

January 14, 2022

Project No. 2040906201

Mack Borchardt

City of Frisco
6101 Frisco Square Boulevard
Frisco, Texas 75034

RE: 2021 THIRD QUARTER FRENCH DRAIN OPERATIONAL REPORT, FRISCO COMMUNITY DEVELOPMENT CORPORATION SITE, 7471 OLD 5TH STREET, FRISCO, TEXAS, SWR 30516

Dear Mr. Borchardt,

Golder Associates USA Inc. (Golder) has prepared this quarterly operational report for the French Drain System (FDS) at the Frisco Community Development Corporation (CDC) facility located at 7471 Old 5th 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 Frisco CDC.

This report includes general FDS background information and summarizes operation of the FDS system during the third quarter 2021. 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, 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 by the City of Frisco employees and Golder during the third quarter 2021 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 2021 were completed by both City of Frisco Site personnel as well as Golder staff. City of Frisco Site personnel conducted daily and weekly activities, and Golder personnel conducted the quarterly inspection.

Golder inspected the outside portion of the flood wall and identified that sealant previously added by the City of Frisco was working well and did not identify additional areas needing attention. 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 reading 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 local weather station located in Frisco, Texas (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 2021. 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 generally consistent when compared to the second quarter of 2021 (with some readings being slightly higher and some readings being slightly lower) than in the previous event.

3.3 Floodwall Seepage

There was no floodwall seepage observed during the flood wall inspections conducted on August 30, 2021.

3.4 White Crystalline Material Observations

White crystalline material was not observed on the flood wall during the Golder inspection conducted on August 30, 2021. As such, no samples of white crystalline material were collected or analyzed.

3.5 Laboratory Analytical Results

Water samples were collected by City of Frisco Site personnel from the FDS during the third quarter 2021. Sampling of the French Drain was conducted on July 8, 2021. All analytical results from these samples are included in Table 3 and Attachment A.

4.0 SUMMARY OF SYSTEM PERFORMANCE

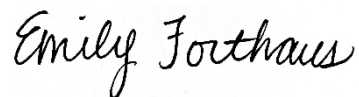
Based on the results of the inspection and monitoring activities for the third quarter 2021 described above, the FDS appears to be operating as designed.

5.0 CLOSURE

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

Sincerely,

Golder Associates USA Inc.



