

Texas Commission on Environmental Quality

# Remediation Division Correspondence Identification Form

## SITE & PROGRAM AREA IDENTIFICATION

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

## DOCUMENT(S) IDENTIFICATION

PHASE OF REMEDIATION		DOCUMENT NAME
1.	<input type="text" value="MISCELLANEOUS"/>	<input type="text" value="TECHNICAL REPORT NOT OTHERWISE SPECIFIED (NOS)"/>
2.	<input type="text"/>	<input type="text"/>
3.	<input type="text"/>	<input type="text"/>
4.	<input type="text"/>	<input type="text"/>
5.	<input type="text"/>	<input type="text"/>

## CONTACT INFORMATION

### RESPONSIBLE PARTY/APPLICANT/CUSTOMER

Name: **Mack Borchardt**  
 Company: **City of Frisco**  
 Address 1: **6101 Frisco Square Blvd**  
 Address 2:  
 Phone Number: **(972) 292-5127**  
 City: **Frisco** State: **TX** Zip Code: **75034**  
 Email Address: [mborchardt@friscotexas.gov](mailto:mborchardt@friscotexas.gov)

### ENVIRONMENTAL CONSULTANT/REPORT PREPARER/AGENT

Name: **Catherine Mear**  
 Company: **WSP USA, Inc.**  
 Address 1: **1601 S Mopac Expy, Suite 325**  
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 Phone Number: **(512) 517-0628**  
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## TCEQ INTERNAL USE ONLY

Document No.	TCEQ Database Term	Document No.	TCEQ Database Term
1.	<b>TECHNICAL REPORT</b>	4.	
2.		5.	
3.			



January 16, 2024

Project No. GL20409062.001

**Mack Borchardt**

City of Frisco  
6101 Frisco Square Boulevard  
Frisco, Texas 75034

**RE: 2023 FOURTH 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 fourth 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 fourth 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 fourth 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 fourth 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 higher when compared to the third quarter 2023, ranging from 0.08 ft to 0.26 ft higher 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 November 30, 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 October 11, 2023. Analytical results are summarized in Table 3 and the laboratory report is provided in Attachment A. The fourth quarter 2023 sample results for metals and general chemistry were generally similar to the third quarter 2023 sample.

