Draft

Problem Summaries

August 15, 1995

CALFED
BAY-DELTA
PROGRAM

Agenda Item 3b

Water Quality

The water quality in the Bay-Delta is insufficient to meet the beneficial uses of the Delta water. At times, water quality standards have not been met and contaminants have been found in some fish and wildlife species triggering public health warnings.

- **A. Drinking Water Quality**
  - A.1. Particulates/Carb./Nutrients (inc. lev.)
    - A.1.a. TOC Caused By-Products (increased levels)
    - A.1.b. Treatment Caused Taste and Odor (increased levels)
    - A.1.c. Turbidity (increased levels)
    - A.1.d. Toxicity of Sediments (increased levels)
  - A.2. Pollutants/Metals (increased levels)
    - A.2.a. Pesticides (increased levels)
    - A.2.b. Herbicides (increased levels)
    - A.2.c. Hydrocarbons (increased levels)
    - A.2.d. Heavy Metals (increased levels)
    - A.2.e. Hazardous Spill (increased risk)
  - A.3. Delta Flow (decreased flow)
    - A.3.a. Bromide Caused By-Products (increased levels)
    - A.3.b. Salinity (increased levels)
    - A.3.c. Large Diversion Volumes (increased problems)
  - A.4. Other
    - A.4.a. Pathogens (increased risk)
    - A.4.b. Asbestos (increased levels)
    - A.4.c. Complex WQ Standards (increase difficulty)
- **B. Agricultural Water Quality**
  - B.1. Particulates (increased levels)
    - B.1.a. Turbidity (increased levels)
    - B.1.b. Toxicity of Sediments (increased levels)
  - B.2. Pollutants/Metals (increased levels)
    - B.2.a. Hydrocarbons (increased levels)
    - B.2.b. Heavy Metals (increased levels)
    - B.2.c. Hazardous Spill (increased risk)
  - B.3. Delta Flow (decreased flow)
    - B.3.a. Chlorides (increased levels)
    - B.3.b. Large Diversion Volumes (increased levels)
  - B.4. Other
    - B.4.a. Water Quality Standards (conflicts)
- **C. Industrial Water Quality**
  - C.1. Pollutants/Metals (increased levels)
    - C.1.a. Hydrocarbons (increased levels)
    - C.1.b. Heavy Metals (increased levels)
    - C.1.c. Hazardous Spill (increased risk)
  - C.2. Delta Flow (decreased flows)
    - C.2.a. Salinity (increased levels)
    - C.2.b. Large Diversion Volumes (increased problems)
  - C.3. Other
    - C.3.a. Complex WQ Standards (increase difficulty)
- **D. Recreational Water Quality**
  - D.1. Particulates/Nutrients (inc. levels)
    - D.1.a. Nutrient Loading (increased imbalance)
    - D.1.b. Toxicity of Sediments (increased levels)
  - D.2. Pollutants/Metals (increased levels)
    - D.2.a. Pesticides (increased levels)
    - D.2.b. Herbicides (increased levels)
    - D.2.c. Hydrocarbons (increased levels)
    - D.2.d. Heavy Metals (increased levels)
    - D.2.e. Dioxin (increased levels)
    - D.2.f. Hazardous Spill (increased risk)
  - D.3. Delta Flow (decreased flows)
    - D.3.a. Large Diversion Volumes (increased problems)
  - D.4. Other
    - D.4.a. Pathogens (increased risk)
    - D.4.b. Asbestos (increased levels)
    - D.4.c. Complex WQ Standards (increase difficulty)
- **E. Environmental Water Quality**
  - E.1. Particulates/Nutrients (increased levels)
    - E.1.a. Nutrient Loading (increased imbalance)
    - E.1.b. Suspended Solids (increased levels)
    - E.1.c. Toxicity of Sediments (increased levels)
  - E.2. Pollutants/Metals (increased levels)
    - E.2.a. Pesticides (increased levels)
    - E.2.b. Herbicides (increased levels)
    - E.2.c. Hydrocarbons (increased levels)
    - E.2.d. Heavy Metals (increased levels)
    - E.2.e. Dioxin (increased levels)
    - E.2.f. Hazardous Spill (increased risk)
  - E.3. Delta Flow (decreased flows)
    - E.3.a. Salinity (increased levels)
    - E.3.b. Temperature (increased levels)
    - E.3.c. Large Diversion Volumes (increased problems)
  - E.4. Other
    - E.4.a. Dissolved Oxygen (decreased levels)
    - E.4.b. Water Quality (conflicts)

Revised: 8/15/95

E-000245