

COMPREHENSIVE SERVICES GUIDE ———

MARYLAND ENVIRONMENTAL SERVICE

**ENVIRONMENTAL
SOLUTIONS
FOR A BETTER
TOMORROW**



COMPREHENSIVE SERVICES GUIDE

TABLE OF CONTENTS

■ P. 02

INTRODUCTION TO THE
MARYLAND ENVIRONMENTAL SERVICE

■ P. 04

ENVIRONMENTAL DREDGING & RESTORATION

■ P. 08

ENVIRONMENTAL OPERATIONS

■ P. 12

WATER & WASTEWATER

■ P. 16

TECHNICAL & ENVIRONMENTAL SERVICES

■ P. 20

GRANT SERVICES





MARYLAND
ENVIRONMENTAL
SERVICE

259



THE MARYLAND ENVIRONMENTAL SERVICE ■



Maryland Environmental Service (MES) was established by the General Assembly in 1970 to assist with the preservation, improvement, and management of the quality of the air, land, water, and natural resources, and to promote the health and welfare of the citizens of the state. Today, the agency employs 800 staff members and operates over 1,000 environmental projects across Maryland and the Mid-Atlantic region. As a not-for-profit state agency, MES can operate a little like a private business, streamlining and assisting with permitting processes, procurement, and responding quickly to our clients' needs. The agency partners with municipalities, counties, the state, and sometimes the private sector to solve immediate issues, like those at an aging water/wastewater plant, or to meet long-term goals like zero-waste initiatives.

A description of each of the MES operating groups, along with detailed lists of their services, are provided on the following pages. These groups—Environmental Dredging and Restoration, Environmental Operations, Water and Wastewater Services, and Technical and Environmental Services—offer comprehensive solutions for a wide range of environmental needs.

MES is committed to delivering sustainable, innovative, and efficient results tailored to your project goals. We look forward to the opportunity to collaborate and support your projects with our expertise and dedication.

A handwritten signature in black ink, appearing to read "Charles Star".



MISSION

TO PROVIDE OPERATIONAL AND TECHNICAL SERVICES TO PROTECT AND ENHANCE THE ENVIRONMENT FOR THE BENEFIT OF THE PEOPLE OF MARYLAND.

VISION

MARYLAND ENVIRONMENTAL SERVICE IS AN INNOVATIVE AND LEADING-EDGE SOLVER OF ENVIRONMENTAL PROBLEMS;
A RESPONSIBLE AND SUCCESSFUL MANAGER OF ENVIRONMENTAL OPERATIONS;
AND A GREAT PLACE TO WORK.



Cox Creek DMCF

ENVIRONMENTAL **DREDGING & RESTORATION** ■

The Environmental Dredging and Restoration Group (EDR) provides operational and technical services in the areas of dredged material management, habitat restoration, hazardous materials management, environmental management systems and compliance, permitting and mitigation services, and wetland and forest services. The group supports clients with planning, engineering, construction, environmental and regulatory management, and operations.

As part of the Maryland Port Administration's Dredged Material Management Program, EDR

operates three dredged material containment facilities (DMCFs) and the Paul S. Sarbanes Ecosystem Restoration Project at Poplar Island (Poplar Island) and the Mid-Chesapeake Bay Island Ecosystem Restoration Project (Mid-Bay). This work helps keep Maryland's shipping channels open, by removing sediment buildup and reusing it to create beneficial habitat.

This same service can help local municipalities and county governments manage lakes and ponds through smaller-scale dredging operations, including innovative and beneficial reuse project components. These efforts are especially critical when the local water supply is affected.



Environmental Restoration



Sediment Monitoring



Drone Surveying



Dredging Equipment at Poplar Island



Education and Outreach at Masonville Cove

ENVIRONMENTAL **DREDGING & RESTORATION** ■

ENVIRONMENTAL DREDGING AND RESTORATION SERVICES

- Design, Construction, and Contract Management
- Dredged Material Innovative Reuse
- Education and Community Outreach
- Engineering and Technical Support for Dredging Operations
- Environmental Management Systems and Remediation
- Environmental Restoration
- Hazardous Materials Management
- Innovative and Beneficial Use of Dredged Material
- Lake, Pond, and River Dredging
- Mitigation Planning, Implementation, and Monitoring
- Permitting, Regulatory Agency Coordination, and Compliance
- Site Operations and Maintenance
- Survey and Drone Services



Dredging Equipment at Lake Linganore



ENVIRONMENTAL OPERATIONS

The MES Environmental Operations (EO) Group serves counties, large municipalities, and rural communities that need creative solutions for solid waste challenges and recycling services. The group is a leading provider of solid waste management services for millions of Marylanders, including award-winning recycling centers, composting facilities, landfills, and landfill gas facilities. The composting facilities transform yard, leaf, and food waste into the highly sought-after products Leafgro® and Leafgro Gold®.