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

## 4.0 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 P. Jennings, PG(TX)  
*Assistant Vice President, Geologist*

CAM/TJ

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**

Oct-23			Nov-23			Dec-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)
16,021		9.76	10,264		0.51	10,185		2.60
Date	Daily Flow (gal)	Daily Precip (in)	Date	Daily Flow (gal)	Daily Precip (in)	Date	Daily Flow (gal)	Daily Precip (in)
Sunday, October 1, 2023	0	0.00	Wednesday, November 1, 2023	1,285	0.00	Friday, December 1, 2023	188	0.01
Monday, October 2, 2023	48	0.00	Thursday, November 2, 2023	1,368	0.00	Saturday, December 2, 2023	95	0.00
Tuesday, October 3, 2023	0	0.00	Friday, November 3, 2023	1,042	0.00	Sunday, December 3, 2023	46	0.00
Wednesday, October 4, 2023	50	1.00	Saturday, November 4, 2023	946	0.00	Monday, December 4, 2023	1	0.00
Thursday, October 5, 2023	569	0.09	Sunday, November 5, 2023	555	0.00	Tuesday, December 5, 2023	33	0.00
Friday, October 6, 2023	390	0.00	Monday, November 6, 2023	339	0.00	Wednesday, December 6, 2023	47	0.00
Saturday, October 7, 2023	274	0.00	Tuesday, November 7, 2023	390	0.00	Thursday, December 7, 2023	47	0.00
Sunday, October 8, 2023	164	0.00	Wednesday, November 8, 2023	288	0.00	Friday, December 8, 2023	53	0.00
Monday, October 9, 2023	147	0.00	Thursday, November 9, 2023	384	0.24	Saturday, December 9, 2023	43	0.00
Tuesday, October 10, 2023	48	0.00	Friday, November 10, 2023	631	0.00	Sunday, December 10, 2023	54	0.00
Wednesday, October 11, 2023	48	0.00	Saturday, November 11, 2023	284	0.00	Monday, December 11, 2023	48	0.00
Thursday, October 12, 2023	48	0.00	Sunday, November 12, 2023	285	0.00	Tuesday, December 12, 2023	46	0.00
Friday, October 13, 2023	19	0.00	Monday, November 13, 2023	289	0.00	Wednesday, December 13, 2023	48	0.00
Saturday, October 14, 2023	79	0.00	Tuesday, November 14, 2023	192	0.00	Thursday, December 14, 2023	0	0.00
Sunday, October 15, 2023	0	0.00	Wednesday, November 15, 2023	142	0.00	Friday, December 15, 2023	55	0.48
Monday, October 16, 2023	50	0.00	Thursday, November 16, 2023	145	0.00	Saturday, December 16, 2023	662	0.00
Tuesday, October 17, 2023	0	0.00	Friday, November 17, 2023	143	0.00	Sunday, December 17, 2023	144	0.00
Wednesday, October 18, 2023	0	0.00	Saturday, November 18, 2023	19	0.00	Monday, December 18, 2023	142	0.00
Thursday, October 19, 2023	48	0.00	Sunday, November 19, 2023	174	0.07	Tuesday, December 19, 2023	108	0.00
Friday, October 20, 2023	0	0.00	Monday, November 20, 2023	187	0.00	Wednesday, December 20, 2023	85	0.00
Saturday, October 21, 2023	0	0.00	Tuesday, November 21, 2023	143	0.00	Thursday, December 21, 2023	49	0.74
Sunday, October 22, 2023	46	0.00	Wednesday, November 22, 2023	99	0.00	Friday, December 22, 2023	955	0.17
Monday, October 23, 2023	1	0.11	Thursday, November 23, 2023	47	0.00	Saturday, December 23, 2023	696	0.29
Tuesday, October 24, 2023	0	1.16	Friday, November 24, 2023	94	0.00	Sunday, December 24, 2023	1,010	0.91
Wednesday, October 25, 2023	1,238	2.49	Saturday, November 25, 2023	46	0.12	Monday, December 25, 2023	958	0.00
Thursday, October 26, 2023	1,847	2.12	Sunday, November 26, 2023	141	0.00	Tuesday, December 26, 2023	1,737	0.00
Friday, October 27, 2023	1,259	0.09	Monday, November 27, 2023	268	0.00	Wednesday, December 27, 2023	887	0.00
Saturday, October 28, 2023	1,372	2.10	Tuesday, November 28, 2023	149	0.00	Thursday, December 28, 2023	654	0.00
Sunday, October 29, 2023	1,538	0.14	Wednesday, November 29, 2023	96	0.00	Friday, December 29, 2023	482	0.00
Monday, October 30, 2023	3379	0.46	Thursday, November 30, 2023	93	0.08	Saturday, December 30, 2023	477	0.00
Tuesday, October 31, 2023	3,359	0.00				Sunday, December 31, 2023	335	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: ML 1/5/2024

Checked by: CM 1/8/2024

Reviewed by: TJ 1/10/2024

**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
			11/30/2023	5.47	626.46

**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
			11/30/2023	6.03	627.48
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
			11/30/2023	9.81	626.90



**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
			11/30/2023	3.27	627.69
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
			11/30/2023	0.26	632.33

**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
			11/30/2023	2.72	630.11
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
			11/30/2023	4.03	628.52

