









## **Inspection & Oversight**

- InspectorQualifications
- Authorities
- Critical Items & Processes



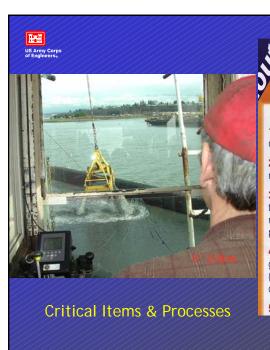


## **Authorities**

The Oversight Official is limited from performing the following activities:

- Shall not authorize any deviation from the project documents.
- Shall not undertake any of the responsibilities of the designer or contracting party.
- Shall not issue directions relative to, or assume control over, any aspect of the means, methods, techniques, sequences, or procedures of design.
- Shall not issue directions regarding, or assume control over, safety precautions and programs in connection with site visits by the designer.
- Shall not accept submittals from anyone other than the contracting party.
- Shall not participate in specialized field or laboratory tests or inspections conducted by others.

From EPA Guidance for Scoping the Remedial Design (Mar 1995)



## Environmental Dredging Tips

The following comments come from lessons learned from more than 10 years of completing environmental dredging projects with Cable Arm Clamshell Buckets.

- 1. Communicate project goals to the entire dredging team, thoroughly explaining differences between environmental and navigational dredging.
- 2. Precision dredging requires a crane in top mechanical condition; precision instrumentation can be wasted on a poorly functioning crane.
- 3. When digging "to grade," remove soft sediment first with a Cable Arm Environmental Clamshell Bucket. For comparability, sample and test sediments using the same methods both before and after dredging. Determine sampling locations and depths precisely, before and after dredging.
- **4.** Use a differential global positioning system, bucket and crane instrumentation, tide gauge, and dredging software (Clamvision) to track bucket location in 3 dimensions (X,Y, & Z) to control excavation. Be sure that your dredging software provides the operator with a current depth and a target depth for each bucket location.
- 5. Provide an accurate predredge survey on a grid dense (3 to 5 ft) enough to provide