



Board of Directors Meeting

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September 26, 2024

9:30 a.m.

Agenda

Board Members

Shelley Heller
Chair

Hon. Frederic N. Smalkin
Secretary

Brendon Baatz
Treasurer

Robert L. Witt, II
Chair, HR Committee

Moalie Jose, P.E.
Chair, Audit Committee

James H. Johnson Jr.,
Ph.D., P.E.

Dereck E. Davis
State Treasurer

Charles C. Glass, Ph.D.,
P.E.
Executive Director

Call to Order	Shelley Heller
Inspire Awards	Hament Patel
Approval of Minutes – August 22, 2024	Shelley Heller
Executive Director’s Report	Charles Glass
BEST FY24 Update – Final	Ellen Frketic
New Business Report	Managing Directors
Financial Update	Hament Patel
• Resolution 2024-09-01R Day after Thanksgiving Holiday	
Human Resources Report	Stephanie Patton
• 2024 Class and Compensation Study Report	
Procurement Items:	Winsome Condra
• Item 1: Electric vehicle (EV) charging stations and infrastructure – Blue Whale EV, LLC	
• Item 2: Brown Station Landfill, flare and gas collection system and control system upgrade design – SCS Engineers	
• Item 3: Sandy Point State Park WTP upgrades – CPP Construction, Inc.	
• Item 4: Prince George’s County OCF, Excavator – Jesco	
• Item 5: Midshore Landfills, yard and wood waste grinding services	
• Item 6: Montgomery County, five Ford F-450 stake body trucks	
• Item 7: ECI Co-Gen boiler fuel conversion – W.M. Schlosser Co, Inc.	
• Item 8: Montgomery County MRF, general labor – Colossal Contractors	
• Item 9: Hart Miller and Poplar Island, aerial application of herbicide – Helicopter Applicators, Inc.	
• Item 10: Dundalk Marine Terminal and Hawkins Point, storm drain inspection and repair – Mobile Dredging & Video Pipe, Inc.	

Procurement Notifications

Legal Report

Sean Coleman

Group Updates

- MEA Solar Landfill Study
- Durable Medical Equipment Re-Use
- Asset Management
- MPA Long-Range Capacity Planning

Sean Kelley
Melissa Filiaggi
Matt Lapinsky
Marni Dolinar

New/Old Business

Shelley Heller

Adjournment

Shelley Heller

BOARD OF DIRECTORS
MARYLAND ENVIRONMENTAL SERVICE
RESOLUTION
24-09-1R

A RESOLUTION

AUTHORIZING THE EXECUTIVE DIRECTOR OF THE MARYLAND ENVIRONMENTAL SERVICE (“SERVICE”) TO CLOSE CERTAIN OFFICES AND FACILITIES OF THE SERVICE ON FRIDAY, NOVEMBER 29, 2024, AND FURTHER AUTHORIZING CERTAIN PAYMENTS TO EMPLOYEES OF THE SERVICE.

R E C I T A L S

WHEREAS, pursuant to §3-103.1(b)(4) of the Natural Resources Article, Annotated Code of Maryland, the Service may determine the terms of employment of its employees, including compensation, benefits, holiday schedules, and leave policies; and

WHEREAS, the employees of the Service are dedicated, resourceful and hard-working; and

WHEREAS, by law, the offices of most State agencies will be closed on Friday, November 29, 2024.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE MARYLAND ENVIRONMENTAL SERVICE THAT:

- 1.** The Executive Director may close the offices and facilities of the Service on Friday, November 29, 2024, except for those offices and facilities which the Service is obligated by law or agreement to operate and have open for business on that day.
- 2.** All employees of the Service shall be granted paid leave on Friday, November 29, 2024, in the same manner as if that day were a Holiday under COMAR 14.27.02.15.A.

Resolution No. 24-09-1R
Authorization to Close MES Offices on 11/29/24
Page 2

ADOPTED, this 26th day of September 2024.

