NRC FORM 591M PART 1 U.S. NUCLEAR REGULATORY COMMISSION 10 CFR 2.201 SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION										
1. LICENSEE/LOCATIO	N INSPECTED:		2. NRC/REGIONAL OFFICE							
Vector Engineers			Region III							
1535 Old Finchville Road			U. S. Nuclear Regulatory Commission							
Shelbyville, KY 40065			2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352							
REPORT NUMBER(S	5) 2018002		Lisie, IL 00332-4332							
3. DOCKET NUMBER(S	)	4. LICENSE NUMBER	(S)	5. DATE(S) OF INSPECT						
150-00016		KY-201-802-51		04/13/18, with in-office review through 05/08/18						
Regulatory Commissi	n examination of the activities conduction (NRC) rules and regulations and the esentative records, interviews with per-	ne conditions of your l	icense. The inspection consi	sted of selective examina	tions of					
✓ 1. Based on	Based on the inspection findings, no violations were identified.									
2. Previous	2. Previous violation(s) closed.									
non-repet	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):									
] .										
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)										
		atement of Corre								
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		SIGNATUR		DATE					
LICENSEE'S REPRESENTATIVE										
NRC INSPECTOR	Ryan Craffey		Ref Copres		05/21/2018					
BRANCH CHIEF	Aaron McCraw		1/201		06/01/2018					

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NRC FORM 591M PA (07-2012)	RT 3		Docket File Ir	formation	U.S. NUC	CLEAR REGULATORY COMMISSION			
10 CFR 2.201	SAFE	TY INSPEC	CTION REPORT A		ANCE INS	SPECTION			
1. LICENSEE/LOCATION	N INSPECT	ED:		2. NRC/REGION	NAL OFFICE				
Vector Engineers, Inc.				Region III					
The second secon	1535 Old Finchville Road			U. S. Nuclear Regulatory 2443 Warrenville Road,		•			
Shelbyville, KY 40065				Lisle, IL 60532-4352		1, Suite 210			
REPORT NUMBER(S	20180	002							
3. DOCKET NUMBER(S)			4. LICENSE NUMBE	R(S)		5. DATE(S) OF INSPECTION			
150-00016		KY-201-802-5	KY-201-802-51		04/13/18, with in-office review through 05/08/18				
6. INSPECTION PROCEDURES USED			7. INSPECTION FO	7. INSPECTION FOCUS AREAS					
87124		All	All						
SUPPLEMENTAL INSPECTION INFORMATION									
1. PROGRAM CODE(S)		2. PRIORITY	3. LICENSEE CON	TACT		4. TELEPHONE NUMBER			
03121		5	Erin Henke, R	SO		(502) 633-7585			
✓ Main Office Inspection Next Inspection Date: TBD									
Field Office Inspection									
✓ Temporary	Temporary Job Site Inspection 500 North Lane, Madison, IN								
			PROGRAM	SCOPE					
This was an unannounced reciprocity inspection of a geotechnical engineering and construction management company authorized to store portable moisture density gauges containing radioactive material at its facility in Shelbyville, Kentucky, and to use those gauges at temporary job sites in Kentucky jurisdiction. The company conducted these activities at temporary job sites in NRC jurisdiction under a reciprocity request filed in March 2018 for the remainder of the calendar year. During this inspection, the company was serving as a subcontractor on a wastewater storage and treatment construction project in Madison, Indiana. As a component of the geotechnical services provided, the company intended to perform field density testing using a portable moisture density gauge.									
PERFORMANCE OBSERVATIONS									
The inspector visited the temporary job site listed on the licensee's NRC Form 241 dated March 27, 2018; however, the licensee was not present on the job site. The inspector then visited the licensee's office in Shelbyville, about an hour from the job site, and met with the RSO and an authorized user to discuss the conduct of licensed activities in NRC jurisdiction. The staff demonstrated the implementation of measures for the safe use and transportation of licensed material to job sites such as the one in Indiana, and discussed with the inspector emergency scenarios and response measures. Through these demonstrations and discussions, the inspector found the staff to be knowledgeable of radiation protection principles and regulatory requirements. While on-site, the inspector also reviewed a selection of utilization logs, shipping papers, and field reports. During the period of in-office review, the inspector obtained and evaluated additional information related to the conduct of these licensed activities.  No violations of NRC requirements were identified as a result of this inspection.									

From:

Craffey, Ryan

To:

<u>"erin.henke@vectorky.com"</u> NRC Inspection Report

Subject: Date:

Friday, June 01, 2018 10:47:00 AM

Attachments:

NRC Inspection Report - Vector Engineers 2018.pdf

Hello Erin,

Attached is a completed copy of the report for my inspection of your radiation safety program back in April. Since no violations were identified, no additional action on your part is required, but please feel free to contact me any time if we may be of assistance to you in the future.

Thanks!

## **Ryan Craffey**

Health Physicist US Nuclear Regulatory Commission Materials Inspection Branch, Region III (630) 829-9655