ASI Water Services Presentation:
Mussel Management Partnership Strategies

Industries Served

Power Generation

Construction

Manufacturing

Government

Nuclear

Hydro

Mining

Commercial

Tunnels & Tunneling

SAFETY IS PARAMOUNT

Observational Based Safety

Online interactive program

Vendor qualification consultants

E-learning management

Audits & verification

Employee recognition program

QUALITY SERVICES

Client feedback surveys

Yearly review of Quality Assurance Policy Manual and Standard Operating Procedures

ISO 9001:2008 certified

Corporate quality objectives established annually

Corporate Vendor Qualifications

Avetta
Formerly PICS Auditing

BROWZ
keeping compliance in check

ISN
ISNetworld

ContractorCheck

COMPLYWORKS
Get ready to work.®

COGNIBOX™

ASI Group

MARINE · WATER

ASI Marine

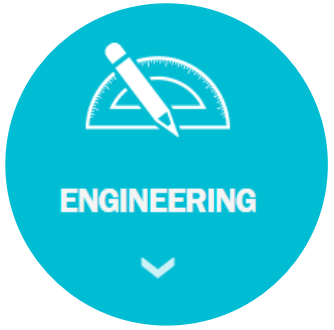
Commercial Diving
ROV Inspections
Marine Geophysical Surveys &
Underwater Mapping
Hyperbaric Intervention for Tunneling Support

ASI Water

Operations
Engineering
Biofouling Monitoring & Control
Laboratory Services

ASI Water Services

ASI Water focuses on developing long term partnerships with clients to establish dynamic, industry tested mussel management services which are designed to match the clients needs on a site specific basis. Our philosophy is to be an integrated part of our clients team providing technical expertise in non-core areas.



ASI Water Services: Mussel Management Strategy

- Assess
- Plan/Formulate Response
- Implement

ASI Water Services: Mussel Management - Assess

- Identify susceptibility to colonization
- Evaluate critical plant processes
- Evaluate current control methods
- Biomonitoring Program

ASI Water Services: Mussel Management – Assess (Biomonitoring)

- spawning period
- infestation rates
- effectiveness of current control strategies
- timing and duration
- frequency

ASI Water Services: Mussel – Formulate Control Strategy

Determine local permitting requirements

Establish treatment area
- Service Water
- Fire Water
- Open Water

Determine control method
- Reactive or Proactive?
- Chlorination
- Potash
- Molluscicides

ASI Water Services: Mussel Management – Implementation

Regulatory authority liaison

- Obtain necessary permits
- Establish compliance parameters based on method.

Treatment

- Mobilization
- Commissioning
- Monitoring
- Bioassay
- Final report

ASI Water Services: Mussel Management - Implementation

By having ASI manage these non-core services, the client is able to benefit from our focused commitment to;

- Up-to-date training
- New client driven service offerings
- New technology, assessment and implementation
- Regulations and compliance
- Health & Safety

ASI Water Services: Mussel Management – Current Client

- ASI has provided client mussel management services since 2008.
- Yearly Biomonitoring from May – December.
- One treatment per reproductive season – Reactive Strategy
- Complete mortality of all test organisms.
- Effective management of the risk.
- Shell debris now rare rather then the norm.

ASI Water Services Mussel Management – Partnership Benefits

- Reduced capital requirements
- Reduced engineering design cost
- Reduced project management
- Reduced chemical costs
- Facilitated access to ASI multi-disciplinary services
- Reduced procurement costs
- Reduced labor requirements
- Elimination of maintenance expense
- Clear Accountability

Strengthening our relationship with Prospective Clients

- Willingness to explore mutual cost efficiencies
- Demonstrated good working relationship with all unions
- Expanded scope of service offerings in non-core areas
- Continue to provide technical consultation
- Continuous improvement of health & safety and quality

Innovation, Customization and Relationships is what differentiates ASI

Thank you for your time

ASI Group
MARINE · WATER