



Aerial Radiological Survey



Rodger Allison
RAB Co-Chair
Iowa AAP
November 21, 2002

Program Roles

- ◆ **ER,A:** Performs clean up actions for past Army industrial practices.
 - Deputy Asst. Sec. of the Army for Environment, Safety and Occupational Health

- ◆ **FUSRAP:** Performs clean up actions for past Atomic Energy Commission activities.
 - Deputy Asst. Sec. Of the Army for Civil Works

History

- ◆ Mr. Ray Fatz, Deputy Assistant Secretary of the Army, Environment, Safety and Occupational Health, committed to conducting an Aerial Radiological Survey to Governor Tom Vilsack.
- ◆ \$500,000 of ER,A funds was committed for this effort.

Agency Roles

- ◆ **Project Management:** Iowa AAP
- ◆ **Executing Agency:** Department of Energy, National Nuclear Security Administration
- ◆ **Contractors:** Bechtel (Flyover) and Argonne National Laboratory (QA), American Ordnance (Flyover Support)
- ◆ **Regulators:** Iowa Department of Public Health and USEPA, Region 7

Purpose

- ◆ Identify areas that have been affected by a release of man made radioactive isotopes and to assist in the determination of areas that have or have not been affected.
- ◆ Delineate ER,A from FUSRAP areas.
- ◆ Ensure no immediate threat to the public exists.

Possible Future Use of the Data

- ◆ Future site assessments by FUSRAP
- ◆ Determination of which sites will remain responsibility of the Army under ER,A efforts
- ◆ Worker health studies

Facts

◆ Areas to be surveyed

- The entire 19,000+ acres will be surveyed
- Off post areas along Brush and Long Creek

◆ Contaminants of Potential Concern:

- Depleted Uranium
- Cesium 137
- Radium 226
- Plutonium

— portion of Middlefork
Acres I think

Facts

- ◆ Survey was conducted using a specially equipped helicopter
- ◆ Flew at 100 ft altitude
- ◆ Detection area on the ground was 200 ft wide path
- ◆ Flyover was conducted 23-28 October 2002
- ◆ Collected corroborative ground measurements on 28 October 2002
- ◆ Data analysis is being performed in
<Nevada> ~~Illinois~~ Illinois

PRELIMINARY INFORMATION

**Elevated levels of man made
constituents found at:**

◆ **Storage Locations**

◆ **Firing Site**

◆ **Coal Storage and Fly Ash Landfill**

What's Next

Target Milestones are:

◆ **Draft Report: March 2003**

◆ **Final Report: June 2003**