

15 August 1999

MEMORANDUM FOR RECORD

SUBJECT: DETERMINATION OF THE SUITABILITY OF DREDGED MATERIAL TESTED UNDER DMMP EVALUATION PROCEDURES FOR THE ST. PAUL WATERWAY CONFINED DISPOSAL FACILITY FOR DISPOSAL AT THE COMMENCEMENT BAY OPEN WATER DISPOSAL SITE.

1. The Simpson Tacoma Kraft Company is considering making the St. Paul Waterway available for a nearshore confined disposal facility for disposal of contaminated sediment from Superfund areas within Commencement Bay. As part of this effort, as much as 455,000 cubic yards of dredged material may need to be removed from the waterway. The following summary reflects the DMMP agencies (Corps of Engineers, Department of Ecology, Department of Natural Resources and the Environmental Protection Agency) consensus decision on the acceptability of the sampling plan and all relevant test data to make a determination of suitability for the disposal of the material at a PSDDA open-water disposal site.

2. The initial ranking for this area was "high" based on guidance provided in the Management Plan Report, Phase 11, Page A-10. Preliminary sampling undertaken in 1998 indicated sediment chemistry were well below screening levels. In addition, both EPA and the Washington Department of Ecology have delisted the waterway from any additional clean-up. Based on the data available, the agencies reranked this project low-moderate.

3. A sampling and analysis plan was completed for this project and approved by the PSDDA agencies on 15 December 1998. Sampling for this project was performed on 1-2 March 1999.

SAP Approval Date	15 December 1998
Sampling dates	1-2 March 1999
Data Report submittal date	23 June 1999
Recency determination dates	1 March 2004 - 1 March 2006

4. Based on the likelihood of native sediment through much of the dredge prism, a tiered approach was taken to sampling and chemical testing. Surface samples were taken at five locations, and composited for two analyses (Locations B-1 and B-2 were composited for C-1, Locations, B-3, B-4, and B-5 were composited for C-2). Additional samples were taken at four foot intervals throughout twenty-foot cores, composited, and archived. These samples would be tested if either surface sample exceeded 1998 DMMP guidelines.

were below screening level. No additional testing of the archived samples was required.

6. The chemical analytical data were also compared to the State Sediment Management Standards, including the analysis of chromium. No chemicals exceeded SMS criteria. Based on this information, the DMMP agencies determined that the sediments from the St. Paul Waterway are chemically suitable for use in beneficial uses projects. Sediment conventional data is included in Table 1.

7. In summary, the DMMP-approved sampling and analysis plan was followed, and quality assurance, quality control guidelines specified by the DMMP were followed. The data gathered were deemed sufficient and acceptable for regulatory decision-making under the DMMP program. Based on the results of the chemical testing, the consensus determination of the DMMP agencies is that all 455,000 cubic yards from the St. Paul Waterway are suitable for open-water disposal.

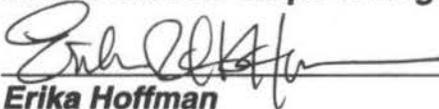
8. This memorandum documents the suitability of proposed dredged sediments for disposal at a PSDDA open water disposal site and for beneficial use. It does not constitute final agency approval of the project. A dredging plan for this project must be completed as part of the final project approval process. A final decision will be made after full consideration of agency and public input, and after an alternatives analysis is done under section 404 (b) 1 of the Clean Water Act.

Concur:

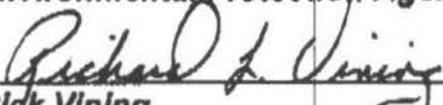
9/24/99
Date


Stephanie Stirling
Seattle District Corps of Engineers

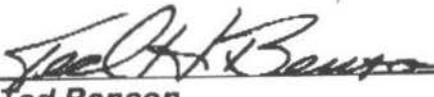
10/7/99
Date


Erika Hoffman
Environmental Protection Agency, Region 10

9/24/99
Date


Rick Vining
Washington Department of Ecology

24SEP99
Date


Ted Benson
WA Department of Natural Resources

Copies Furnished:
EPA/Erika Hoffman
DNR/Ted Benson

DOE/Rick Vining
EPA/Christine Psyk

Table 1. Sediment Conventional Parameters

Parameter	DMMU C-1	DMMU C-2
Total Solids (%)	59.5	39.1
Total Organic Carbon (%)	3.43	7.72
Bulk Ammonia (mg/kg)	25.8	55.1
Total Sulfides (mg/kg)	89.5	358
Grain-size		
Gravel	0	0
sand	37	33
silt	53	52
clay	10	15