	07/05/23 12:50 PM	<i>ES</i>	HN03/250ml/plastic	ES
L070523-001	07/05/23	12:35 PM	Grab	TDS-TSS	12.0	07/05/23 12:35 PM	<i>ES</i>	None/1 liter	ES
L070523-002	07/05/23	12:35 PM	Grab	As,Cd,Cu,Mn, Ni,Ag,Fe,Ba,C r,Pb,Hg,Se,Zn	12.0	07/05/23 12:35 PM	<i>ES</i>	HN03/250ml/plastic	ES

001
002
003
004
005
006

FIELD INFORMATION: Raw Grab Samples Quarterly

E-MAIL RESULTS TO Billy.king@nclap.com E.Salazar@frisco.tx.us

RELINQUISHED BY: (Signature) <i>Eduardo Salazar</i>	REPRESENTING City of Frisco	DATE 7-6-23	TIME 11:40 AM	RECEIVED BY: (Signature) <i>B. De Wold</i>	REPRESENTING JCS6	DATE 7/6/23	TIME 11:40 AM
RELINQUISHED BY: (Signature) <i>B. De Wold</i>	REPRESENTING JCS6	DATE 7/6/23	TIME 12:30 PM	RECEIVED BY: (Signature) <i>B. De Wold</i>	REPRESENTING SPL	DATE 7/6/23	TIME 1230

** TC = TIME COMPOSITE (6 PARTS) FC = FLOW WEIGHTED COMPOSITE (6 PARTS) G = GRAB

0X-320 0.50C