

Scope of Services: Tuesday, July 7th 9:30AM-10:00AM TEAMS Meeting

Ecological Resources/Waterway Permits/Regulated Materials Review

Scope of Services

The scope under the subject contract shall involve, but not limited to, the following services:

- Ecological Literature Search, including mapping
- All levels of Ecological Survey Report
- Biological Assessments
- Endangered Species Surveys and Reporting
- Mussel Recons, Surveys, and Relocation based on the Ohio Mussel Survey Protocols.
- Preparation of Permit Determination Requests, U.S. Army Corps of Engineers' Section 404 Pre-Construction Notifications and Individual Permit Applications, Ohio EPA Section 401 Individual Water Quality Certification Applications, Ohio EPA Director's Authorization Requests, Ohio EPA's Isolated Wetland Permit Applications, and U.S. Coast Guard Section 9 Bridge Permit Applications.
- Preparation of waterway permit modification requests and information and materials to address waterway permit non-compliance or violations.
- Performance of Ohio EPA's Rapid Assessment Method (ORAM) for Wetlands.
- Performance of Ohio EPA's Qualitative Habitat Evaluation Index (QHEI) & Headwater Habitat Evaluation Index (HHEI and HMFHEI Headwater Macroinvertebrate Field Evaluation Index) on Streams.
- Collection of data and performance of Ohio EPA's Index of Biotic Integrity (IBI), Invertebrate Community Index (ICI) on Streams, Amphibian Index of Biotic Integrity (AmphIBI), Vegetative Index of Biotic Integrity (VIBI) on wetlands.
- Performance of stream and wetland assessment/scoring according to current and future OEPA and/or USACE requirements.
- Performance of stream, wetland, and endangered species habitat monitoring (in accordance with USACE and OEPA's requirements).
- Performance of stream and wetland debit and credit calculations according to current required mitigation standards.

- Stream and wetland mitigation work (per the USACE Mitigation Guidelines Checklist for the State of Ohio):
 - Conceptual mitigation plan, including preliminary design.
 - Final mitigation plan, including construction plans for mitigation.
 - Construction monitoring for mitigation.
 - Monitoring of the constructed mitigation sites.
 - Invasive species control and related adaptive management of mitigation areas.
 - Development of IRT documents and coordination and execution of procedures necessary for the development and approval of single user mitigation banks
- Other ecological studies as assigned
- Property boundary surveys
- Regulated Materials Review Screening
- Regulated Materials Review Assessment
- Regulated Materials Review Investigation
- Development of applications for activities on landfills as per OAC 3745-513
- Geophysical survey
- Environmental inspection during construction
- Bureau of Underground Storage Tank Regulations (BUSTR) Closure, Investigation & Assessment as per OAC 1301-7-9-12 through 17.
- Other Regulated Materials Review studies as assigned
- Air Quality Analysis
- Noise Analysis and Abatement Design
- Environmental Commitment Monitoring
- Development of Environmental Commitment Monitoring Plan
- On-site inspections
- Preparation of Observation Reports
- Camera/drone/remote monitoring of construction sites
- GIS activities, including application, implementation, and analysis of geographic information.
- Manual/Guidance/Training development and updates
- Asbestos Survey, sampling, and reporting
- Remediation design

Materials for the following subjects and other relevant ODOT OES guidance documents:

- ODOT's Project Development Process (PDP) Manual
- Regulated Materials Review (RMR) Manual and Guidance
- NEPA Assignment Categorical Exclusion Guidance
- Public Involvement Manual and Requirements
- Section 4(f) Manual
- Ecological Resources Manual
- Waterway Permits Manual
- Noise Analysis Manual
- ODOT Project Level Air Quality Manual
- All applicable FHWA, USACE, USFWS, USEPA, ODNR, and OEPA Guidance, policies and procedures; and, all other applicable guidelines and Federal and State Regulations and Laws.