**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
			11/30/2023	4.31	626.67

## 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 12/26/2023

Checked by: ML 1/4/2024

Reviewed by: TJ 1/10/2024

**Table 3**  
**French Drain Water**  
**Analytical Data**

	Sample ID FD101123-001		Sample ID FD101123-002	
	Laboratory ID 23100264-001		Laboratory ID 23100264-002	
	Date Collected 10/11/2023 10:50		Date Collected 10/11/2023 10:50	
Metals				
Parameter:	Result	Units	Result	Units
Arsenic	NA	mg/L	<0.003	mg/L
Barium	NA	mg/L	<b>0.044</b>	mg/L
Cadmium	NA	mg/L	<b>0.0009 J-5</b>	mg/L
Chromium	NA	mg/L	<b>0.013</b>	mg/L
Copper	NA	mg/L	<b>0.0094</b>	mg/L
Iron	NA	mg/L	<b>0.42 J-5</b>	mg/L
Lead	NA	mg/L	<b>0.030</b>	mg/L
Manganese	NA	mg/L	<b>0.010</b>	mg/L
Nickel	NA	mg/L	<0.003	mg/L
Selenium	NA	mg/L	<b>0.0125</b>	mg/L
Silver	NA	mg/L	<0.001	mg/L
Zinc	NA	mg/L	<b>0.065</b>	mg/L
Mercury	NA	mg/L	<0.0001	mg/L
General Chemistry				
Parameter:	Result	Units	Result	Units
Total Suspended Solids	<b>21.2</b>	mg/L	NA	mg/L
Total Dissolved Solids	<b>1,160</b>	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: ML 01/05/2024

Checked by: CM 1/8/2024

Reviewed by: TJ 1/10/2024





**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	THR

PROJECT NO.	CONTROL	REV.	FIGURE
GL2040906201	1302086Y003	0	1





Friday, November 3, 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>
23100264-001	FD101123-001	Liquid	10/11/2023 10:50	Total Dissolved Solids, Total Suspended Solids
23100264-002	FD101123-002	Liquid	10/11/2023 10:50	Arsenic, Barium, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Mercury, Nickel, Selenium, Silver, Zinc
23100264-003	SO101123-001	Liquid	10/11/2023 09:20	Total Dissolved Solids, Total Suspended Solids
23100264-004	SO101123-002	Liquid	10/11/2023 09:20	Arsenic, Barium, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Mercury, Nickel, Selenium, Silver, Zinc
23100264-005	L101123-001	Liquid	10/11/2023 09:50	Total Dissolved Solids, Total Suspended Solids
23100264-006	L101123-002	Liquid	10/11/2023 09:50	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: **FD101123-001**

SPL Sample ID: 23100264-001

Matrix: **Liquid**

Sample Received: 10/12/2023

Sample Collected: **10/11/2023 10:50**

Parameter	SDL	MQL	Result	Units	Date Analyzed	Method	Analyst	Flags
<b>General Chemistry</b>								
Total Dissolved Solids	50.0	50	<b>1160</b>	mg/L	10/13/23 15:20	SM 2540-C	K.V.	
Total Suspended Solids	1.0	5	<b>21.2</b>	mg/L	10/13/23 10:10	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: **FD101123-002**

