

# Los Alamos National Laboratory

Environment, Safety And Health Division (ESH-19)

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Date: August 7, 2000  
Refer to: ESH-19-00:066

Hand Delivered

Mr. John Kieling, RCRA Permits Program  
Hazardous and Radioactive Materials Bureau  
New Mexico Environment Department  
2004 Galisteo St., Building A  
P.O. Box 26110  
Santa Fe, New Mexico 87502



Dear Mr. John Kieling

**SUBJECT: NOTIFICATION OF EMERGENCY CHEMICAL DESTRUCTION  
AT LOS ALAMOS NATIONAL LABORATORY (LANL), TECHNICAL AREA  
(TA) 46**

The purpose of this letter is to provide a written report notifying you of the destruction of 2 containers of potentially unstable chemicals at TA-49, on August 1, 2000. Approval to perform this activity was provided by you via telephone on the same day.

During operations at TA-46, personnel found two 500 milliliter (ml) glass bottles containing ~50-100 ml of collodion in an outside storage cabinet adjacent to Building 154. Because the material was no longer in solution, it was determined by emergency response personnel that the items were potentially a threat to human health and safety and that an emergency chemical destruction was necessary.

The material to be destroyed was moved from the storage cabinet at TA-46 to TA-49 by the Hazardous Devices Team. Air modeling calculations performed by the Environmental, Safety and Health, Group 17 personnel determined that the planned release of the material generated during the operation would not result in significant toxic release concentrations at public access points. Safe standoff distances for the chemical destruction personnel were calculated and observed.

Destruction of the material was completed on August 1, 2000. An inspection of the surrounding area after the destruction process was completed revealed no unusual occurrences. The residue in the burn box has been sampled and is undergoing analysis. When analysis is complete, the residue will be characterized and managed appropriately.



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REC LANL TA-46 / '00

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Mr. John Kieling  
ESH-19:066

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August 7, 2000

If you have any questions, please call me at 667-0820.

Sincerely,



Alice Barr  
Hazardous and Solid Waste Group

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