Emily P. Forthaus
Senior Consultant



Anne M. Faeth-Boyd, PG
Senior Lead Consultant

EPF/AMF

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-21 | | | Aug-21 | | | Sep-21 | | |
|--------------------------------|------------------|-------------------|--------------------------------|------------------|-------------------|--------------------------------|------------------|-------------------|
| Total Flow/Water Removed (gal) | | Total Precip (in) | Total Flow/Water Removed (gal) | | Total Precip (in) | Total Flow/Water Removed (gal) | | Total Precip (in) |
| 8,129 | | 3.37 | 4,954 | | 2.06 | 936 | | 0.00 |
| Date | Daily Flow (gal) | Daily Precip (in) | Date | Daily Flow (gal) | Daily Precip (in) | Date | Daily Flow (gal) | Daily Precip (in) |
| Thursday, July 1, 2021 | 269 | 0.00 | Sunday, August 1, 2021 | 53 | 0.04 | Wednesday, September 1, 2021 | 52 | 0.00 |
| Friday, July 2, 2021 | 494 | 1.33 | Monday, August 2, 2021 | 140 | 0.33 | Thursday, September 2, 2021 | 53 | 0.00 |
| Saturday, July 3, 2021 | 607 | 0.00 | Tuesday, August 3, 2021 | 160 | 0.00 | Friday, September 3, 2021 | 52 | 0.00 |
| Sunday, July 4, 2021 | 440 | 0.00 | Wednesday, August 4, 2021 | 61 | 0.00 | Saturday, September 4, 2021 | 47 | 0.00 |
| Monday, July 5, 2021 | 309 | 0.00 | Thursday, August 5, 2021 | 107 | 0.00 | Sunday, September 5, 2021 | 95 | 0.00 |
| Tuesday, July 6, 2021 | 187 | 0.00 | Friday, August 6, 2021 | 56 | 0.00 | Monday, September 6, 2021 | 41 | 0.00 |
| Wednesday, July 7, 2021 | 121 | 0.00 | Saturday, August 7, 2021 | NR | 0.00 | Tuesday, September 7, 2021 | 37 | 0.00 |
| Thursday, July 8, 2021 | 179 | 0.00 | Sunday, August 8, 2021 | NR | 0.00 | Wednesday, September 8, 2021 | 54 | 0.00 |
| Friday, July 9, 2021 | 109 | 0.00 | Monday, August 9, 2021 | 232 | 0.00 | Thursday, September 9, 2021 | 55 | 0.00 |
| Saturday, July 10, 2021 | NR | 0.00 | Tuesday, August 10, 2021 | 52 | 0.00 | Friday, September 10, 2021 | 0 | 0.00 |
| Sunday, July 11, 2021 | NR | 0.32 | Wednesday, August 11, 2021 | 52 | 0.00 | Saturday, September 11, 2021 | 58 | 0.00 |
| Monday, July 12, 2021 | 760 | 0.00 | Thursday, August 12, 2021 | 54 | 0.00 | Sunday, September 12, 2021 | 1 | 0.00 |
