TA15

ENTERED

NEW MEXICO
ENVIRONMENT DEPARTMENT

Ground Water Quality Bureau

1190 St. Francis Drive
P.O. Box 5469, Santa Fe, NM 87502
Phone (505) 827-2918 Fax (505) 827-2965
www.nmenv.state.nm.us

BILL RICHARDSON
Governor
DIANE DENISH
Lieutenant Governor

RON CURRY
Secretary
JON GOLDSTEIN
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

RECEIVED
APR 2009
NMED Hazardous Waste Bureau

April 3, 2009

Anthony R. Grieggs, Group Leader
Environmental Protection Division
Water Quality & RCRA (ENV-RCRA)
P.O. Box 1663, Mail Stop K490
Los Alamos, NM 87545

RE: Request for Additional Information, Dual Axis Radiographic Hydrodynamic Test (DARHT); AI:856 (PRD20080002)

Dear Mr. Grieggs:

The New Mexico Environment Department (NMED) received a Notice of Intent for the discharge of potable water used to remove mud and snow from equipment and staff Personal Protective Equipment at the Dual Axis Radiographic Hydrodynamic Test (DARHT) facility on April 23, 2008 (copy attached). The Notice of Intent proposes the discharge of up to 7,500 gallons per year of industrial wastewater which potentially contains elevated levels of uranium and beryllium.

NMED has reviewed the Notice of Intent in accordance with the New Mexico Water Quality Control Commission Regulations (20.6.2 NMAC). The following additional information is necessary in order for NMED to determine if the DARHT facility will require a Ground Water Discharge Permit:

1. Submit documentation (eg; photographic evidence, schematic drawings, etc.) of the decontamination containment area which supports the assertion that infiltration of the industrial wastewater into the surrounding soils would be prevented.

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2. Submit procedures for the operation and maintenance of the decontamination containment area including routine removal and disposal of accumulated sediment build-up.

Following submission of the requested additional information, NMED will respond to your Notice of Intent. Your cooperation is appreciated. If you have any questions, you may reach me at (505) 827-2909.

Sincerely,

Jennifer Fullam
Environmental Scientist
Ground Water Pollution Prevention Section

enc: Notice of Intent, Dated April 23, 2008

cc: James Bearzi, NMED Hazardous Waste Bureau (w/ enc)
John Young, NMED Hazardous Waste Bureau (w/ enc)
Glenn Saums, NMED SWQB (w/enc)
Ralph Ford-Schmidt, NMED-DOE Oversight Bureau (w/ enc)
Bob Beers, Environmental Protection Division, Water Quality & RCRA, P.O. Box 1663, Mail Stop K490, Los Alamos, New Mexico 87545 (w/o enc)
Mike Saladen, ENV-RCRA, Los Alamos National Laboratory, K490, Los Alamos, NM 87545 (w/o enc)

ENCLOSURE 2

COPY

Dual Axis Radiographic Hydrodynamic Test (DARHT)
15-312 Firing Site
Equipment Washing
NOTICE OF INTENT

1. **Name and address of facility making the discharge.**
Los Alamos National Laboratory
Hydrodynamic Experiments Division (HX)
P.O. Box 1663
Los Alamos, New Mexico 87545

2. **Location of the discharge (In Township, Range and Section, if available).**
DARHT Firing Site
Technical Area (TA) 15, Building 312
NAD 1983 New Mexico Central
GPS Point: 1758798.0 easting
GPS Point: 1624835.0 northing
See attached map of the DARHT Firing Site.

3. **The means of discharge. (To lagoon, Flowing stream, Water course, Arroyo, Septic tank, other).**
These discharges will consist of potable water used to remove mud and snow from equipment and staff Personnel Protective Equipment (PPE). Discharge will be onto an asphalt or concrete pad located on the TA-15-312 firing point. The mud and snow removed from equipment and PPE may contain small fragments of depleted uranium and beryllium, consistent with firing site constituents. The discharge will infiltrate the area surrounding the firing point and will not leave the firing site boundary. No liquid will be discharged to a water course.

4. **The estimated concentration of contaminants (if any) in the discharge.**
Only potable water will be used for washing procedures. No foreign contaminants will be introduced to the site of the washing activities. Included are copies of environmental surveillance data from the potable water system for 1996. Information concerning the firing site can be found in the Environmental Surveillance reports and the following DARHT Mitigation Action Plan Reports; LA-UR-98-75, LA-UR-99-186, LA-UR-01-413, LA-UR-03-1173, and LA-UR-04-4266.

5. **The type of operation from which the discharge is derived.**
The washing area will be used to prevent the spread of depleted uranium fragments and beryllium that may collect on vehicles and staff leaving the explosives research detonation facility. Storm water and sediment controls surrounding the washing area and the use of as little water as necessary for each washing operations will ensure that no runoff from the site occurs.

