# Question & Answer #4

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**PIER 4 PHASE 1 REMOVAL ACTION**
**PROJECT NO. 091452 | CONTRACT NO. 069982**

1. BIDDER QUESTION

As both an EC and CESF/polymer provider we've found that CESF can be more cost effective for sediment removal however it does not remove dissolved contaminants without additional chemical/polymer additions. This additional chemistry can negate the original cost savings and must be managed by an experienced operator less operations get disrupted.

Will the Port specify which chemicals will be allowed as alternates? Will the list be limited to those approved by the Dept. of Ecology for construction? Will this allowed alternate change the Responsibility Detail Form for Contaminated Water Treatment Section 00 45 13?

"The water treatment sub-contractor shall have designed, constructed, and operated a minimum of two (2) temporary water treatment systems, including at least one (1) dredge water return treatment project (Suggestion: [utilizing CESF/Polymer]) and at least one (1) electrocoagulation system."

RESPONSE TO BIDDER QUESTION

The Port will not specify which chemicals will be allowed as alternates as this ultimately will be a decision made by the USEPA (with input from the Department of Ecology) upon review of the Contractor's proposed water treatment system. With regard to modification of the Responsibility Criteria, refer to Amendment #3.