| Tuesday, July 13, 2021 | 167 | 0.00 | Friday, August 13, 2021 | 45 | 0.00 | Monday, September 13, 2021 | 73 | 0.00 |
| Wednesday, July 14, 2021 | 161 | 0.00 | Saturday, August 14, 2021 | 3 | 0.43 | Tuesday, September 14, 2021 | 0 | 0.00 |
| Thursday, July 15, 2021 | 108 | 0.00 | Sunday, August 15, 2021 | 100 | 0.01 | Wednesday, September 15, 2021 | 53 | 0.00 |
| Friday, July 16, 2021 | 112 | 0.00 | Monday, August 16, 2021 | 86 | 0.01 | Thursday, September 16, 2021 | 0 | 0.00 |
| Saturday, July 17, 2021 | 109 | 0.00 | Tuesday, August 17, 2021 | 107 | 0.14 | Friday, September 17, 2021 | 56 | 0.00 |
| Sunday, July 18, 2021 | 157 | 0.56 | Wednesday, August 18, 2021 | 603 | 0.80 | Saturday, September 18, 2021 | 40 | 0.00 |
| Monday, July 19, 2021 | 350 | 1.15 | Thursday, August 19, 2021 | 998 | 0.30 | Sunday, September 19, 2021 | 23 | 0.00 |
| Tuesday, July 20, 2021 | 1,439 | 0.01 | Friday, August 20, 2021 | 539 | 0.00 | Monday, September 20, 2021 | 21 | 0.00 |
| Wednesday, July 21, 2021 | 458 | 0.00 | Saturday, August 21, 2021 | 317 | 0.00 | Tuesday, September 21, 2021 | 0 | 0.00 |
| Thursday, July 22, 2021 | 341 | 0.00 | Sunday, August 22, 2021 | 208 | 0.00 | Wednesday, September 22, 2021 | 0 | 0.00 |
| Friday, July 23, 2021 | 144 | 0.00 | Monday, August 23, 2021 | 152 | 0.00 | Thursday, September 23, 2021 | 55 | 0.00 |
| Saturday, July 24, 2021 | NR | 0.00 | Tuesday, August 24, 2021 | 161 | 0.00 | Friday, September 24, 2021 | 0 | 0.00 |
| Sunday, July 25, 2021 | NR | 0.00 | Wednesday, August 25, 2021 | 162 | 0.00 | Saturday, September 25, 2021 | 0 | 0.00 |
| Monday, July 26, 2021 | 531 | 0.00 | Thursday, August 26, 2021 | 109 | 0.00 | Sunday, September 26, 2021 | 55 | 0.00 |
| Tuesday, July 27, 2021 | 161 | 0.00 | Friday, August 27, 2021 | 109 | 0.00 | Monday, September 27, 2021 | 15 | 0.00 |
| Wednesday, July 28, 2021 | 143 | 0.00 | Saturday, August 28, 2021 | 51 | 0.00 | Tuesday, September 28, 2021 | 0 | 0.00 |
| Thursday, July 29, 2021 | 111 | 0.00 | Sunday, August 29, 2021 | 108 | 0.00 | Wednesday, September 29, 2021 | 0 | 0.00 |
| Friday, July 30, 2021 | 54 | 0.00 | Monday, August 30, 2021 | 76 | 0.00 | Thursday, September 30, 2021 | 0 | 0.00 |
| Saturday, July 31, 2021 | 108 | 0.00 | Tuesday, August 31, 2021 | 53 | 0.00 | | | |

