Hazardous Substance Response
Plans for Vessels

LT Claudia C. Gelzer, U. S. Coast Guard, Office of Response
Washington DC

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)