

July 16, 2010

LICENSE SUA-1341  
DOCKET NO. 40-8502

Attn: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Mr. Keith I. McConnell, Deputy Director  
Decommissioning & Uranium Recovery Licensing Directorate  
Division of Waste Management & Environmental Protection  
Office of Federal and State Materials &  
Environmental Management Programs  
11545 Rockville Pike  
Rockville, MD 20852-2738

**Subject: Supplemental Information of Spill at Christensen Ranch Pump Station**

Dear Mr. McConnell:

This letter serves as supplemental information requested by Linda Gersey of the Nuclear Regulatory Commission Region IV of the spill that happened on June 8, 2010 at the Mine Unit 6 booster pump station at the Christensen Ranch Project Site. The spill occurred when maintenance personal were evacuating the injection trunk line with air, from wellfield module building 6-1, through the pump station and to the waste ponds at the Christensen Ranch. A 10" steel check valve in the pump station had a split in it that was not noticed before the evacuation of the line was started. The leaking fitting was found within 15 minutes of the process and was shut down. The check valve was removed and the pipe was blind flanged to prevent another spill. Approximately 1200 gallons of injection solution was spilled. The water inside the building was recovered in the building sump system, the water that went outside the building approximately 600 gallons pooled around the building and in the parking area and was not recovered. The water in the trunk line was permeate solution that was injected during the restoration phase of the mine which ended in 2005. A sample of the spill solution was taken and analyzed the results of the sample analysis were Conductivity 179 umhos/cm, Chloride 15 mg/L, Alkalinity 196 mg/L, Uranium <0.4 ppm and pH 5.9.


This spill did not meet the reporting requirements stated in 10CFR 40.60.

Attached is a map showing the location of the Mine Unit 6 booster pump station at the Christensen Ranch Project Site.

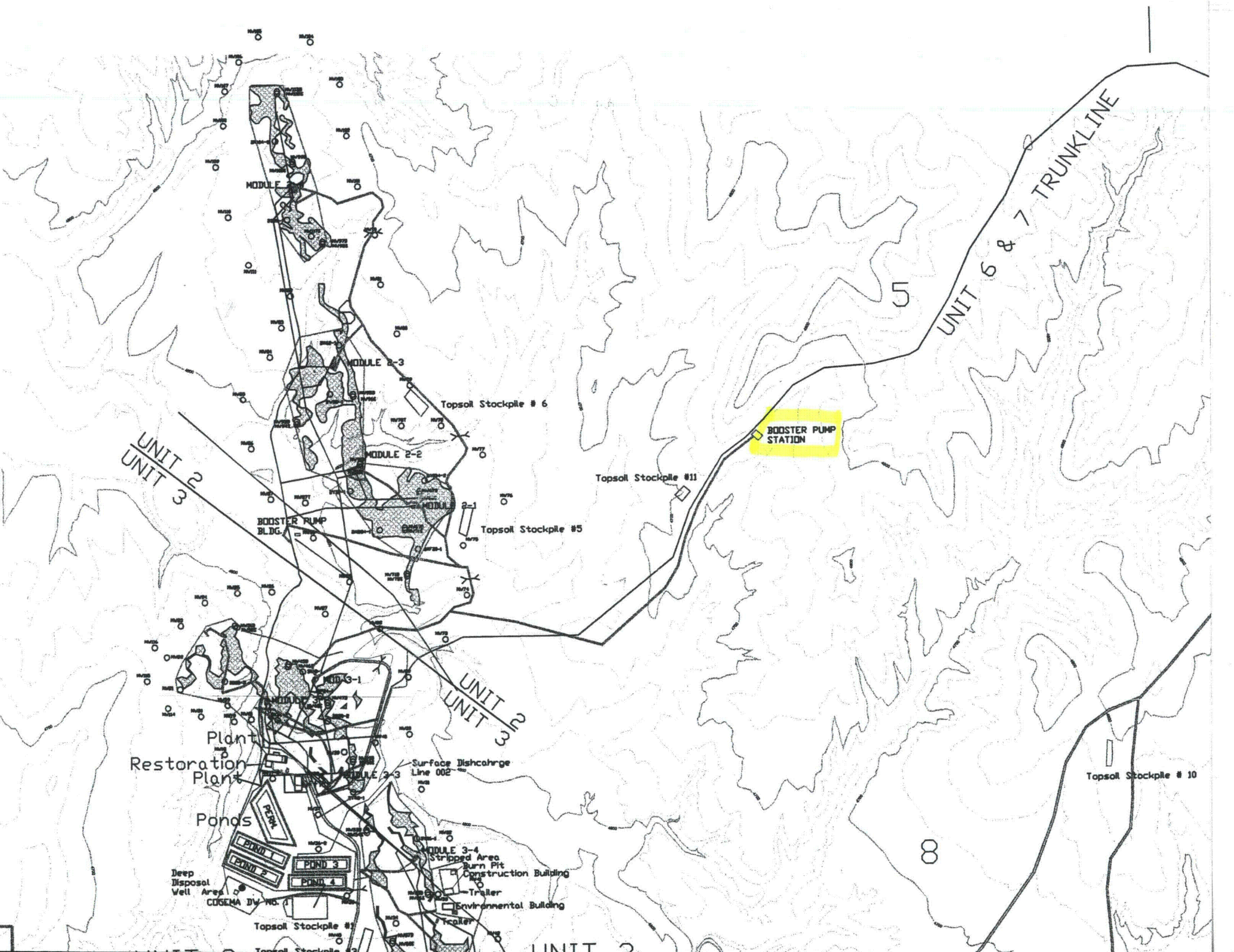
FSME21

Please contact me should you have any questions regarding this report.

Sincerely,

A handwritten signature in black ink, appearing to read "Larry Arbogast", written over the word "Sincerely,".

Larry Arbogast  
Radiation Safety Officer  
cc: Jon Winter



UNIT 2  
UNIT 3

UNIT 6 & 7 TRUNKLINE

UNIT 3-4

Plant  
Restoration Plant

Ponds

Deep Disposal Well Area  
COSEMA DW NO. 1

Topsoil Stockpile # 3

Topsoil Stockpile # 6

Topsoil Stockpile # 11

Topsoil Stockpile # 5

Topsoil Stockpile # 10

BOOSTER PUMP STATION

Surface Discharge Line 002

Stripped Area Burn Pit

Construction Building

Trailer

Environmental Building

Trailer

UNIT 3