CENWS-OD-TS-DM

MEMORANDUM FOR RECORD 26 February 1999

SUBJECT: DETERMINATION ON THE SUITABILITY OF PROPOSED DREDGED MATERIAL FROM THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION, KINGSTON PASSENGER ONLY FERRY TERMINAL PROJECT (1998-2-02130) EVALUATED UNDER SECTION 404 OF THE CLEAN WATER ACT (CWA) FOR OPEN-WATER DISPOSAL AT THE ELLIOTT BAY DISPOSAL SITE.

1. The following summary reflects the consensus determination of the Agencies' (U.S. Army Corps of Engineers, Department of Ecology, Department of Natural Resources, and the Environmental Protection Agency) with jurisdiction on dredging and disposal on the suitability of the estimated 4,500 cy of material from the proposed passenger only ferry terminal located on the northeast end of Kitsap County, on Bainbridge Island, in Appletree Cove for unconfined open-water disposal at the Elliott Bay disposal site.

2. The project was ranked moderate for testing purposes, and sampling consisted of collecting two vibracore samples on November 23, 1998 by the contractor (PI Engineering) from the proposed dredging footprint (see figure 1) and composited for a single surface dredged material management unit (DMMU) analysis.

3. The Agencies' approved sampling and analysis plan for testing the surface DMMU was followed, and quality assurance/quality control guidelines specified by the Puget Sound Dredged Disposal Analysis Users Manual were generally complied with. The data gathered were deemed sufficient and acceptable for decision making by the DMMP Agencies based on best professional judgment.

4. Table 2 summarizes the sediment conventional parameters for the one composited DMMU analyzed. Chemical analysis of the composited sample indicated that there were no detected or undetected exceedances of screening levels for all 58 chemicals of concern.
5. Relevant dates for regulatory tracking purposes are included in Table 1.

Table 1. Regulatory Tracking Dates

SAP received 11/9/98

SAP Approval date:	November 18, 1998
Sampling date(s):	November 23, 1998
Data report submittal date:	February 2, 1999
Recency Determination Date: Moderate Concern (5-7 years)	November 2004-2006

Table 2. Sediment Conventional Results.

Parameter	Composited DMMU C1
Grain Size:	
% Gravel	0.5
% Sand	91.3
% Silt	5.1
% Clay	3.1
% Fines (clay+silt)	8.2
Total Solids, %	81.6
Volatile Solids, %	1.0
Total Organic Carbon, %	0.17
Total Sulfides, mg/kg	<28
Total Ammonia, mg/kg	1.2

6. The agencies concluded that DMMU C1 passed PSDDA non-dispersive disposal site guidelines for open-water disposal. The 4,500 cy of material is suitable for placement at the Elliott Bay open-water disposal site.

7. This memorandum documents the suitability of proposed dredged sediments from the WA Department of Transportation, Kingston Passenger Only Ferry Terminal for disposal at the Elliott Bay non-dispersive open-water disposal site. However, this suitability determination does not constitute final agency approval of the project. A dredging plan for this project must be completed as part of the final project approval process. A final decision will be made after full consideration of agency input, and after an alternatives analysis is done under Section 404(b)(1) of the Clean Water Act.

Concur:

18 March 1999
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