Notes:

Precipitation data obtained from <https://www.wunderground.com/dashboard/pws/KTXDALLA25>.

Daily flow volumes provided by the Site.

NR - Not Recorded.

Prepared by: RSP 11/23/2021

Checked by: EPF 01/07/2022

Reviewed by: AMF 01/11/2022

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 |

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 |
| 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 |

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 |
| 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 |

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 |
| 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 |

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 |

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: RSP 11/23/2021

Checked by: EPF 01/07/2022

Reviewed by: AMF 01/11/2022

Table 3
French Drain Water
Analytical Data

| | | | | |
|------------------------|----------------------------------|-------|----------------------------------|-------|
| | Sample ID FD100821-001 | | Sample ID FD100821-002 | |
| | Laboratory ID 21070206-001 | | Laboratory ID 21070206-002 | |
| | Date Collected 7/8/2021 12:30 | | Date Collected 7/8/2021 12:30 | |
| Metals | | | | |
| Parameter: | Result | Units | Result | Units |
| Arsenic | NA | mg/L | <0.003 | mg/L |
| Barium | NA | mg/L | 0.061 | mg/L |
| Cadmium | NA | mg/L | <0.0005 | mg/L |
| Chromium | NA | mg/L | 0.010 | mg/L |
| Copper | NA | mg/L | 0.0044 J-5 | mg/L |
| Iron | NA | mg/L | <0.25 | mg/L |
| Lead | NA | mg/L | 0.006 | mg/L |
| Manganese | NA | mg/L | <0.001 | mg/L |
| Nickel | NA | mg/L | <0.003 | mg/L |
| Selenium | NA | mg/L | 0.0137 | mg/L |
| Silver | NA | mg/L | <0.001 | mg/L |
| Zinc | NA | mg/L | <0.003 | mg/L |
| Mercury | NA | mg/L | <0.0001 | mg/L |
| General Chemistry | | | | |
| Parameter: | Result | Units | Result | Units |
| Total Suspended Solids | 3.9 J-5 | mg/L | NA | mg/L |
| Total Dissolved Solids | 1,160 | 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: RSP 01/07/2022

Checked by: EPF 01/07/2022

Reviewed by: AMF 01/11/2022



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 |
|  GOLDER MEMBER OF WSP | DESIGNED | JWT |
| | PREPARED | JWT |
| | REVIEWED | EPF |
| | APPROVED | AMF |

| | | | |
|-------------|-------------|------|--------|
| PROJECT NO. | CONTROL | REV. | FIGURE |
| 130208605 | 1302086Y003 | 0 | 1 |

R:\TH: C:\Users\jwhite\Documents\Info\acg\IS\Packaging\1302086Y003.mxd LAST SAVED ON: 2020-12-02 AT: 12:05:54 PM

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

Friday, July 16, 2021

Frisco Community Development Corp/City of Fri
Eduardo Salazar
6101 Frisco Square Blvd
Frisco, Texas 75034
Tel: (972) 335-2121 Fax:
esalazar@friscotexas.gov

