

Hazardous Substance Response

Plans for Vessels

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I. Application

- A. Owners/Operators of tank vessels transporting/storing hazardous substances (CWA list - 40 CFR 116.4) in bulk
- B. Isomers and hydrates, as well as solutions of 10% or more by weight

II. Plan Contents

- A. General notification
- B. Notification procedures, list of contents
- C. Shipboard source control procedures
 - i. Dependent on actions vessel plans to take
- D. Risk-based decision support process
 - i. Describe process to identify, evaluate, control, and communicate risk
- E. Response resources (equipment/personnel)
- F. Training and exercises
- G. Chemical-specific appendix
- H. Vessel-specific appendix
- I. On board checklist and emergency procedures (unmanned barges)

III. Qualified Individual Requirements

- A. Like oil plan requirements + OSHA incident commander training (29 CFR 1910.120)
- B. QI must have full authority to implement response actions

IV. Exercises

- A. Same as oil plans; hazsub exercises may be substituted for oil exercises
- B. QI Notification – quarterly
- C. Spill management team tabletop – annually
- D. Equipment deployment – annually
- E. Entire plan – every 3 years

V. Contracted/Owned Equipment/Timeframes

- A. Air & Water monitoring – within 2 hours
- B. PPE – within 2 hours
- C. Modeling – within 2 hours

- D. Firefighting – 24 hours
- E. Lightering – location dependent (12-36 hours)
- F. Salvage – 12 hours

VI. Identified Equipment

- A. Insoluble floaters
- B. Insoluble sinkers

VII. Technical Specialists (access to):

- A. Product Specialist
- B. Toxicologist
- C. Certified Marine Chemist
- D. Certified Industrial Hygienist
- E. Chemist or Chemical Engineer

VIII. Chemical-Specific Appendix

- A. CHRIS Manual suffices
 - i. Physical and chemical class
 - ii. Hazard and hazard class
 - iii. Shipping info
 - iv. Exposure limit

IX. Certifications

- A. O/O certifies that risks have been evaluated and resources listed in plan are adequate for responding to WCD
- B. Statement that all resource providers acknowledge being listed in plan

X. Plan Submission

- A. 60 days prior to transfer operations
- B. Plan good for 5 years

XI. Public Meeting – Common Themes/Concerns

- A. Qualified Individual
- B. Reasonable Time
- C. Technical Specialists
- D. Cargo/Cargo Residue
- E. 10% Criterion
- F. Chemical-Specific Appendix
- G. International Requirement (MARPOL Annex II)