SPL Sample ID: 23100264-002

Sample Received: 10/12/2023

Matrix: **Liquid**

Sample Collected: **10/11/2023 10:50**

Parameter	SDL	MQL	Result	Units	Date Analyzed	Method	Analyst	Flags
<b>Metals</b>								
<i>Digested by method 200.8 on 10/13/23 at 08:40</i>								
Arsenic	0.003	0.005	ND	mg/L	10/17/23 21:30	200.8	M.F.	
Barium	0.003	0.005	<b>0.044</b>	mg/L	10/17/23 21:30	200.8	M.F.	
Cadmium	0.0005	0.001	<b>0.0009</b>	mg/L	10/17/23 21:30	200.8	M.F.	J-5
Chromium	0.003	0.005	<b>0.013</b>	mg/L	10/17/23 21:30	200.8	M.F.	
Copper	0.0025	0.005	<b>0.0094</b>	mg/L	10/17/23 21:30	200.8	M.F.	
Iron	0.25	0.5	<b>0.42</b>	mg/L	10/17/23 21:30	200.8	M.F.	J-5
Lead	0.003	0.005	<b>0.030</b>	mg/L	10/17/23 21:30	200.8	M.F.	
Manganese	0.001	0.002	<b>0.010</b>	mg/L	10/17/23 21:30	200.8	M.F.	
Nickel	0.003	0.005	ND	mg/L	10/17/23 21:30	200.8	M.F.	
Selenium	0.0025	0.005	<b>0.0125</b>	mg/L	10/17/23 21:30	200.8	M.F.	
Silver	0.001	0.001	ND	mg/L	10/17/23 21:30	200.8	M.F.	
Zinc	0.003	0.005	<b>0.065</b>	mg/L	10/17/23 21:30	200.8	M.F.	
<i>Digested by method 245.1 on 10/16/23 at 09:51</i>								
Mercury	0.0001	0.0002	ND	mg/L	10/16/23 15:54	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:
FD101123-001	23100264-001	Total Dissolved Solids	SM 2540-C	TDS__09130_L
		Total Suspended Solids	SM 2540-D	TSS__09852_L
FD101123-002	23100264-002	Mercury	245.1	MERC_02253_L
		Arsenic	200.8	META_07285_L
		Selenium	200.8	META_07285_L
		Silver	200.8	META_07285_L
		Zinc	200.8	META_07285_L
		Manganese	200.8	META_07285_L
		Lead	200.8	META_07285_L
		Iron	200.8	META_07285_L
		Copper	200.8	META_07285_L
		Chromium	200.8	META_07285_L
		Nickel	200.8	META_07285_L
		Barium	200.8	META_07285_L
		Cadmium	200.8	META_07285_L
SO101123-001	23100264-003	Total Dissolved Solids	SM 2540-C	TDS__09130_L
		Total Suspended Solids	SM 2540-D	TSS__09852_L
SO101123-002	23100264-004	Mercury	245.1	MERC_02253_L
		Copper	200.8	META_07285_L
		Silver	200.8	META_07285_L
		Selenium	200.8	META_07285_L
		Nickel	200.8	META_07285_L
		Manganese	200.8	META_07285_L
		Iron	200.8	META_07285_L
		Chromium	200.8	META_07285_L
		Zinc	200.8	META_07285_L
		Cadmium	200.8	META_07285_L
		Barium	200.8	META_07285_L
		Arsenic	200.8	META_07285_L
		Lead	200.8	META_07285_L
L101123-001	23100264-005	Total Dissolved Solids	SM 2540-C	TDS__09130_L
		Total Suspended Solids	SM 2540-D	TSS__09852_L
L101123-002	23100264-006	Mercury	245.1	MERC_02253_L
		Lead	200.8	META_07285_L
		Arsenic	200.8	META_07285_L
		Barium	200.8	META_07285_L
		Cadmium	200.8	META_07285_L
		Chromium	200.8	META_07285_L
		Iron	200.8	META_07285_L
		Manganese	200.8	META_07285_L
		Nickel	200.8	META_07285_L
		Selenium	200.8	META_07285_L
		Silver	200.8	META_07285_L
		Zinc	200.8	META_07285_L
		Copper	200.8	META_07285_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
<b>QCBatchID TDS_09130_L</b>									
Blank	Total Dissolved Solids	ND mg/L							
LCS	Total Dissolved Solids	990 mg/L		1000 mg/L	99%	90-110%			
LCSD	Total Dissolved Solids	985 mg/L		1000 mg/L	99%	90-110%	0.5%	0-5%	
Replicate	Total Dissolved Solids	2870 mg/L	2900 mg/L				1.0%	0-5%	
<b>QCBatchID TSS_09852_L</b>									
Blank	Total Suspended Solids	ND mg/L							