SEAL

MARYLAND ENVIRONMENTAL SERVICE

BY: _____
SHELLEY HELLER
CHAIR

BY: _____
HONORABLE FREDERIC N. SMALKIN
SECRETARY

Approval after Solicitation
PROCUREMENTS, CONTRACTS, PURCHASE ORDERS,
AMENDMENTS, AND CHANGE ORDERS
FOR
BOARD OF DIRECTORS' APPROVAL

September 26, 2024

Item: 1

Type: Construction over \$200,000

Group & Division: Administrative
Fleet

MES Contract Number: 1-24-1-09-8

Project Name: Electric Vehicle Charging Station Infrastructure at MES
Headquarters

Title/Description: Electrical vehicle chargers and new electrical infrastructure to
provide power to the chargers

Procurement Method: Requests for Proposals

Bids/Proposals:

Outdoor Concepts LLC	\$449,942.00
Master Craft Electrical Service LLC	\$498,960.00
Blue Whale EV, LLC	\$532,757.35
Union Electric	\$605,800.00
ezVOLTz.com	\$670,025.00
Dvorak, LLC	\$777,000.00
Rich Moe Enterprises	\$794,554.00
Prime Partners Engineering LLC	\$911,364.15
Verdek LLC	\$1,132,805.00
EO Charging US, Inc.	\$1,193,680.00
Smart Energy Water	\$7,146,618.00

Awarded To: Blue Whale EV, LLC

Amount: \$540,512.58

Term: 18 months from NTP – February 16, 2026

Client/Fund Source: MES Overhead Funds

MBE Goal: 14%

Remarks: This is a design / build project for a new electric vehicle (EV) charging system with six dual-port charging stations that can provide charging for up to 12 EVs. The new electrical infrastructure that will provide electrical power to these new chargers is planned to be sized to support future expansion to an additional 19 dual-port charging stations for a total future capacity to support charging for up to 50 EVs. One of the initial dual-port charging stations will be a direct current fast charger, capable of charging a Ford F-150 Lightning in as little as 20 minutes (from about 20% to 80% battery capacity).

MES is working towards electrification of our fleet of on-road vehicles by installing EV charging stations at our headquarters building. MES' headquarters EV fleet currently includes a Chevy Bolt, Ford Mustang Mach-E, and Ford F-150 Lightning. This project is in support of Maryland's Climate Solutions Now Act to achieve net-zero greenhouse gas emissions by 2045.

The award amount is greater than the proposal amount due to inclusion of the proposal options which extend the maintenance and repair service and contract warranty by 1 year for a total of 3 years.



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September 26, 2024

Item: 2

Type: A/E Services over \$200,000

Group & Division: Environmental Operations

MES Contract Number: To be assigned

Project Name: Brown Station Road Sanitary Landfill (BSRSL) Flare and Gas Collection and Control System (GCCS) Upgrade Design

Title/Description: Design, permit, and bid support for upgrades to the existing GCCS at BSRSL to meet new regulatory requirements

Procurement Method: A/E shortlist

Bids/Proposals: N/A

Awarded To: Stearns, Conrad & Schmidt Consulting Engineers, Inc. (SCS Engineers)

Amount: \$420,000

Term: September 26, 2024 – February 28, 2026

Client/Fund Source: Prince George's Co/Contract Management Services (IGA 2-21-4-53)

MBE Goal: 20%

Remarks: Effective June 12, 2023, the Maryland Department of the Environment (MDE) published its final regulation addressing the control of landfill gas (LFG) methane emissions from municipal solid waste (MSW) landfills in the state (COMAR 26.11.42). The existing GCCS at BSRSL was not originally designed to meet the requirements of the new regulation. In November 2023, MDE approved a compliance plan for BSRSL, which includes upgrades to the existing GCCS to conform with the requirements of COMAR 26.11.42.

Per the approved compliance plan, the AE will design upgrades, obtain permits and create bid ready construction drawings for the existing GCCS. Expected upgrades include installation of additional landfill gas collection wells and piping, new or updated gas destruction flare units, and upgrades to ancillary equipment for the gas moving system. Design and permitting must be

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Item: 3

Type: Construction over \$200,000

Group & Division: Water/Wastewater Engineering Division

MES Contract Number: 1-25-2-01-5

Project Name: Sandy Point State Park – Water Treatment Plant Upgrades and Water Tower Replacement

Title/Description: Upgrades to the water treatment facility at Sandy Point State Park and Replacement of the Existing Water Tower

Procurement Method: Competitive Sealed Bid

Bids/Proposals:

CPP Construction, Inc.	\$6,434,000
HRI LLC aka M2Construction in MD	\$6,694,640
Bearing Construction, Inc.	\$8,494,612

Awarded To: CPP Construction, Inc.

