

A. Liquid Discharges

The contamination of drinking water supplies following discharge of contaminated water is possible only for those downstream supplies using the receiving water body for makeup. This outcome is avoided by the curtailment of intake during the course of the passage of the contaminated water.

B. Atmospheric Discharges

Deposition of airborne radiocontaminants on water surfaces of supply streams, reservoirs and on cistern collectors is more difficult to avoid than intake of contaminated water. It is also difficult to postulate the activity concentrations deliverable to users since the reservoir inventory and surface configuration prior to deposition will vary widely.

C. Drinking Water PAG's

The basis for criteria for drinking water concentrations is the USEPA National Interim Primary Drinking Water Regulations, EPA-570/9-76-003, Appendix B.

1. For controlled liquid discharges to surface water in the course of the accident and its aftermath, the USEPA Appendix B concentrations will apply in finished water. The associated dose commitment is 4 mrem/yr to any organ.
2. For uncontrolled discharges to surface water and in circumstances where the water supply is influenced by contaminated runoff and fallout, the USEPA Appendix B concentrations multiplied by 12 will apply. This assumes the exposure time will not exceed one year. The associated dose commitment to any organ is 50 mrem.
3. For acute crisis conditions where no other water supply is available and the duration is less than 30 days, the average concentration may reach 1,000 times the USEPA Appendix B concentrations. The associated dose commitment to any organ is 330 mrem.

PENA
PAG'S

$\frac{1}{20} \times 10 \text{ CFR } 20$

$\frac{1}{2} \times 10 \text{ CFR } 20$

$50 \times 10 \text{ CFR } 20$

9.9 Monitoring

9.9.1

General

This section discusses the gathering and preservation of radiation data collected during and after an accident at a fixed facility. It

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PDR ADOCK 05000352
Q PDR

NUCLEAR REGULATORY COMMISSION

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In the matter of PECO - Lemrick 192

IDENTIFIED _____
RECEIVED _____
REJECTED _____
Staff _____
Applicant _____
Intervenor _____
Cont'g. Data _____ DATE 6/19/84
Contractor _____ Witness _____
Other _____
Reporter Mary Sinner