Re: Project Name: F.C.D.C / Former Exide Technologies
Project Number: Influent water flows
Project Location: 7471 Fifth Street Frisco, Texas 75034

Oxidor 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> |
|---------------|------------------|---------------|------------------|------------------------------------------------------------------------------------------------------------|
| 21070206-001 | FD070821-001 | Liquid | 7/8/2021 12:30 | Total Dissolved Solids, Total Suspended Solids |
| 21070206-002 | FD070821-002 | Liquid | 7/8/2021 12:30 | Arsenic, Barium, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Mercury, Nickel, Selenium, Silver, Zinc |
| 21070206-003 | SO070821-001 | Liquid | 7/8/2021 12:45 | Total Dissolved Solids, Total Suspended Solids |
| 21070206-004 | SO070821-002 | Liquid | 7/8/2021 12:45 | Arsenic, Barium, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Mercury, Nickel, Selenium, Silver, Zinc |
| 21070206-005 | L070821-001 | Liquid | 7/8/2021 12:55 | Total Dissolved Solids, Total Suspended Solids |
| 21070206-006 | L070821-002 | Liquid | 7/8/2021 12:55 | 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,



Charles Brungardt
President

Frisco Community Development Corp/City of Fri
Eduardo Salazar

Analytical Report

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

Customer Sample ID: **FD070821-001**

Oxidor Sample ID: 21070206-001

Sample Received: 7/9/2021

Matrix: **Liquid**

Sample Collected: **7/8/2021 12:30**

| Parameter | SDL | MQL | Result | Units | Date Analyzed | Method | Analyst | Flags |
|--------------------------|------|-----|-------------|-------|----------------|-----------|---------|-------|
| General Chemistry | | | | | | | | |
| Total Dissolved Solids | 50.0 | 25 | 1160 | mg/L | 07/14/21 16:12 | SM-2540-C | K.V. | |
| Total Suspended Solids | 1.0 | 5 | 3.9 | mg/L | 07/14/21 10:15 | SM-2540-D | K.V. | J-5 |

Frisco Community Development Corp/City of Fri
Eduardo Salazar

Analytical Report

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

Customer Sample ID: **FD070821-002**

Oxidor Sample ID: 21070206-002

Sample Received: 7/9/2021

Matrix: **Liquid**

Sample Collected: **7/8/2021 12:30**

| Parameter | SDL | ML | Result | Units | Date Analyzed | Method | Analyst | Flags |
|------------------------------------------------------|--------|--------|---------------|-------|----------------|--------|---------|-------|
| Metals | | | | | | | | |
| <i>Digested by method 200.8 on 07/12/21 at 10:42</i> | | | | | | | | |
| Arsenic | 0.003 | 0.005 | ND | mg/L | 07/13/21 13:19 | 200.8 | K.E.L. | |
| Barium | 0.003 | 0.005 | 0.061 | mg/L | 07/13/21 13:19 | 200.8 | K.E.L. | |
| Cadmium | 0.0005 | 0.001 | ND | mg/L | 07/13/21 13:19 | 200.8 | K.E.L. | |
| Chromium | 0.003 | 0.005 | 0.010 | mg/L | 07/13/21 13:19 | 200.8 | K.E.L. | |
| Copper | 0.0025 | 0.005 | 0.0044 | mg/L | 07/13/21 13:19 | 200.8 | K.E.L. | J-5 |
| Iron | 0.25 | 0.5 | ND | mg/L | 07/13/21 13:19 | 200.8 | K.E.L. | |
| Lead | 0.003 | 0.005 | 0.006 | mg/L | 07/13/21 13:19 | 200.8 | K.E.L. | |
| Manganese | 0.001 | 0.002 | ND | mg/L | 07/13/21 13:19 | 200.8 | K.E.L. | |
| Nickel | 0.003 | 0.005 | ND | mg/L | 07/13/21 13:19 | 200.8 | K.E.L. | |
| Selenium | 0.0025 | 0.005 | 0.0137 | mg/L | 07/13/21 13:19 | 200.8 | K.E.L. | |
| Silver | 0.001 | 0.001 | ND | mg/L | 07/13/21 13:19 | 200.8 | K.E.L. | |
| Zinc | 0.003 | 0.005 | ND | mg/L | 07/13/21 13:19 | 200.8 | K.E.L. | |
| <i>Digested by method 245.1 on 07/13/21 at 09:05</i> | | | | | | | | |
| Mercury | 0.0001 | 0.0002 | ND | mg/L | 07/13/21 15:05 | 245.1 | C.L.B. | |