Amount: \$6,434,000

Term: 470 calendar days

Client/Fund Source: Natural Resources Development Fund (NRDF) of FY 16, 22, 24, 25/Program Open Space (POS)

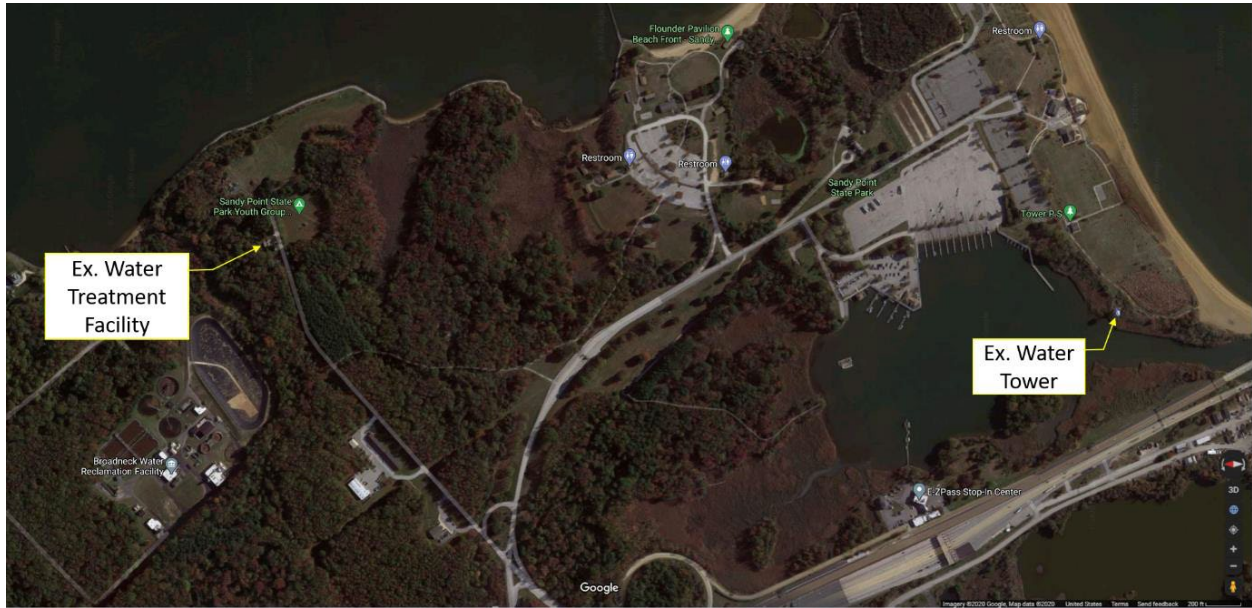
Appropriation Code: Outdoor Recreation Land Loan (PCA 12214; \$149,352.74)
Program Open Space/ Item 004 (PCA 12260; \$4,318,473.00)
Critical Maintenance Fund FY 2016 Program Open Space/Item 009 - (PCA 12275; \$165,936.00)
Program Open Space/ Item 004 (PCA 12280; \$1,800,238.26)

MBE Goal: 12%

Remarks: The Water Treatment Plant, which was constructed over 50 years ago, needs important upgrades because the current treatment system has reached the end of its expected life. The project will replace the aging iron removal system and the existing elevated water storage

tank, which is standing on a deteriorated foundation. A new water treatment plant and a 120,000-gallon elevated water storage will be constructed under this project. Included in the project are new ion exchange pressure filters, new electrical and control systems, new chemical feed systems, a new lab area, new finished water tank, and high lift pumps to pump potable water to the water tower and distribution system. The building will receive new windows and doors, new HVAC units, and several cosmetic upgrades.

