October 15, 2009

TO: Docket File 40-9085

THRU: Bill VonTill, Chief
Uranium Recovery Licensing Branch
Decommissioning and Uranium Recovery
Licensing Branch
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

FROM: Douglas T. Mandeville, Project Manager **/RA/**
Uranium Recovery Licensing Branch
Decommissioning and Uranium Recovery
Licensing Branch
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

SUBJECT: LUDEMAN PROJECT SITE VISIT

On September 14, 2009, the U.S. Nuclear Regulatory Commission (NRC) staff conducted a site visit of the Ludeman Project, a uranium recovery facility being developed in Converse County, Wyoming, by Uranium One of Casper, Wyoming. Enclosed is a trip report for this site visit. No regulatory issues or safety concerns were identified during the site visit.

Docket Number: 40-9085

Enclosure: NRC Trip Report

bcc w/enclosure:
A. Howell, RIV
C. Cain, RIV
J. Whitten, RIV
L. Gersey, RIV
K. McConnell, DURLD

October 15, 2009

TO: Docket File 40-9085

THRU: Bill VonTill, Chief
Uranium Recovery Licensing Branch
Decommissioning and Uranium Recovery
Licensing Branch
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

FROM: Douglas T. Mandeville, Project Manager **/RA/**
Uranium Recovery Licensing Branch
Decommissioning and Uranium Recovery
Licensing Branch
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

SUBJECT: LUDEMAN PROJECT SITE VISIT

On September 14, 2009, the U.S. Nuclear Regulatory Commission (NRC) staff conducted a site visit of the Ludeman Project, a uranium recovery facility being developed in Converse County, Wyoming, by Uranium One of Casper, Wyoming. Attached to this Memorandum is the trip report for this site visit. No regulatory issues or safety concerns were identified during the site visit.

Docket Number: 40-9085
Enclosure: NRC Trip Report

bcc w/enclosure:
A. Howell, RIV
C. Cain, RIV
J. Whitten, RIV
L. Gersey, RIV
K. McConnell, DURLD

ML092820037

OFC	DWMEP	DWMEP	DWMEP	DWMEP
NAME	DMandeville	BGarrett	BVonTill	DMandeville
DATE	10 /09/09	10/13 /09	10/15/09	10/15/09

OFFICIAL RECORD COPY

U.S. Nuclear Regulatory Commission Trip Report

Docket No.:	040-9085
Applicant:	Uranium One
Facility:	Ludeman
Location:	Converse County, Wyoming
Date:	September 14, 2009
Inspectors:	Linda M. Gersey, Health Physicist Nuclear Materials Safety Branch B
Accompanied By:	Douglas T. Mandeville, Project Manager Uranium Recovery Licensing Branch Decommissioning and Uranium Recovery Licensing Branch Division of Waste Management and Environmental Protection Office of Federal and State Materials and Environmental Management Programs Thomas R. Lancaster, Hydrogeologist Uranium Recovery Licensing Branch Decommissioning and Uranium Recovery Licensing Branch Division of Waste Management and Environmental Protection Office of Federal and State Materials and Environmental Management Programs John Saxton, Hydrogeologist Uranium Recovery Licensing Branch Decommissioning and Uranium Recovery Licensing Branch Division of Waste Management and Environmental Protection Office of Federal and State Materials and Environmental Management Programs Pete Hernandez, Health Physicist/Allegation Coordinator Concerns Resolution Branch Office of Enforcement Region IV Rotational Assignment Division of Nuclear Materials Safety
Approved By:	Bill VonTill, Chief Uranium Recovery Licensing Branch

Enclosure

NRC Trip Report

Background

On June 16, 2009, Uranium One (the applicant) submitted a notice of intent to submit a source material license application to the U.S. Nuclear Regulatory Commission (NRC) for review and approval. The applicant is preparing an application to build and operate an in-situ recovery facility in Converse County, Wyoming.

Site Status

The Ludeman project site is located near the intersection of Wyoming, Routes 93 and 95, approximately 36 miles northeast of Casper, Wyoming. This site is at the southern boundary of the Powder River Basin. A portion of the site, referred to as Leuenberger, was previously licensed under a Research and Development license to Teton Exploration Drilling.

At the time of the site visit, Uranium One did not have any ongoing activities at the site. Uranium One has identified three general areas where ISR activities will be conducted and possible building locations for processing facilities. The staff visited these locations during the site visit.

During the visit, the staff did not observe any existing coal bed methane (CBM) wells and did not observe any CBM development activities. Uranium One indicated that there does not appear to be any sage grouse habitat in the proposed project area.

Uranium One Officials Contacted

Mike Griffin, Vice President Safety, Health & Environmental and Corporate Social Responsibility

Jon Winter, Manager, Wyoming Environmental and Regulatory Affairs

Donna Wichers, Senior Vice President, ISR Operations