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: |
|--------------|--------------|------------------------|-----------|--------------|
| FD070821-001 | 21070206-001 | Total Dissolved Solids | SM-2540-C | TDS__02228_L |
| | | Total Suspended Solids | SM-2540-D | TSS__09646_L |
| FD070821-002 | 21070206-002 | Mercury | 245.1 | MERC_05948_L |
| | | Arsenic | 200.8 | META_19080_L |
| | | Selenium | 200.8 | META_19080_L |
| | | Silver | 200.8 | META_19080_L |
| | | Zinc | 200.8 | META_19080_L |
| | | Manganese | 200.8 | META_19080_L |
| | | Lead | 200.8 | META_19080_L |
| | | Iron | 200.8 | META_19080_L |
| | | Copper | 200.8 | META_19080_L |
| | | Chromium | 200.8 | META_19080_L |
| | | Nickel | 200.8 | META_19080_L |
| | | Barium | 200.8 | META_19080_L |
| | | Cadmium | 200.8 | META_19080_L |
| SO070821-001 | 21070206-003 | Total Dissolved Solids | SM-2540-C | TDS__02228_L |
| | | Total Suspended Solids | SM-2540-D | TSS__09646_L |
| SO070821-002 | 21070206-004 | Mercury | 245.1 | MERC_05948_L |
| | | Copper | 200.8 | META_19080_L |
| | | Silver | 200.8 | META_19080_L |
| | | Selenium | 200.8 | META_19080_L |
| | | Nickel | 200.8 | META_19080_L |
| | | Manganese | 200.8 | META_19080_L |
| | | Iron | 200.8 | META_19080_L |
| | | Chromium | 200.8 | META_19080_L |
| | | Zinc | 200.8 | META_19080_L |
| | | Cadmium | 200.8 | META_19080_L |
| | | Barium | 200.8 | META_19080_L |
| | | Arsenic | 200.8 | META_19080_L |
| | | Lead | 200.8 | META_19080_L |
| L070821-001 | 21070206-005 | Total Dissolved Solids | SM-2540-C | TDS__02228_L |
| | | Total Suspended Solids | SM-2540-D | TSS__09646_L |
| L070821-002 | 21070206-006 | Mercury | 245.1 | MERC_05948_L |
| | | Lead | 200.8 | META_19080_L |
| | | Arsenic | 200.8 | META_19080_L |
| | | Barium | 200.8 | META_19080_L |
| | | Cadmium | 200.8 | META_19080_L |
| | | Chromium | 200.8 | META_19080_L |
| | | Iron | 200.8 | META_19080_L |
| | | Manganese | 200.8 | META_19080_L |
| | | Nickel | 200.8 | META_19080_L |
| | | Selenium | 200.8 | META_19080_L |
| | | Silver | 200.8 | META_19080_L |
| | | Zinc | 200.8 | META_19080_L |
| | | Copper | 200.8 | META_19080_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__02228_L | | | | | | | | | |
| Blank | Total Dissolved Solids | ND mg/L | | | | | | | |
| LCS | Total Dissolved Solids | 1000 mg/L | | 1000 mg/L | 100% | 90-110% | | | |
| LCSD | Total Dissolved Solids | 1000 mg/L | | 1000 mg/L | 100% | 90-110% | 0.0% | 0-5% | |
| Replicate | Total Dissolved Solids | 2060 mg/L | 2100 mg/L | | | | 1.9% | 0-5% | |
| QCBatchID TSS__09646_L | | | | | | | | | |
| Blank | Total Suspended Solids | ND mg/L | | | | | | | |
| LCS | Total Suspended Solids | 498 mg/L | | 500 mg/L | 100% | 85-115% | | | |
| LCSD | Total Suspended Solids | 507 mg/L | | 500 mg/L | 101% | 85-115% | 1.8% | 0-15% | |
| Replicate | Total Suspended Solids | 2320 mg/L | 2320 mg/L | | | | 0.0% | 0-15% | |
| QCBatchID MERC_05948_L | | | | | | | | | |
| Blank | Mercury | ND mg/L | | | | | | | |
| LCS | Mercury | 0.0103 mg/L | | 0.01 mg/L | 103% | 85-115% | | | |
| LCSD | Mercury | 0.0104 mg/L | | 0.01 mg/L | 104% | 85-115% | 1.0% | 0-25% | |
| MS | Mercury | 0.0102 mg/L | ND | 0.01 mg/L | 102% | 80-120% | | | |
| MSD | Mercury | 0.0086 mg/L | ND | 0.01 mg/L | 86% | 80-120% | 17.0% | 0-25% | |
| QCBatchID META_19080_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 | 0.102 mg/L | | 0.1 mg/L | 102% | 85-115% | | | |
| | Barium | 0.100 mg/L | | 0.1 mg/L | 100% | 85-115% | | | |
| | Cadmium | 0.1058 mg/L | | 0.1 mg/L | 106% | 85-115% | | | |
| | Chromium | 0.104 mg/L | | 0.1 mg/L | 104% | 85-115% | | | |
| | Copper | 0.0981 mg/L | | 0.1 mg/L | 98% | 85-115% | | | |
| | Iron | 10.3 mg/L | | 10.1 mg/L | 102% | 85-115% | | | |
| | Lead | 0.100 mg/L | | 0.1 mg/L | 100% | 85-115% | | | |
| | Manganese | 0.103 mg/L | | 0.1 mg/L | 103% | 85-115% | | | |
| | Nickel | 0.100 mg/L | | 0.1 mg/L | 100% | 85-115% | | | |
| | Selenium | 0.0994 mg/L | | 0.1 mg/L | 99% | 85-115% | | | |
| | Silver | 0.105 mg/L | | 0.1 mg/L | 105% | 85-115% | | | |
| | Zinc | 0.097 mg/L | | 0.1 mg/L | 97% | 85-115% | | | |