LCS	Total Suspended Solids	500 mg/L		500 mg/L	100%	85-115%			
LCSD	Total Suspended Solids	494 mg/L		500 mg/L	99%	85-115%	1.2%	0-15%	
Replicate	Total Suspended Solids	1100 mg/L	1130 mg/L				3.0%	0-15%	
<b>QCBatchID MERC_02253_L</b>									
Blank	Mercury	ND mg/L							
LCS	Mercury	0.0098 mg/L		0.01 mg/L	98%	85-115%			
LCSD	Mercury	0.0097 mg/L		0.01 mg/L	97%	85-115%	1.3%	0-25%	
MS	Mercury	0.0099 mg/L	ND	0.01 mg/L	99%	80-120%			
MSD	Mercury	0.0092 mg/L	ND	0.01 mg/L	92%	80-120%	7.0%	0-25%	
<b>QCBatchID META_07285_L</b>									
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	0.104 mg/L		0.1 mg/L	104%	85-115%			
	Barium	0.102 mg/L		0.1 mg/L	102%	85-115%			
	Cadmium	0.1098 mg/L		0.1 mg/L	110%	85-115%			
	Chromium	0.104 mg/L		0.1 mg/L	104%	85-115%			
	Copper	0.1016 mg/L		0.1 mg/L	102%	85-115%			
	Iron	9.93 mg/L		10.1 mg/L	98%	85-115%			
	Lead	0.102 mg/L		0.1 mg/L	102%	85-115%			
	Manganese	0.104 mg/L		0.1 mg/L	104%	85-115%			
	Nickel	0.099 mg/L		0.1 mg/L	99%	85-115%			
	Selenium	0.1020 mg/L		0.1 mg/L	102%	85-115%			
	Silver	0.104 mg/L		0.1 mg/L	104%	85-115%			
	Zinc	0.101 mg/L		0.1 mg/L	101%	85-115%			
LCSD	Arsenic	0.105 mg/L		0.1 mg/L	105%	85-115%	1.3%	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
<b>QCBatchID META_07285_L</b>									
	Barium	0.103 mg/L		0.1 mg/L	103%	85-115%	0.7%	0-20%	
	Cadmium	0.1042 mg/L		0.1 mg/L	104%	85-115%	5.2%	0-20%	
	Chromium	0.106 mg/L		0.1 mg/L	106%	85-115%	2.3%	0-20%	
	Copper	0.1022 mg/L		0.1 mg/L	102%	85-115%	0.6%	0-20%	
	Iron	9.98 mg/L		10.1 mg/L	99%	85-115%	0.5%	0-20%	
	Lead	0.103 mg/L		0.1 mg/L	104%	85-115%	1.4%	0-20%	
	Manganese	0.104 mg/L		0.1 mg/L	104%	85-115%	0.1%	0-20%	
	Nickel	0.100 mg/L		0.1 mg/L	100%	85-115%	0.8%	0-20%	
	Selenium	0.1055 mg/L		0.1 mg/L	106%	85-115%	3.3%	0-20%	
	Silver	0.100 mg/L		0.1 mg/L	100%	85-115%	4.0%	0-20%	
	Zinc	0.103 mg/L		0.1 mg/L	103%	85-115%	1.8%	0-20%	
MS	Arsenic	0.523 mg/L	ND	0.5 mg/L	105%	80-120%			
	Barium	0.504 mg/L	0.008 mg/L	0.5 mg/L	99%	80-120%			
	Cadmium	0.5441 mg/L	ND	0.5 mg/L	109%	80-120%			
	Chromium	0.543 mg/L	0.008 mg/L	0.5 mg/L	107%	80-120%			
	Copper	0.5212 mg/L	ND	0.5 mg/L	104%	80-120%			
	Iron	50.0 mg/L	0.1 mg/L	50.5 mg/L	99%	80-120%			
	Lead	0.504 mg/L	ND	0.5 mg/L	101%	80-120%			
	Manganese	0.535 mg/L	0.017 mg/L	0.5 mg/L	104%	80-120%			
	Nickel	0.499 mg/L	ND	0.5 mg/L	100%	80-120%			
	Selenium	0.4927 mg/L	ND	0.5 mg/L	99%	80-120%			
	Silver	0.514 mg/L	ND	0.5 mg/L	103%	80-120%			
	Zinc	0.518 mg/L	0.007 mg/L	0.5 mg/L	102%	80-120%			
MSD	Arsenic	0.511 mg/L	ND	0.5 mg/L	102%	80-120%	2.4%	0-20%	
	Barium	0.516 mg/L	0.008 mg/L	0.5 mg/L	102%	80-120%	2.4%	0-20%	
	Cadmium	0.5119 mg/L	ND	0.5 mg/L	102%	80-120%	6.1%	0-20%	
	Chromium	0.526 mg/L	0.008 mg/L	0.5 mg/L	104%	80-120%	3.2%	0-20%	
	Copper	0.4992 mg/L	ND	0.5 mg/L	100%	80-120%	4.3%	0-20%	
	Iron	48.0 mg/L	0.1 mg/L	50.5 mg/L	95%	80-120%	4.0%	0-20%	
	Lead	0.486 mg/L	ND	0.5 mg/L	97%	80-120%	3.7%	0-20%	
	Manganese	0.525 mg/L	0.017 mg/L	0.5 mg/L	102%	80-120%	1.8%	0-20%	
	Nickel	0.488 mg/L	ND	0.5 mg/L	98%	80-120%	2.2%	0-20%	
	Selenium	0.4813 mg/L	ND	0.5 mg/L	96%	80-120%	2.3%	0-20%	
	Silver	0.477 mg/L	ND	0.5 mg/L	95%	80-120%	7.4%	0-20%	
	Zinc	0.545 mg/L	0.007 mg/L	0.5 mg/L	108%	80-120%	5.2%	0-20%	



