

Appendix B
Expert Committee Input to the Dry Cargo
Residue Discharges in the Great Lakes EIS

1 **Expert Committee Input to the Environmental Impact**
2 **Statement in Support of the U.S. Coast Guard Rule**
3 **Making of DCR Discharges in the Great Lakes**

4 A committee comprising experts on the Great Lakes was assembled to conduct a peer
5 review of study methods, results, and interpretation of the dry cargo residue (DCR)
6 scientific investigation. The DCR scientific investigation was conducted to gather the
7 information necessary to support preparation of the Environmental Impact Statement (EIS)
8 for the practice of DCR discharges in the Great Lakes. The expert committee convened two
9 times during the preparation of the EIS as described below.

10 A second committee of experts on invasive mussels in the Great Lakes was convened to
11 obtain expert opinions on the current status of invasive mussels in the Great Lakes, and to
12 provide input on the invasive mussel attachment studies conducted in support of the EIS.
13 This committee convened one time as described below.

14 The information presented during the meetings is included in the body of the EIS and
15 associated Appendices. The input and discussion resulting from the meetings was
16 incorporated in the EIS.

17 **First Expert Committee Meeting**

18 Date and Time: July 2, 2007, 08:30-16:30

19 Location: Office of CH2M HILL, 8501 W. Higgins Road, Suite 300, Chicago, IL 60631-2801

20 Meeting Participants:

21 Dr. Jeffrey Reutter, Ohio Sea Grant College Program, Ohio State University

22 Dr. Bruce Brownawell, Marine Sciences Research Center, Stony Brook University

23 Dr. Gary Matlock, National Centers for Coastal Ocean Service, NOAA

24 Dr. Scudder Mackey, Habitat Solutions

25 Mr. Tom Anderson, American Steamship Company

26 Jamie Maughan/CH2M HILL

27 Tom Dupuis/CH2M HILL

28 Ryan Loveridge/CH2M HILL

29 Agenda:

30 8:30 Introductions

31 8:45 Overview of DCR NEPA/Rule Making Program – CH2M HILL, U.S. Coast Guard

32 9:00 Purpose of Expert Committee – CH2M HILL

33 Share knowledge and references on existing limnological conditions in the Great Lakes

-
- 34 Review methods and results of US Coast Guard sponsored Dry Cargo Residue (DCR)
35 related scientific investigations in the Great Lakes
- 36 Provide comment on methods and advice on data interpretation.
- 37 9:15 Schedule—CH2M HILL
- 38 9:30 Overview of DCR Handling Procedures—Tom Anderson—ASC
- 39 10:00 Scientific Investigation Approach—CH2M HILL
- 40 10:45 Fall 2006 Investigation—Sweepings Characterization—CH2M HILL
- 41 Chemical
- 42 Toxicological
- 43 Nutrient
- 44 11:30 Fall 2006 Investigation—Historic Deposition—Dr. Scudder Mackey—Habitat
45 Solutions
- 46 Historic Patterns
- 47 Lake Bottom Mapping
- 48 12:00 Lunch
- 49 13:00 Spring 2007 Investigation Approach & Preliminary Results—CH2M HILL
- 50 Discharge Analysis
- 51 Characterization of Deposition Area
- 52 Chemical
- 53 Biological
- 54 Toxicological
- 55 Invasive Species
- 56 14:00 EIS Impact Prediction Methodology—CH2M HILL
- 57 15:00 Comments—Committee Discussion
- 58 16:30 Wrap-up—CH2M HILL
- 59 **Second Expert Committee Meeting**
- 60 Date and Time: December 19, 2007, 10:00-16:00
- 61 Location: Office of CH2M HILL, 8501 W. Higgins Road, Suite 300, Chicago, IL 60631-2801
- 62 Meeting Participants:
- 63 Mr. Tom Anderson, American Steamship Company

-
- 64 Dr. Bruce Brownawell, Marine Sciences Research Center, Stoney Brook University
- 65 Mr. Al Fenedick, U.S. EPA
- 66 Mr. Greg Kirkbride, U.S. Coast Guard
- 67 Dr. Gary Matlock, National Centers for Coastal Ocean Service, NOAA
- 68 Mr. Jeff Paul, PB Americas, Inc.
- 69 Dr. Jeffrey Reutter, Ohio Sea Grant College Program, Ohio State University
- 70 Dr. Jamie Maughan, CH2M HILL
- 71 Mr. Ryan Loveridge, CH2M HILL
- 72 Agenda and CH2M HILL Presentation Topics:
- 73 10:00 Introductions
- 74 10:15 Program Status and Overview
- 75 10:20 NEPA Overview
- 76 10:25 Resources Considered
- 77 10:40 Alternatives and Impact Analysis Framework
- 78 11:10 DCR Control Measures Effectiveness
- 79 11:15 Impact Criteria
- 80 11:30 Review of 2006 and 2007 Scientific Results
- 81 12:00 Environmental Consequences
- 82 12:15 Lunch
- 83 13:15 General Overview of Invasive Mussels in the Great Lakes
- 84 13:30 Mussel Studies
- 85 14:00 Comparison of Alternatives
- 86 15:00 Break
- 87 15:15 Comments – Committee Discussion
- 88 15:45 Wrap-up
- 89 **Invasive Mussel Committee Meeting**
- 90 Date and Time: September 24, 10:00–16:00
- 91 Location: Office of CH2M HILL, 1001 Lakeside Avenue Suite 990, Cleveland, OH 44114
- 92 Meeting Participants:
- 93 Dr. Jerry Kaster, University of Milwaukee

- 94 Dr. Ken Krieger, Heidelberg College
- 95 Dr. Christine Mayer, University of Toledo
- 96 Tim Cummins, U.S. Coast Guard
- 97 Al Fenedick, U.S. Environmental Protection Agency
- 98 Jamie Maughan, CH2M HILL
- 99 Mike Mischuk, CH2M HILL
- 100 Lindsay Olinde, CH2M HILL
- 101 Agenda and CH2M HILL Presentation Topics:
- 102 Introductions
- 103 Overview of DCR NEPA/ Rule Making Program
- 104 Purpose of Expert Committee
- 105 Overview of DCR Handling Procedures
- 106 Summary of Past Studies
- 107 Summary of Phase I and II Mussel Studies
- 108 Work Plan for Phase III & IV Studies
- 109 Discussion of Literature Review Goals