The project was advertised on both eMaryland Marketplace and the MES Bonfire website. Emails were sent to 10 general contractors on the MES bidder's list. Four companies requested bid packages, 4 expressed the intention to bid, 4 actively participated in the pre-bid meeting, and 4 visited the site.



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Item: 4

Type: Equipment purchase over \$200,000

Group & Division: Environmental Operations

MES Contract Number: TBD

Project Name: Prince George's County Organics Composting Facility

Title/Description: Purchase of a John Deere 200 G Excavator

Procurement Method: Intergovernmental Cooperative Purchasing Program (Sourcewell)
Sourcewell Contract #032119- JDC, MES Sourcewell ID No. 5305

Bids/Proposals: Jesco - \$281,015

Awarded To: Jesco

Amount: \$281,015

Term: One-time purchase

Client/Fund Source: Prince George's County / 2548-1700

MBE Goal: 0%

Remarks: This unit is necessary for processing large wood waste and clearing the stormwater pond forebay.



Pre-Solicitation Approval
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September 26, 2024

Item: 5

Type: Services over \$200,000

Group & Division: Environmental Operations

MES Procurement #: 1-25-4-22-5

Project Name: Brush Grinding Service at Midshore I and Midshore II

Title/Description: Grinding services for yard waste and wood waste

Procurement Method: Competitive Sealed Bid

Advertising Date: 9/4/2024

Estimate: \$318,000

Client/Fund Source: Midshore Enterprise Fund

MBE Goal: 0%

Remarks: The Midshore II Landfill receives approximately 5,500 tons per year of yard and natural wood waste, the majority of which comes from the Midshore I Transfer Station. Mixed wood and yard waste accepted at the Midshore II Landfill is required by permit to be ground within 180 days receipt. This procurement seeks to outsource the grinding of these materials to maintain compliance with the facility's Waste Disposal Permit.

The MDOT registry shows there are no MBE firms available to perform this type of work. Furthermore, this is a single scope project where the prime contractor would self-perform all elements related to grinding, as well as transportation of the equipment.



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Item: 6

Type: Vehicle Purchase over \$200,000

Group & Division: Finance

MES Contract Number: TBA

Project Name: Equipment Fund - Fleet vehicles

Title/Description: (6) FORD F-450 STAKE BODY

Procurement Method: Cooperative Contract (Baltimore County contract # B-4504)

Bids/Proposals: NA

Awarded To: Apple Ford

Amount: \$510,053.40

Term: Within FY25

Client/Fund Source: Montgomery County / Equipment Fund

MBE Goal: 0%

Remarks: Montgomery County requested replacement vehicles, to be purchased by the Equipment Fund to Montgomery County. The delivery date is estimated to be 5 months.



Change Order approval
PROCUREMENTS, CONTRACTS, PURCHASE ORDERS,
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FOR
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September 26, 2024

Item: 7

Type: Construction over \$200,000

Group & Division: Environmental Operations

MES Contract Number: 1-22-4-07-5R

Project Name: ECI Cogeneration Plant Boiler Fuel Conversion

Title/Description: Installation of equipment and extension of utility equipment rentals

Original Procurement Method: Competitive Sealed Bid

Contractor: W.M. Schlosser Co., Inc.

Original Term: 190 calendar days from NTP – November 19, 2022

Modified Term: 92 additional calendar days – November 30, 2024

Original Amount: \$9,895,000 (BOD Item 10, 3/31/2022; *BPW Item 12, 5/11/2022*)

Modifications to Date: CO #1: \$0; 228 additional calendar days – July 5, 2023
CO #2: \$3,266,468.77; 141 additional days – November 23, 2023
(BOD Item 5, 3/30/2023; *BPW Item 16, 5/3/2023*)
CO #3: \$25,799.53; 0 additional days – November 23, 2023
CO #4: \$1,545,862.00; 281 additional days – August 30, 2024
(BOD Item 3, 3/28/2024)
CO #5: \$208,653.00; 0 additional days – August 30, 2024 (BOD
Item 4, 3/28/2024; *BPW Item 12, 4/17/2024*)

Amount of this Change Order #6: \$472,500.00

Revised Total Contract Amount: \$15,414,283.30

Client/Fund Source: ECI Co-Gen Operating Budget \$340,091.00
DGS Deficiency Funding \$192,409.00

