

NAS PENSACOLA ECO MEETING **SUMMARY**

Date: September 18, 1996 Place: Atlanta Time: 8:00 - 5:00

Attendees:	Bill Hill (Meeting Leader)	Bill Gates (F acilitator/ N otetaker)
	John Mitchell (FDEP)	Gena Townsend (EPA)
	Denise Klimas (N OAA)	Joan Dupont (EPA)
	C huck Mason (E n S afe)	David Trimm (E n S afe)

AGENDA

1. Identify Wetlands by Type (**F**resh/**M**arine)
2. Review Sites 40/41/42 **S**APs/**W**ork **P**lans/**C**onceptual Models
3. Review Draft Ecological Risk Assessment Guidance for **S**uperfund dated September 26, 1994.
4. Determine **A**ssessment/**M**easurement Endpoints
5. Determine **W**etlands/**A**ssessment **Z**ones Requiring No Further Action
6. Prioritize **W**etlands/**A**ssessment **Z**ones Requiring Further Study
7. From the **W**etlands/**A**ssessment **Z**ones Determined in **I**tem 6, Limit the Number of **W**etlands/**A**ssessment **Z**ones for Further Study

ACTIONS AND DECISIONS GENERATED FROM THIS MEETING

1. Identify **ds** by Type (**F**resh/**M**arine)

Fresh water wetlands: Red: W1-sw, 3-sw, 5-sw, 10-sw, 12-no sw, 18A-sw.
Orange: 1, 6, 48, 49. Blue: W2, 13, 19A 52, 56, 57, 63B, 72, 79.

Marine Wetlands: Red: 4D-sw, **16-sw**, **18B-sw**, 64-no sw. Orange: **15-sw**, 63A.
Blue: 17, 19B, 58.

sw - surface water data available

no sw - no surface water data available

9609-ED01

Rename wetland 6: (1) portion adjacent to Wetland 64 becomes lower portion, (2) existing lower portion becomes upper portion.

9609-ED02	Wetland 6 sample locations 10 and 11 become part of Wetland 64 contingent on field confirmation by David.	Agenda
9609-ED03	Wetland W2 remains fresh water contingent on field confirmation by David.	Agenda
9609-ED04	Parameters to lump wetlands: TOC, grain size, vegetation, wetland type, water depth, observed species, expected species, types of contaminants, salinity.	

2. Review Sites 40/41/42 SAPs/Work Plans/Conceptual Models

Denise's Comments to above Documents to be Addressed During Later Agenda Items:

Bioaccumulation/Bioavailability

- Specify assessment/measurement endpoints
- Endangered species
- Value of diversity studies
- Phase IIB and III may be combined

3. Review Draft _____ical Risk Assessment Guidance for Superfund 1994

9609-ED05 Use above document for eco risk assessment

5. Determine Wetlands/Assessment Zones Requiring No Further Action

Blue Wetland Criteria:

- (1) If contamination at the wetland can be tied to an IR site and further study is warranted, continue investigation.
- (2) If contamination at the wetland cannot be tied to an IR site, refer information to NAS Pensacola and identify the potential liability associated with the contamination that was found, or,
- (3) Determine if new site.

No Further Action Required: 13, 17, 19A, 19B.
Refer to NAS (criteria 2 above): W2, 52, 56, 57, 58, 63B, 72.
Further wetland description (9609-EA05): 79

9609-EA01	Chuck to confirm wetland surface water sampling data available.	Agenda
9609-ED06	Surface water sampling of all wetlands is required.	
9609-EA02	Chuck to compile individual PAHs and pesticides contamination results, TELs, and PELs for all wetlands including surface water data.	Agenda
9609-ED07	Inform NAS of potential liabilities for contamination found that is not associated with IR sites.	
9609-EA03	Chuck to resolve Wetlands 52 and 56 sampling locations A1.	Agenda
9609-EA04	Chuck to change TOC units to percent.	Agenda
9609-EA05	Chuck to further describe Wetland 79 because it has the potential to be eliminated as having a wetland determination.	Agenda
9609-ED08	Red and orange wetlands will be treated the same for risk assessment. Individual wetland relationship to existing IR site(s) and/or new site determination will be made on a wetland by wetland basis.	

4 Determine Assessment/Measurement Endpoints

Assessment Endpoints	Receptors	
Reproduction of Fish eating Birds	Blue Heron, Kingfisher, Little Blue Heron	
Health of Benthos (survival, reproduction, growth)	White Shrimp, Fiddler Crab, Crayfish, Amphipod, Mysid Shrimp	
Health of Fish	Silverside Minnow, Fathead Minnow, Killifish	
Health of Mammals (terrestrial fauna)	Raccoon, Turtle, Beaver, Muskrat	
Protection of Estuarine Nursery		
Protection of Threatened and Endangered Species	Whitewort Pitcher Plant, Saltmarsh Top Minnow, Little Blue Heron	

Protection of Aquatic Flora	Eel Grass	
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Measurement Endpoints	Test Organisms	
	Fresh	Marine
Bioaccumulation in fish and plants	Fathead Minnow, Polycheate, Crayfish	Killifish, Clam
Toxicity (Acute/Chronic) to: fish, amphipods, shrimp, crayfish, plants, sea urchin, polycheate (survival, reproduction, growth)	Amphipod (A/C), Hyelleusteea, Daphnid, a fish?, Crayfish?, Plants?	Amphipod (A/C), Mysid Shrimp, Polycheate for growth (C), Panaeid Shrimp for growth (C), Silverside, Plants?
Benthic diversity		

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9609-ED09

Protocol:

- (1) Define wetland types
- (2) Identify contaminants per wetland **type**
- (3) Based on (1) and (2) link assessment endpoints to wetlands
- (4) Group wetlands by same type and same contaminants and assess worst case wetland
- (5) Back calculate wetlands with less contamination

9609-EA06

Chuck to present above by Nov. 1

Agenda

9609-EA07

David to prepare volatiles only (detects) list for Sites 40 and 42 by October 11

Agenda

9609-EA08

Chuck to review Wetland 64 data and propose transferring a portion of 64 to Site 40

Agenda

Next Meeting

October 21, 1:00 - 5:00, FDEP District Office Building, Pensacola