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Subject or Title
FUSRAP Use of Data Generated During the Aerial Radiometric Survey of the IAAAP

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Sharon Cotner	CEMVS-PM-R	10/22/2002
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DEPARTMENT OF THE ARMY
ST. LOUIS DISTRICT, CORPS OF ENGINEERS
8945 LATTY AVENUE
BERKELEY, MISSOURI 63134

REPLY TO
ATTENTION OF:

October 22, 2002

CEMVS-PM-R

Formerly Utilized Sites Remedial Action Program

SUBJECT: FUSRAP Use of Data Generated During the Aerial Radiometric Survey of the Iowa Army Ammunition Plant (IAAAP)

Iowa Department of Public Health
Bureau of Radiological Health
(ATTN: Mr. Don Flater)
401 SW 7th Street, Suite D
Des Moines, Iowa 50309

Dear Mr. Flater:

On September 19, 2002 a meeting was held to identify and discuss unresolved issues associated with the Formerly Utilized Sites Remedial Action Program (FUSRAP) at the Iowa Army Ammunition Plant (IAAAP). During this meeting representatives from the United States Army Corps of Engineers (USACE), United States Environmental Protection Agency Region VII (USEPA), Iowa Department of Public Health (IDPH) and IAAAP discussed how data generated from the aerial radiometric survey would be used by FUSRAP. As a result of this discussion, the USACE agreed to address this topic in writing.

The data generated during the aerial radiometric survey will be combined with other site-specific information to categorize areas of the IAAAP as impacted or non-impacted in accordance with the "Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)." "Site specific information" will include historical data regarding former Atomic Energy Commission activities, information describing current use of areas by IAAAP tenants including Army/American Ordnance, data gathered as part of Environmental Restoration, Army activities, documents recently declassified by the Department of Energy, and information gathered as a result of additional interviews conducted with former workers at IAAAP. After assessing this information, the USACE anticipates being able to categorize areas of the IAAAP into one of the following groups:

1. Non-impacted, non-anthropogenic. An area will be categorized as "non-impacted, non-anthropogenic" if there is no evidence of AEC activities or releases did not occur in the area and if no anthropogenic (man-made) radioactivity was detected (within the detection capabilities of the survey) during the aerial radiometric survey.

2. Impacted, non-anthropogenic. An area will be categorized as "impacted, non-anthropogenic" if there is evidence of AEC activities and if no anthropogenic radioactivity was detected (within the detection capabilities of the survey) during the aerial radiometric survey. Such an area would be classified minimally as a class 3 area in accordance with MARSSIM.

3. Impacted, potentially by AEC, anthropogenic. An area will be categorized as "impacted, potentially by AEC, anthropogenic" if there is no evidence of AEC activities and if anthropogenic radioactivity was detected during the aerial radiometric survey. Such an area would be evaluated further to ascertain the presence of licensed, or other, radioactive material and determine responsibility (FUSRAP, Army, other).

4. Impacted, anthropogenic. An area will be categorized as "impacted, anthropogenic" if there is evidence of AEC activities and if anthropogenic radioactivity was detected during the aerial radiometric survey.

USACE anticipates that the data generated during the aerial radiometric survey will be sufficient to assist in categorizing areas of the IAAAP into one of the four groups listed above. However, the suitability of this data for area categorization will be dependent upon the nature and quality of data that is generated by the survey relative to the nature and quality of the data that was planned to be collected.

Should you have questions or comments, please contact Mr. Lou Dell'Orco of my staff at (314) 260-3932.

Sincerely,



Sharon R. Cotner
FUSRAP Program Manager

CF:

Mr. Rodger Allison, Iowa Army Ammunition Plant
Mr. Scott Marquess, U.S. Environmental Protection Agency