MBE Participation: Goal: 17%; Participation to date: 19.35%

Remarks:

WMS has converted the fuel source for both existing high-pressure boilers from wood chips and No. 2 fuel oil to natural gas and No. 2 fuel oil. At the culmination of their construction efforts, which included modifications to the internal boiler configuration and boiler room, the boiler’s original equipment manufacturer (OEM) began start-up testing of the newly installed burners. They found that the induced draft (ID) fan created airflow and draft conditions inside the modified boiler that could not be controlled to allow reliable and repeatable light-off conditions. Following troubleshooting and testing, the OEM and MES’ engineering consultant determined that the ID fan must be replaced to finish the start-up testing and advance to full commissioning of the burner. As a result, MES procured two new ID fans under a separate contract.

The monetary value of this change consists mostly of the installation of the new ID fans and extension of rentals. A rental boiler and pair of rental diesel generators are temporarily serving the critical functions of the ECI Cogeneration Plant for the Institution’s kitchen, hot water, and electric power backup source needs. The current rental period of the temporary boiler and generators ends September 22 and September 24, respectively. This rental equipment must stay on site for the duration of this work, which is projected to carry through November 2024. Accordingly, this change order extends the rental period by 8 weeks to November 17 and November 19, 2024. Additionally, this change order includes installation of an outdoor access ladder, the function of which was included in the base demolition scope, and a cost credit to MES for unused electrical materials.

Due to the specialized nature of the rental utility equipment, there are limited MBE subcontracting opportunities for this change order.



ID Fan for Boiler #2

Change Order Approval
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September 26, 2024

Item: 8

Type: Services over \$200,000

Group & Division: Environmental Operations

MES Contract Number: 1-22-4-13-5

Project Name: Montgomery County Recycling Center – General & Skilled Labor Services

Title/Description: Provide labor to the Montgomery County Recycling Center in Derwood, MD – additional funds for additional services

Original Procurement Method: Competitive Sealed Bid

Contractor: Colossal Contractors, Inc.

Original Term: 11/30/2021-11/30/2022 (12 months with an option to renew for four additional one-year terms).

Modified Term: 01/01/2024-12/31/2024 (Second of four additional one-year renewals).

Original Amount: \$2,335,185.60 (BOD Item 3, 8/26/2021 pre-approved for \$2.752.000)

Modifications to Date: Renewal #1 \$2,488,328.80 (BOD Item 3, 12/5/2022)
(First of four additional one-year renewals)
Renewal #2 \$2,640,080.40 (BOD Item 2, 7/17/2023)
(Second of four additional one-year renewals)

Amount of this Change Order #1: \$1,651,431.98

Revised Total Contract Amount: \$9,115,026.78

Client/Fund Source: Montgomery County Materials Recycling Facility (MCMRF) IGA No. 2-16-4-69.
FY2024 Operating Budget: 2553-1200 & 2553-0517

MBE Participation: Goal: 30%; participation to date: 43.5%

Remarks:

This increase will allow MES to continue to provide general labor services through the contract term and provide additional general labor services to the Montgomery County DEP at the Montgomery County Transfer Station. Montgomery County has requested increased service in locations around the Montgomery County Transfer Station. These include temporary scale traffic control assistance and monitoring durable medical equipment resident drop-off.

Change Order Approval
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Item: 9

Type: Services over \$200,000

Group & Division: Environmental Dredging and Restoration

MES Contract Number: 1-23-5-08-5

Project Name: Hart-Miller Island and Poplar Island Aerial Application of Herbicide

Title/Description: Aerial Application of Herbicide

Original Procurement Method: Competitive Sealed Bid

Contractor: Helicopter Applicators, Inc.