Frisco Community Development Corp/City of Fri  
Eduardo Salazar

## Case Narrative

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

J-5	The associated concentration is an estimated value detected between the SDL and the Adjusted MQL
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: **1.1 °C on Ice**

Receipt method: **Customer Courier**

Custody seal intact: **Yes**

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

Customer Sample ID: **FD101123-001**

Collected By: **Eduardo Salazar**

SPL Sample ID: **23100264-001**

Collector Affiliation: **City of Frisco**

Collected: **10/11/23 10:50**

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: **FD101123-002**

Collected By: **Eduardo Salazar**

SPL Sample ID: **23100264-002**

Collector Affiliation: **City of Frisco**

Collected: **10/11/23 10:50**

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: **SO101123-001**

Collected By: **Eduardo Salazar**

SPL Sample ID: **23100264-003**

Collector Affiliation: **City of Frisco**

Collected: **10/11/23 09:20**

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: **SO101123-002**

Collected By: **Eduardo Salazar**

SPL Sample ID: **23100264-004**

Collector Affiliation: **City of Frisco**

Collected: **10/11/23 09:20**

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

*Additional preservative added prior to analysis*

Customer Sample ID: **L101123-001**

Collected By: **Eduardo Salazar**

SPL Sample ID: **23100264-005**

Collector Affiliation: **City of Frisco**

Collected: **10/11/23 09:50**

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: **L101123-002**

SPL Sample ID: **23100264-006**

Collected: **10/11/23 09:50**

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
<i>Additional preservative added prior to analysis</i>					

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

O.C.



## 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

23100264

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
FD101123-001	10/11/23	10:50 AM	Grab	TDS-TSS	9.8	10/11/23 10:50 AM		None/1 liter	ES
FD101123-002	10/11/23	10:50 AM	Grab	As,Cd,Cu,Mn, Ni,Ag,Fe,Ba,C r,Pb,Hg,Se,Zn	9.8	10/11/23 10:50 AM		HNo3//250ml/plastic	ES
SO101123-001	10/11/23	9:20 AM	Grab	TDS-TSS	8.8	10/11/23 9:20 AM		None/1 liter	ES
SO101123-002	10/11/23	9:20 AM	Grab	As,Cd,Cu,Mn, Ni,Ag,Fe,Ba,C r,Pb,Hg,Se,Zn	8.8	10/11/23 9:20 AM		HNo3//250ml/plastic	ES
L101123-001	10/11/23	9:50 AM	Grab	TDS-TSS	12.0	10/11/23 9:50 AM		None/1 liter	ES
L101123-002	10/11/23	9:50 AM	Grab	As,Cd,Cu,Mn, Ni,Ag,Fe,Ba,C r,Pb,Hg,Se,Zn	12.0	10/11/23 9:50 AM		HNo3//250ml/plastic	ES

001

002

003

004

005

006

FIELD INFORMATION: Raw Grab Samples Quarterly E-MAIL RESULTS TO Billy.king@nrelap.com E.Salazar@friscoctexas.gov Al.hinkstrom@braunintertec.com

### USE WASTE WATER REPORT FORMAT

RELINQUISHED BY: (Signature)	REPRESENTING	DATE	TIME	RECEIVED BY: (Signature)	REPRESENTING	DATE	TIME
<i>Eduardo Salazar</i>	City Of Frisco	10/12/23	9:50 AM	<i>Rita Arnold</i>	JCS6	10/12/23	9:50 AM
RELINQUISHED BY: (Signature)	REPRESENTING	DATE	TIME	RECEIVED BY: (Signature)	REPRESENTING	DATE	TIME
<i>Rita Arnold</i>	JCS6	10/12/23	11:00 AM	<i>Jim Clark</i>	SPR	10/12/23	11:00 AM

\*\* TC = TIME COMPOSITE (96 PARTS) FC = FLOW WEIGHTED COMPOSITE (96 PARTS) G = GRAB

1.1 °C  
0X-32.0