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_19080_L | | | | | | | | | |
| LCSD | Arsenic | 0.104 mg/L | | 0.1 mg/L | 104% | 85-115% | 1.9% | 0-20% | |
| | Barium | 0.100 mg/L | | 0.1 mg/L | 100% | 85-115% | 0.0% | 0-20% | |
| | Cadmium | 0.1060 mg/L | | 0.1 mg/L | 106% | 85-115% | 0.2% | 0-20% | |
| | Chromium | 0.105 mg/L | | 0.1 mg/L | 105% | 85-115% | 1.0% | 0-20% | |
| | Copper | 0.0999 mg/L | | 0.1 mg/L | 100% | 85-115% | 1.8% | 0-20% | |
| | Iron | 10.4 mg/L | | 10.1 mg/L | 103% | 85-115% | 1.0% | 0-20% | |
| | Lead | 0.102 mg/L | | 0.1 mg/L | 102% | 85-115% | 2.0% | 0-20% | |
| | Manganese | 0.104 mg/L | | 0.1 mg/L | 104% | 85-115% | 1.0% | 0-20% | |
| | Nickel | 0.102 mg/L | | 0.1 mg/L | 102% | 85-115% | 2.0% | 0-20% | |
| | Selenium | 0.1063 mg/L | | 0.1 mg/L | 106% | 85-115% | 6.7% | 0-20% | |
| | Silver | 0.106 mg/L | | 0.1 mg/L | 106% | 85-115% | 1.0% | 0-20% | |
| | Zinc | 0.099 mg/L | | 0.1 mg/L | 99% | 85-115% | 2.0% | 0-20% | |
| MS | Arsenic | 0.543 mg/L | ND | 0.5 mg/L | 109% | 80-120% | | | |
| | Barium | 0.556 mg/L | 0.051 mg/L | 0.5 mg/L | 101% | 80-120% | | | |
| | Cadmium | 0.5336 mg/L | ND | 0.5 mg/L | 107% | 80-120% | | | |
| | Chromium | 0.539 mg/L | ND | 0.5 mg/L | 108% | 80-120% | | | |
| | Copper | 0.5214 mg/L | 0.017 mg/L | 0.5 mg/L | 101% | 80-120% | | | |
| | Iron | 52.4 mg/L | 0.046 mg/L | 50.5 mg/L | 104% | 80-120% | | | |
| | Lead | 0.522 mg/L | ND | 0.5 mg/L | 104% | 80-120% | | | |
| | Manganese | 0.554 mg/L | 0.02 mg/L | 0.5 mg/L | 107% | 80-120% | | | |
| | Nickel | 0.525 mg/L | ND | 0.5 mg/L | 105% | 80-120% | | | |
| | Selenium | 0.5149 mg/L | ND | 0.5 mg/L | 103% | 80-120% | | | |
| | Silver | 0.516 mg/L | ND | 0.5 mg/L | 103% | 80-120% | | | |
| | Zinc | 0.514 mg/L | 0.01 mg/L | 0.5 mg/L | 101% | 80-120% | | | |
| MSD | Arsenic | 0.547 mg/L | ND | 0.5 mg/L | 109% | 80-120% | 0.7% | 0-20% | |
| | Barium | 0.559 mg/L | 0.051 mg/L | 0.5 mg/L | 102% | 80-120% | 0.5% | 0-20% | |
| | Cadmium | 0.5424 mg/L | ND | 0.5 mg/L | 109% | 80-120% | 1.6% | 0-20% | |
| | Chromium | 0.537 mg/L | ND | 0.5 mg/L | 107% | 80-120% | 0.4% | 0-20% | |
| | Copper | 0.5280 mg/L | 0.017 mg/L | 0.5 mg/L | 102% | 80-120% | 1.3% | 0-20% | |
| | Iron | 52.6 mg/L | 0.046 mg/L | 50.5 mg/L | 104% | 80-120% | 0.4% | 0-20% | |
| | Lead | 0.519 mg/L | ND | 0.5 mg/L | 104% | 80-120% | 0.6% | 0-20% | |
| | Manganese | 0.537 mg/L | 0.02 mg/L | 0.5 mg/L | 103% | 80-120% | 3.1% | 0-20% | |
| | Nickel | 0.533 mg/L | ND | 0.5 mg/L | 107% | 80-120% | 1.5% | 0-20% | |
| | Selenium | 0.5269 mg/L | ND | 0.5 mg/L | 105% | 80-120% | 2.3% | 0-20% | |
| | Silver | 0.511 mg/L | ND | 0.5 mg/L | 102% | 80-120% | 1.0% | 0-20% | |
| | Zinc | 0.520 mg/L | 0.01 mg/L | 0.5 mg/L | 102% | 80-120% | 1.2% | 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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Oxidor Laboratories, LLC 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 Fri
Eduardo Salazar