Original Term: 1 year - November 9, 2022 – November 9, 2023

Modified Term: Option Year 1 – November 9, 2023 – November 9, 2024
Option Year 2 – November 9, 2024 – November 9, 2025

Original Amount: \$83,586.00

Modifications to Date: Renewal #1: Option Year 1 – 11/9/23 – 11/9/24 (\$86,094.00)

Amount of this Renewal 2: \$88,674.00

Revised Total Contract Amount: \$258,354.00

Client/Fund Source: Maryland Port Administration, Hart-Miller Island FY25
Operations and Maintenance Budget and Poplar Island FY25
Operations and Maintenance Budget

MBE Participation: 0%

Remarks: Utilize Option year 2 with an increase to provide aerial application of an approved wetland-safe glyphosate herbicide to control the invasive reed *Phragmites australis* on HMI and its adjacent marshes, and on Poplar Island.

Estimates of Phragmites Coverage at HMI and Poplar



Change Order Approval
PROCUREMENTS, CONTRACTS, PURCHASE ORDERS,
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FOR
BOARD OF DIRECTORS' APPROVAL

September 26, 2024

Item: 10

Type: Services over \$200,000

Group & Division: Environmental Dredging & Restoration

MES Contract Number: 1-21-3-10-5

Project Name: Line Cleaning, Inspection, and Repair at Dundalk Marine Terminal and Hawkins Point Landfill

Title/Description: To provide rental equipment and services for storm drain cleaning, inspection and repair, and laser profile scanning

Original Procurement Method: Competitive Sealed Bid

Contractor: Mobile Dredging and Video Pipe, Inc.

Original Term: 11/4/2020-11/4/2023, three years beginning from date of notice to proceed, and option to renew for two additional years

Modified Term: 11/4/2025 (Second 1-year option)

Original Amount: \$744,600 (BOD Item 3, 10/22/20)

Modifications to Date: Renewal 1 - \$190,045

Amount of this Renewal 2: \$275,000

Revised Total Contract Amount: \$1,209,645

Client/Fund Source: Maryland Port Administration – Dundalk Marine Terminal MOU (96-03-01) and Hawkins Point Landfill (95-03-55). Honeywell – Hawkins Point Landfill (83-03-47)

MBE Participation: 6%; Participation to date 4.88%

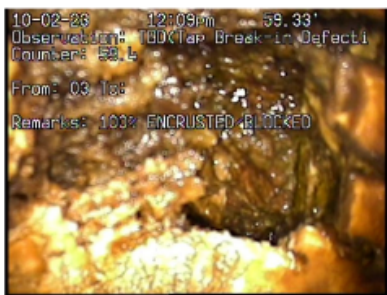
Remarks: Specialized services for FY25 include 3D laser profile scans of select segments of DMT storm drains to meet consent decree requirements.



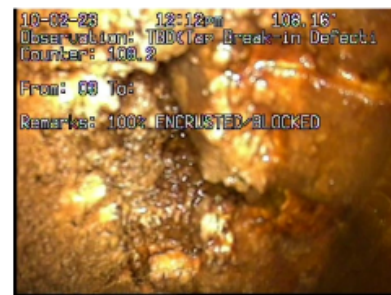
CCTV pictures of 111-110 for MARYLAND ENVIRONMENTAL SERVICES

Work Order	Video PROTEU	Surveyed On 2023/10/02	Direction Downstream	Setup 4
Street Name M.P.A. SIDE OF LANDFILL	City Name BALTIMORE	Weather Dry		
Location Easement/Right of Way	From Manhole MH-111	To Manhole MH-110		

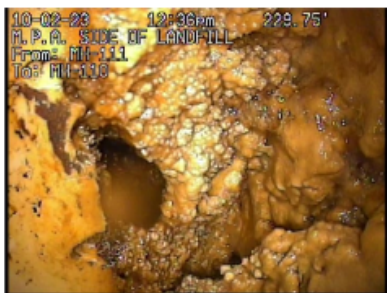
Date: 2023/10/02
Distance: 59.4 Ft
Obs: Tap Break-in Defective
Comments:
 100% ENCRUSTED/BLOCKED



Date: 2023/10/02
Distance: 108.2 Ft
Obs: Tap Break-in Defective
Comments:
 100% ENCRUSTED/BLOCKED



Date: 2023/10/02
Distance: 229.8 Ft
Obs: Tap Break-in Defective
Comments:
 100% ENCRUSTED/BLOCKED



Calcification blockage on leachate system lines at closed Hawkins Point Landfill.