NRC FORM 591M PART 1
(07-2012)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:	2. NRC/REGIONAL OFFICE
GeoLog Well Services, Inc. 506 W. Smith Street Wayne City, IL 62895 Location Inspected: Alfordsville, Indiana REPORT NUMBER(S) 2015-001	Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352

3. DOCKET NUMBER(S)	4. LICENSE NUMBER(S)	5. DATE(S) OF INSPECTION
150-00012	IL-02277-01	September 2, 2015

LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

☑ 1. Based on the inspection findings, no violations were identified.

☐ 2. Previous violation(s) closed.

☐ 3. The violations(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.

_____ Non-cited violation(s) were discussed involving the following requirement(s):

☐ 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
(Violations and Corrective Actions)

Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE	DATE
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	Ryan Craffey	Ryan Craffey	9/3/15
BRANCH CHIEF	Aaron McCraw		9/3/15

NRC FORM 591M PART 3
(07-2012)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

Docket File Information

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6. INSPECTION PROCEDURES USED	7. INSPECTION FOCUS AREAS
87123	FE 1-6

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)	2. PRIORITY	3. LICENSEE CONTACT	4. TELEPHONE NUMBER
03110	3	Greg Pottorff, President - RSO	(618) 895-2140

☐ Main Office Inspection Next Inspection Date: TBD

☐ Field Office Inspection

☑ Temporary Job Site Inspection Off County Road 750S, Alfordsville, IN

PROGRAM SCOPE

This was an announced field inspection of a well services company authorized to store byproduct material at its facility in Wayne City, Illinois, and to use that material for well logging at temporary job sites in Illinois jurisdiction. The licensee conducted these activities at temporary job sites in NRC jurisdiction under a reciprocity request filed in January 2015 for the calendar year. At the time of this inspection, the licensee was logging a wildcat natural gas well using Cs-137 and AmBe-241 sealed sources in a rural area of southwestern Indiana, approximately two miles southwest of the hamlet of Alfordsville.

PERFORMANCE OBSERVATIONS

The inspector observed the conclusion of well logging activities at the temporary job site near Alfordsville. The inspector observed the logging supervisor and his assistant dismantle the tool string following the completion of these activities, and noted the use of long-handled tools and other ALARA practices while returning the sealed sources to their locking safes aboard the rig. The inspector then observed the logging supervisor conduct surveys of the tools using a calibrated survey meter. The inspector conducted independent surveys to confirm the absence of any residual contamination on or in the vicinity of the tools and the wellhead. The inspector also conducted surveys of the sources in their safes to verify compliance with DOT limits for radiation levels during transport on public highways. The inspector noted that the licensee's rig was appropriately placarded, and through interviews of the logging supervisor and his assistant found that both possessed adequate dosimetry and both were knoweldgeable of radiation protection principles and licensee procedures.

The inspector reviewed a selection of available records, including shipping papers, operating and emergency procedures, radiation surveys and instrument calibration records, recent leak tests of both sources, and a copy of the company's State of Illinois radioactive materials license. The inspector noted that the licensee's reciprocity change report filed on September 1, 2015, accurately reflected the activities observed during the inspection.

No violations of NRC requirements were identified as a result of this inspection.