



**Inland Waterways Users Board  
Meeting  
July 27, 2005**

**Waterways Action Plan Partnership  
Portfolio Risk Assessments**



# Waterways Action Plan Partnership





# WAP Partnership Objective

- **Develop an umbrella document addressing:**
  - **Partnering organization structures**
  - **Event planning procedures (what and by whom)**
  - **Proper benchmarks or thresholds (when action should be taken)**
  - **Communication tree (who to contact)**
  - **Definitions for infrastructure & waterway terms for response and recovery from high water/high flow, low flow, and ice conditions along the inland waterway system.**
  - **Existing waterway-specific Crisis Action Plans will be updated appendices (annexes) to this document.**



# **WAP Partnership Background**

- **Partnership members: the Navigation Industry (National and Regional Organizations), U.S. Coast Guard, and Army Corps of Engineers**
- **Partnership Agreement signed March 15, 2005 at the Inland Waterways Conference in Nashville, TN**



# **WAP Partnership Timetable**

- **Establish WAP Steering Committee – 27/28  
Apr 05**
- **Assign development of waterway-specific  
annexes to regional workgroups – Jun 05**
- **Complete all annexes and compile the WAP –  
Oct 05**
- **Review the WAP – Nov/Dec 05**
- **Develop an exercise program to be included –  
Jan 06**
- **Approve and disseminate the WAP – Feb 06**



# *U.S. Inland Waterway System*







# Portfolio Risk Assessment (PRA)





# PRA Objective

- **Regionally, conduct dam safety screening for all 609 Corps flood damage reduction and navigation projects**
- **Identify dam projects at greatest risk, Corps-wide**
- **Prioritize top 10% of dam projects at greatest risk using a standardized screening process**
- **Determine cost of risk reduction and prepare technical documentation for funding requests**
- **Conduct evaluations of other 80% - 90% of Corps dams as funding provided**





# PRA Methodology

- **Phase 1 - Screening for Portfolio Risk Assessment (SPRA)**
  - **Focus on Dams at Great Risk**
  - **3 Cadres Deployed**
  - **FY05 - 10% Portfolio**
  - **FY06 – Additional 10%**
  - **Yields Relative Ranking**
  - **Feeds PRA**



# **PRA Methodology (cont'd)**

- **Phase 2 Portfolio Risk Assessment (PRA)**
  - **Focus on Dams at Greater Risk**
  - **To be developed in FY06**
  - **FY06 - 10% Portfolio**
  - **Cost Effectiveness**
  - **Yields Explicit Risks**
  - **Feeds Site Specific RA**



# **PRA Methodology (cont'd)**

- **Phase 3 – Site Specific Risk Assessment (RA)**
  - **Focus on Dams at Greatest Risk**
  - **To be developed in FY07**
  - **Optimizes Remedial Alternatives Based on Risk**



# PRA Timetable

- **Identify Dams at Great Risk – Apr 05**
- **Train Cadres – May 05**
- **Conduct Screening PRA – Jun – Aug 05**
- **Decision Making Process – Aug 05**
- **FY 07 Budget Process – Sep - Oct 05**
- **FY 06 PRA – Oct 05 – Aug 06**
- **Execute the Program – Oct 06 - Sep 07**



# PRA Guidance

- **National Leadership focusing on Screening Activities and Policy Guidance**
  - **New Engineer Technical Letter being drafted on *Risk Analysis and Assessment for Dam Safety (with An Addendum on Navigation Dams)***





**QUESTIONS?**