



## INTEROFFICE CORRESPONDENCE

DATE August 8, 1990 JJB-08-90  
TO R. L. Renne  
FROM J. J. Bogott, Environmental Restoration, Bldg. T130B, X541Z *INA*  
SUBJECT REQUEST FOR RADIOLOGICAL SURVEY AT OLD LANDFILL, SWMU 115

The Environmental Restoration (ER) Department requests assistance from Radiological Engineering (RE) for a radiological survey/assessment to be performed at the old landfill SWMU 115. On June 7, 1990 the Environmental Protection Agency (EPA) and the Colorado Department of Health (CDH) investigated the old landfill. These inspectors were accompanied in the field by Scott Grace, DOE. An area in the northwestern part of the landfill was tested with a field survey instrument and indicated radioactivity elevated above background concentrations.

The EPA is concerned that the area of elevated radioactivity is susceptible to accelerated erosion causing potential releases of radionuclides to surface water during periods of high runoff. EG&G recommended that clean fill dirt be placed on top of the exposed materials at the landfill in order to stabilize the soil until a remedial investigation scheduled for October 31, 1990 could be performed. EPA rejected this proposal and requested EG&G perform a radiologic survey along the entire SWMU to identify other potential areas of concern and the potential for release of radioactivity to surface water drainage, i.e., the south interceptor ditch and Woman Creek.

ER requests that RE perform a radiological survey/assessment at the old landfill. This assessment will be used by RE to determine the appropriate precautions for radiological workers prior to any work being conducted. In addition, the results from this assessment will be used by ER personnel to evaluate the existing state of the landfill and be the basis for future proposals to the EPA for action at the landfill.

This assessment should determine the type of radiation present, the quantity of radiation present, and the particulate size of the surface soil. In addition, an external survey for surface exposure should be conducted. ER personnel will define the entire area to be included in this survey by placing perimeter stakes or tape at the boundary of the area, and will provide RE with a large scale map of the area of concern. RE should establish an identifiable grid prior to the survey in order to insure traceability of results.

ADMIN RECORD

A-SW-000628

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REVIEWED FOR CLASSIFICATION/UCN
BY <u>G. T. Ostdiek</u> <i>82</i>
DATE <u>7-1-93</u>

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A commitment date of August, 1990 has been made to the EPA for the completion of this survey. In addition, EPA has requested a copy of the work plan for this survey to be submitted to them for review. If you have any questions or if ER can be of assistance please call me.

smf

cc:  
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