EO's solid waste operations focus on source reduction, reusing and recycling, and composting to reduce the volume of materials sent to landfills or incineration. The group offers engineering, construction, and operations of large-scale, diversified, innovative, and integrated solid waste management. MES operates solid waste projects, including landfill operations for Harford County and four counties in the middle of the Eastern Shore (Caroline, Kent, Queen Anne's, and Talbot). The group also operates materials recovery facilities (MRFs) and composting facilities in Montgomery and Prince George's Counties, along with a Durable Medical Equipment Reuse Program that provides Marylanders access to critical medical equipment at no cost, regardless of age, income, or location, with priority given to the needy and elderly populations.





Leafgro®



Landfill Cell Construction

ENVIRONMENTAL OPERATIONS SERVICES

- Design, Construction, and Operation of Dual-Stream and Single-Stream Recycling Facilities
- Design, Construction, and Operation of Landfills, Transfer Facilities, and Composting Facilities
- Environmental Monitoring (Landfill Gas and Groundwater)
- Homeowner Drop-Off Locations
- Recyclables Marketing
- Scrap Tire Cleanup
- Used Oil and Antifreeze Recycling and CFC Recovery



Operations at the Midshore II Regional Landfill



Cleaning Durable Medical Equipment for Reuse



ENVIRONMENTAL OPERATIONS ■





Frostburg Water Treatment Plant

WATER & ■ **WASTEWATER**

The MES Water/Wastewater (WWW) Group manages the full life cycle of water and wastewater projects, encompassing design, construction, operation, and maintenance of treatment facilities. This includes work on municipal, county, and privately-owned plants. Additionally, the group oversees state-owned facilities such as those at correctional and health institutions, rest areas, and state parks, and provides services to rural areas lacking access to public water and sewer systems. The group also works on facility retrofits and continually focuses on methods to increase efficiencies.

The Engineering Division within the group manages the planning, design, and construction of capital improvement projects and other public works projects. The division helps clients identify their water and wastewater requirements, guides them in choosing the appropriate facility size, technology, and equipment, drafts specifications, and supervises the construction of new plants.

The biosolids staff works to ensure environmentally acceptable, dependable, and cost-effective methods are used to manage the solid material generated by the agency's numerous wastewater treatment plants.



Rocky Gap Water Treatment Facility



Dorsey Run Wastewater Treatment Facility

Freedom Wastewater Treatment Facility



WATER & ■ WASTEWATER

WATER & WASTEWATER SERVICES

- Biosolids Management
- Capital Improvement Planning
- Construction Inspections
- Engineering, Design, and Construction
- Facility and Operations Consultation, Studies, Assessments, Evaluations, Surveys
- Operations and Maintenance
- Operator in Training Program
- Project Management
- Sampling and Laboratory Testing
- Water Tower Inspection and Painting

Construction at Freedom Wastewater Treatment Facility





TECHNICAL & ■ **ENVIRONMENTAL SERVICES**



Stormwater Retention Pond

Waste Glycol Collection at BWI



The Technical and Environmental Services (TES) Group provides multi-disciplinary environmental services on behalf of our clients in areas such as stormwater, renewable energy, engineering, regulatory permit application, reporting and compliance, environmental system operation and maintenance, and data management using geographic information systems (GIS) and program development.

TES provides environmental support for multiple and diverse environmental efforts at the Baltimore Washington International Thurgood Marshall Airport (BWI) including collecting, monitoring, and partially recycling deicing fluid in an environmentally safe manner. TES provides engineering and third-party construction inspection for stormwater runoff pollution, in addition to services related to rapid response and remediation for stormwater emergencies impacting state-managed roadways.

TES has a talented workforce of environmental engineers, scientists, and regulatory experts in addition to licensed and qualified mechanics and electricians who provide maintenance to water and wastewater treatment facilities statewide. TES further has uniquely qualified staff working in areas of emergency environmental management and renewable energy projects throughout Maryland.

Crosswalk Assessments (GIS)





Stormwater Repair

TECHNICAL & ■ ENVIRONMENTAL SERVICES

TECHNICAL AND ENVIRONMENTAL SERVICES

- Emergency Environmental Site Assessment and Remediation
- Environmental Permit Application Development
- Environmental System Installation, Maintenance, and Repair
- Geographical Information Systems and Environmental Software Program Development
- Green Energy Development Support
- Sampling, Reporting, and Analytical Laboratory Services
- Stormwater System Engineering, Inspection, and Reporting



Archaeological Dig

Solar Energy Project



GRANT SERVICES ■

MES is fully equipped and committed to assisting state agencies, county governments, local municipalities, non-profits, community-based organizations, and higher education institutions in their endeavors to secure funding for environmental projects.

Whether the goal is to address pressing environmental challenges, develop sustainable infrastructure, enhance natural resource management, or support conservation efforts, MES provides expert guidance and resources throughout the application process.

By leveraging its extensive experience and technical expertise, MES aims to help these entities identify appropriate funding opportunities, prepare compelling grant applications, and navigate the complexities of securing financial support for initiatives that protect and enhance the environment.

GRANT SERVICES

- Grant Discovery and Application
- Stakeholder Coordination
- Community Outreach
- Grant Program Tracking and Data Management
- Technical Review
- Operational Logistics





259 NAJOLES RD, MILLERSVILLE, MD 21108
PHONE: (410) 729-8200
WWW.MENV.COM

COMPREHENSIVE SERVICES GUIDE 2025
