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
Michigan Wireline Services, Inc. 4854 East River Road Mount Pleasant, MI 48804 Location Inspected: Job Site in Holland, MI REPORT NUMBER(S) 2016001	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
030-30649	21-25931-01	August 2nd, 2016

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	8/2/16
BRANCH CHIEF	Aaron McCraw	for ATM	8/25/16

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

U.S. NUCLEAR REGULATORY COMMISSION

Docket File Information

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030-30649	21-25931-01	August 2, 2016

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	Ed Crain	(989) 772-5075

☐ Main Office Inspection Next Inspection Date: No change

☐ Field Office Inspection

☑ Temporary Job Site Inspection 188 Howard Avenue, Holland, Michigan

PROGRAM SCOPE

This was an announced field inspection of a well service company authorized to store licensed material at its facility in Mount Pleasant, Michigan, and to use that material for well logging and tracer studies at temporary job sites in NRC jurisdiction. At the time of the inspection, the licensee was performing a series of tracer studies using millicurie quantities of liquid iodine-131 on three disposal wells at a former pharmaceutical manufacturing site in Holland, Michigan. These disposal wells were used to extract groundwater containing low levels of volatile organic compounds (VOCs) from the site and to inject that water into formations far below the underlying aquifer for dispersal. The licensee performed the tracer studies each year around the first week of August as part of a series of contracted tests to ensure that the wells continued to function as intended. The licensee's RSO served as the logging supervisor for this job, and was accompanied by two assistants.

PERFORMANCE OBSERVATIONS

The inspector observed a series of tracer studies on one of the three disposal wells at the Holland job site. The inspector observed baseline surveys and the handling of unsealed radioactive material in preparation for the studies. The inspector conducted independent surveys during these studies to confirm that the licensee had adequately posted the job site. The inspector also interviewed licensee staff to discuss survey meter use, ALARA practices, waste handling, and spill response, among other topics. The inspector found the staff to be knowledgeable of radiation protection principles and licensee procedures. The inspector also reviewed the licensee's methods for transportation of hazardous material, including the proper use of shipping papers.

Following completion of these studies, the inspector observed the licensee's closeout surveys and performed additional confirmatory surveys of the job site. The licensee identified minor contamination in groundwater bled from its equipment following disassembly. The inspector observed as the licensee decontaminated the site and performed additional surveys to confirm that subsequent readings were indistinguishable from background. GW for ATM

No violations of NRC requirements were identified as a result of this inspection. Since this inspection was limited to the conduct of licensed activities at a job site, the due date for the next routine inspection should remain unchanged.