

DECLARATION FOR THE RECORD OF DECISION
CRAB ORCHARD NATIONAL WILDLIFE REFUGE
METALS AREAS OPERABLE UNIT



No 080

SITE NAME AND LOCATION

Sangamo/Crab Orchard National Wildlife Refuge
Carterville, Illinois

STATEMENT OF BASIS AND PURPOSE

This decision document presents the selected remedial action for the Metals Areas operable unit at the Crab Orchard National Wildlife Refuge Site near Carterville, Illinois, which was chosen in accordance with CERCLA, as amended by SARA, and to the extent practicable, the National Contingency Plan. This decision is based on the administrative record file for this Site.

The United States Department of the Interior, the current owner of the site, concurs on the selected remedy.

The State of Illinois has not concurred on the selected remedy.

ASSESSMENT OF THE SITE

Actual or threatened releases of hazardous substances from this Site, if not addressed by implementing the response action selected in this ROD, may present an imminent and substantial endangerment to public health, welfare, or the environment.

DESCRIPTION OF THE SELECTED REMEDY

This operable unit is the first of several planned for the Site. The remedy for the first operable unit addresses three distinct sites which contain soil and sediment contaminated primarily with metals such as cadmium, chromium and lead. A preferred alternative was selected by U.S. EPA for a second operable unit, consisting of four distinct sites primarily contaminated with PCBs and lead. Public comment is currently being evaluated on the second operable unit, and the final remedy will be selected after the comments are reviewed. The remedy selected for the Metals Areas operable unit addresses the principle threats posed by the sites comprising the operable unit. The major components of the selected remedy include:

- Excavation of contaminated soil and sediment;
- Treatment by stabilization/fixation of all excavated soil and sediment contaminated with metals that are considered RCRA hazardous because of EP Toxicity to render them non-hazardous;



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- On-site disposal of non-RCRA hazardous stabilized/fixed material and untreated residues exceeding the clean up targets in a landfill meeting the requirements of RCRA Subtitle D and 35 Illinois Administrative Code Part 807;
- Environmental monitoring during and after remedial construction to ensure the effectiveness of the remedial action.

DECLARATION

The selected remedy is protective of human health and the environment, attains Federal and State requirements that are legally applicable or relevant and appropriate for this remedial action, is cost-effective and consistent with achieving a permanent remedy. This remedy satisfies the statutory preference for remedies that employ treatment that reduces toxicity, mobility or volume as a principle element and utilizes permanent solutions and alternative treatment (or resource recovery) technologies to the maximum extent practicable for this Site. Because this remedy will result in hazardous substances remaining on-site above health-based levels, a review will be conducted within five years after commencement of remedial action to ensure that the remedy continues to provide adequate protection of human health and the environment.

Valdas V. Adamkus

Date 3/30/90

Frank M. Gorington

Acting Signature
Regional Administrator, Region V
U.S. Environmental Protection Agency