COMPREHENSIVE AND THOROUGH

Hart Crowser provides a full range of services—from initial site studies through regulatory permitting, design, and construction. We integrate these services as required by each project. We know what kind of information is important, how to collect it and apply it to the selection of viable solutions, and how actions are perceived by regulatory agencies and the public. Consequently, we design an approach that is practical, cost-effective, and client-oriented.

HART CROWSER IS A 100-PERSON, EMPLOYEE-OWNED CONSULTING FIRM THAT SPECIALIZES IN ENVIRONMENTAL ENGINEERING, GEOTECHNICAL ENGINEERING, AND NATURAL RESOURCES. OUR OFFICES ARE IN SEATTLE AND EDMONDS, WASHINGTON; AND PORTLAND, OREGON.

Property Environmental Site Assessments/Due Diligence
- Historical characterization
- Regulatory review
- Site reconnaissance
- Facility/site audits
- Regulatory compliance
- Waste and cost minimization

Site Assessments
- Asbestos and lead-based paint
- Other hazardous materials

Regulatory Services
- Strategy and interpretation
- Agency representation
- Permitting

Site Investigation and Characterization
- Planning
- Data collection and analysis
- Remedial alternatives

Environmental Litigation Support
- Age dating and source identification
- Cost allocation
- Insurance claim support
- Expert witness testimony

Remedial Investigations
- Regulatory evaluations
- Design of field studies and review of field data
- Contaminant transport and potential exposure calculations

Risk Assessments
- Ecological
- Human Health

Feasibility Studies
- Engineering studies
- Treatability studies
- Cost assessment

Contaminated Sediments
- Sediment quality assessment
- Permitting
- Dredge material disposal, design, and monitoring

Remediation Design and Construction
- Wide range of technologies
- Plans and specifications
- Construction management

Stormwater Management
- NPDES permitting
- Pollutant source control
- Treatment technologies
- Engineering design

Pollution Prevention
- Pollution prevention and HAZMIN plans

Geotechnical Engineering
- Foundation and earthquake engineering
- Slope stabilization
- Landfill liners and covers
- Site improvement and earthwork
- Dewatering
- Combined environmental/ geotechnical approach

Environmental Impact Statements
- Scoping
- Agency coordination
- Technical studies
- Public involvement

Facility Decommissioning/ Closure
- Planning
- Regulatory assessment
- Demolition
- Waste handling/disposal
- Engineering/construction of caps, slurry walls, berms

Natural Resource Management
- Threatened, endangered, and sensitive species
- Habitat enhancement, mitigation, and monitoring
- Watershed analysis
- Stream bank stabilization and channel restoration
- Fisheries biology
- Biological Evaluations

Laboratory Services
- Geotechnical soils testing
- Chemical field screening
- Specialized sediment testing

Groundwater Management
- Development feasibility
- Well design and pumping tests
- Well rehabilitation
- Monitoring well networks
- Wellhead protection

Surface Water
- Water quality assessment
- Lake, stream, and estuary restoration

Solid Waste Management
- Siting
- Liner/cover design
- Leachate control
- Methane mitigation
- Groundwater monitoring