6. **The estimated flow to be discharged per day.**
Due to the variability in the number of explosive experiments performed, it is estimated that up to 7,500 gallons of wash water may be used per year. This estimate is variable and is dependent on equipment movement and weather conditions that may influence muddy conditions requiring equipment washing. The amount of water used for each washing event will be documented and kept on file.

7. **The estimated depth to Ground-Water (if available)**
The estimated depth to ground water is 1,150 feet below ground surface at TA-15.

ENCLOSURE 2

Signed: _____ Date: 3-25-08

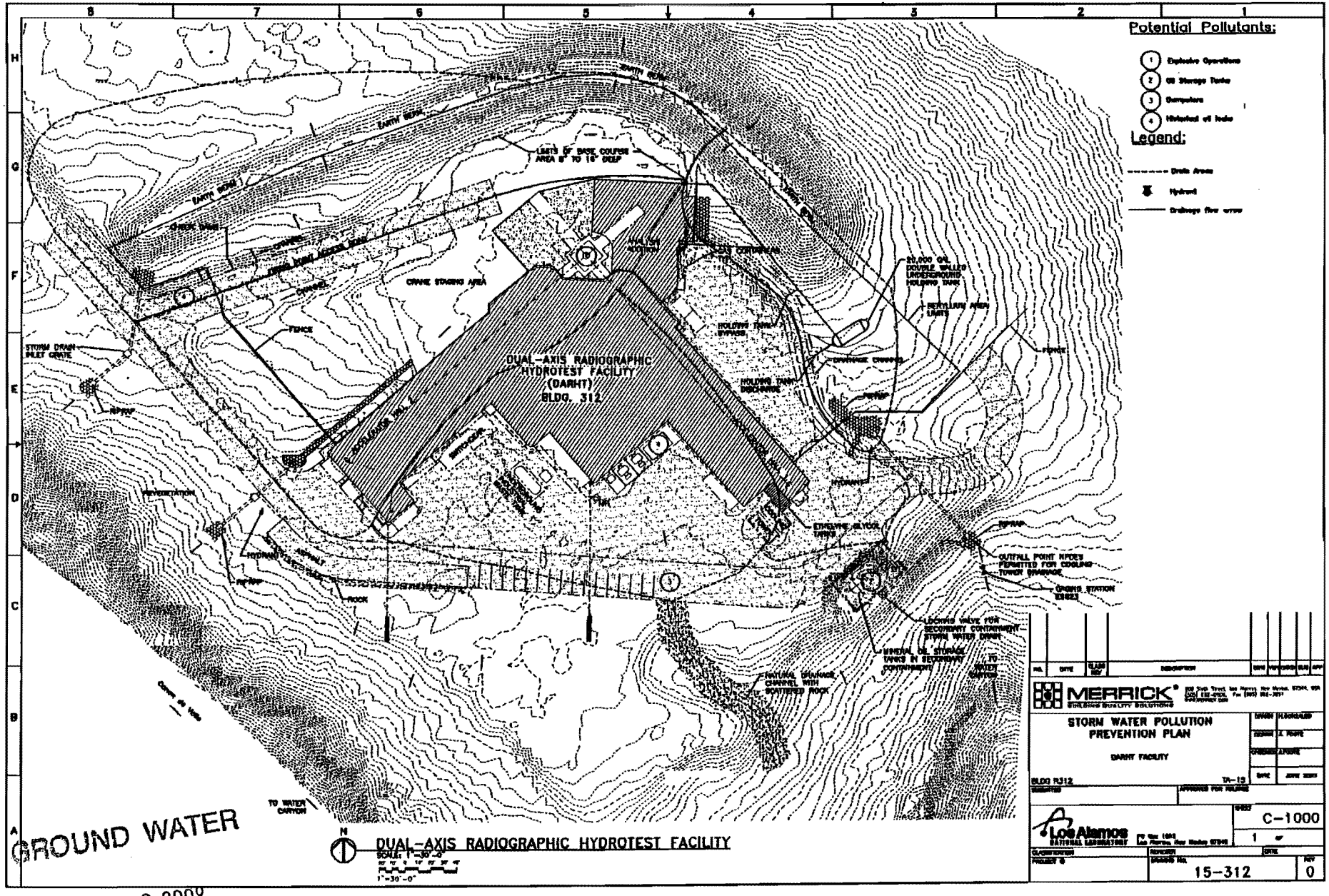
Ray Flesner, Group Leader
Hydrodynamic Experiments Division
HX-3 Hydrodynamics Group

Signed: _____ Date: 3/24/08

Robert Mason Facility Operations Director
Weapons Facilities Operations Facility Operations Director (WFO-FOD)

Signed: _____ DGL Date: 3/31/08

for Tony Griggs Group Leader
ENV-RCRA: Water Quality & RCRA (ENV-RCRA)



GROUND WATER

APR 23 2008

BUREAU

COPY