Sample Preservation Verification

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

Receipt temp: **3.5 °C on Ice**

Receipt method: **Customer Courier**

Custody seal intact: **Yes**

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

Customer Sample ID: **FD070821-001**

Collected By: **Eduardo Salazar**

Oxidor Sample ID: **21070206-001**

Collector Affiliation: **City of Frisco**

Collected: **07/08/21 12:30**

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: **FD070821-002**

Collected By: **Eduardo Salazar**

Oxidor Sample ID: **21070206-002**

Collector Affiliation: **City of Frisco**

Collected: **07/08/21 12:30**

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: **SO070821-001**

Collected By: **Eduardo Salazar**

Oxidor Sample ID: **21070206-003**

Collector Affiliation: **City of Frisco**

Collected: **07/08/21 12:45**

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: **SO070821-002**

Collected By: **Eduardo Salazar**

Oxidor Sample ID: **21070206-004**

Collector Affiliation: **City of Frisco**

Collected: **07/08/21 12:45**

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: **L070821-001**

Collected By: **Eduardo Salazar**

Oxidor Sample ID: **21070206-005**

Collector Affiliation: **City of Frisco**

Collected: **07/08/21 12:55**

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: **L070821-002**

Collected By: **Eduardo Salazar**

Oxidor Sample ID: **21070206-006**

Collector Affiliation: **City of Frisco**

Collected: **07/08/21 12:55**

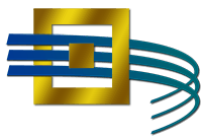
Matrix: **Liquid**

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:

H.Y.



Documentation

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

Frisco Community Development Corporation

6101 Frisco Square Blvd
Frisco, TX 75034
Telephone 972-335-2121
Facsimile 972-377-2707

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 | RESERVATION/ REMARKS/CONTAINERS / ALL SAMPLES COOL ≤ 6° C | INITIALS |
|-----------------------------|----------|----------|----------------|------------------------------------------|-----|------------------|-----------|-----------------------------------------------------------|----------|
| FD070821-001 | 07/08/21 | 12:30 PM | Grab | TDS-TSS | 8.7 | 07/09/21 9:45 AM | | None/1 liter | ES |
| FD070821-002 | 07/08/21 | 12:30 PM | Grab | As,Cd,Cu,Mn, Ni,Ag,Fe,Ba,C r,Pb,Hg,Se,Zn | 8.7 | 07/09/21 9:45 AM | <i>ES</i> | HN03/250ml/plastic | ES |
| SO070821-001 | 07/08/21 | 12:45 PM | Grab | TDS-TSS | 8.1 | 07/09/21 9:45 AM | <i>ES</i> | None/1 liter | ES |
| SO070821-002 | 07/08/21 | 12:45 PM | Grab | As,Cd,Cu,Mn, Ni,Ag,Fe,Ba,C r,Pb,Hg,Se,Zn | 8.1 | 07/09/21 9:45 AM | <i>ES</i> | HN03/250ml/plastic | ES |
| L070821-001 | 07/08/21 | 12:55 PM | Grab | TDS-TSS | 9.6 | 07/09/21 9:45 AM | <i>ES</i> | None/1 liter | ES |
| L070821-002 | 07/08/21 | 12:55 PM | Grab | As,Cd,Cu,Mn, Ni,Ag,Fe,Ba,C r,Pb,Hg,Se,Zn | 9.6 | 07/09/21 9:45 AM | <i>ES</i> | HN03/250ml/plastic | ES |

-001
-002
-003
-004
-005
-006

E-MAIL RESULTS TO Billy.king@mete@gmail.com E.Salazar@friscoexids.gov jmaynor@braunintertec.com

USE WASTE WATER REPORT FORMAT

FIELD INFORMATION: Raw Grab Samples Quarterly

| | | | | | |
|--------------------------------------------------------|----------------|------------------|-------------------------------------------------|----------------|------------------|
| RELINQUISHED BY: (Signature) <i>Eduardo Salazar</i> | DATE 7/9/21 | TIME 9:45 AM | RECEIVED BY: (Signature) <i>Steve Arnold</i> | DATE 7/9/21 | TIME 9:45 AM |
| RELINQUISHED BY: (Signature) <i>Steve Arnold</i> | DATE 7/9/21 | TIME 12:30 PM | RECEIVED BY: (Signature) <i>Steve Arnold</i> | DATE 7/9/21 | TIME 12:30 PM |

OX-105 3.5°C
OX-104

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