

April 9, 2021

U.S. Army Reserve  
Attn: Edward Tebo  
Environmental Division Chief  
88th Readiness Division  
Fort McCoy, WI 54656

RE: Sediment Pesticide Sampling  
Facility ID: 84069  
Program ID: NE0137634  
Subject: Sediment Sampling Results- Updated J-coded results

Dear Mr. Tebo:

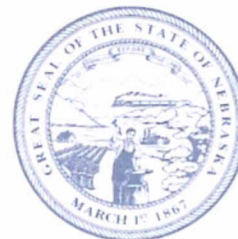
This letter is an update to our March 31, 2021 letter concerning the sampling results for the March 3, 2021 sediment sampling conducted by the Nebraska Department of Environment and Energy (NDEE) from the unnamed tributary on your property related to the environmental investigation at the AltEn, LLC facility.

Enclosed are the J-coded laboratory results for the sediment sample "21PE001505" collected from your property. The J-coded results show estimated values for chemicals that previously were identified as less than the limit of detection (LOD) of 5 parts per billion. The first column of the laboratory report identifies each chemical that was tested for. The third column provides the numeric results of the chemical in units of Parts Per Billion (ppb).

A summary table is provided below.

Sediment Sample	Chemical	Results (ppb)
21PE001505	Azoxystrobin	1.17 - J
	Clothianidin	267
	Desthio-Prothioconazole	15.8
	Difenoconazole	2.88 - J
	Fluoxastrobin	31.4
	Imidacloprid	2.02 - J
	Ipconazole	16.5
	Prothioconazole	21.9
	Sulfonic Acid Prothioconazole	3.10 - J
	Tebuconazole	105
	Thiabendazole	152
	Thiamethoxam	35.3

"J" indicates updated data that previously were identified as < 5 ppb and are estimated values < the LOD of 5 ppb



Pete Ricketts, Governor



The ecological aquatic life risks posed by the detected pesticides in the sediment is currently under evaluation. Further information will be provided upon completion of the evaluation.

If you have any questions, please contact me or Zoe DeGrande at (402) 471-2186 or [mike.felix@nebraska.gov](mailto:mike.felix@nebraska.gov) or [zoe.degrande@nebraska.gov](mailto:zoe.degrande@nebraska.gov).

Thank you again for your assistance.

Sincerely,

A handwritten signature in dark ink that reads "Mike Felix". The signature is written in a cursive, flowing style.

Mike Felix  
Section Supervisor  
Superfund/VCP Section  
Monitoring and Remediation Division

Enclosures

**Performed By:**

South Dakota Agricultural Laboratories  
1335 Western Avenue  
Brookings, South Dakota 57006  
Phone: 605-692-7325  
E-Mail: regina.wixon@sdaglabs.com

**Collected By:**

Nebraska Dept. of Environment and Energy  
PO Box 98922  
Lincoln, NE 68509  
Phone: 402-471-3377  
E-Mail: wade.gregson@nebraska.gov

**Report Date: 2021-04-01****Amended Report****South Dakota Agricultural Laboratories has examined the sample of**

Limfinite Package Id : 20210305-002  
Lab Sample Id : 21PE001505  
Customer Sample Id : Off-site Sediment  
Sample Description : Sediment  
Date Collected : 2021-03-03  
Date Received : 2021-03-05  
Cooler Temp :

**RESULTS**

ANALYTE	UNIT	AS RECEIVED	LOD	DETECTION LIMIT	METHOD	DATE OF EXTRACTION	DATE OF ANALYSIS
Abamectin	ppb	ND	3	10	LC-MS/MS	2021-03-16	2021-03-17
Acetamprid	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-11
Azoxystrobin	ppb	J1.17	1	5	LC-MS/MS	2021-03-10	2021-03-10
Brassinazole	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-10
Clothianidin	ppb	267	1	5	LC-MS/MS	2021-03-10	2021-03-11
Cyproconazole	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-10
Desthio-Prothioconazole	ppb	15.8	1	5	LC-MS/MS	2021-03-10	2021-03-10
Difenoconazole	ppb	J2.88	1	5	LC-MS/MS	2021-03-10	2021-03-10
Dimoxystrobin	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-10
Dinotefuran	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-11
Epoxiconazole	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-10
Fluconazole	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-10
Fluoxastrobin	ppb	31.4	1	5	LC-MS/MS	2021-03-10	2021-03-10
Glufosinate	ppb	ND	3	10	J. Agric. Food Chem. 34 535-538	2021-03-10	2021-03-16
Glyphosate	ppb	ND	3	10	J. Agric. Food Chem. 34 535-538	2021-03-24	2021-03-26
Imidacloprid	ppb	J2.02	1	5	LC-MS/MS	2021-03-10	2021-03-11
Iproconazole	ppb	16.5	1	5	LC-MS/MS	2021-03-10	2021-03-10
Isavuconazole	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-10
Metconazole	ppb	ND	1	5	LC-MS/MS	2021-03-18	2021-03-20
Nitenpyram	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-11
Oryastrobin	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-10
Picoxystrobin	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-10
Propiconazole	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-10
Prothioconazole	ppb	21.9	1	5	LC-MS/MS	2021-03-10	2021-03-10
Pyraclostrobin	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-10
Ravuconazole	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-10
Sulfonic Acid Prothioconazole	ppb	J3.10	1	5	LC-MS/MS	2021-03-18	2021-03-20
Tebuconazole	ppb	105	1	5	LC-MS/MS	2021-03-10	2021-03-10

Tetraconazole	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-10
Thiabendazole	ppb	152	1	5	LC-MS/MS	2021-03-10	2021-03-10
Thiacloprid	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-11
Thiamethoxam	ppb	35.3	1	5	LC-MS/MS	2021-03-10	2021-03-11
Trifloxystrobin	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-10
Uniconazole	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-10
Voriconazole	ppb	ND	1	5	LC-MS/MS	2021-03-10	2021-03-10

## QUALITY ASSURANCE

ANALYTE	UNIT	DUPLICATE	SPIKE RECOVERY	MATRIX BLANK	PROCESS BLANK	INSTRUMENT BLANK
Abamectin	ppb	ND	77.1	ND	ND	ND
Acetamprid	ppb	ND	110	ND	ND	ND
Azoxystrobin	ppb	1.49j	108	ND	ND	ND
Brassinazole	ppb	ND	109	ND	ND	ND
Clothianidin	ppb	227	108	ND	ND	ND
Cyproconazole	ppb	ND	101	ND	ND	ND
Desthio-Prothioconazole	ppb	12.8	95.4	ND	ND	ND
Difenoconazole	ppb	2.80j	89.7	ND	ND	ND
Dimoxystrobin	ppb	ND	129	ND	ND	ND
Dinotefuran	ppb	ND	105	ND	ND	ND
Epoxiconazole	ppb	ND	104	ND	ND	ND
Fluconazole	ppb	ND	80.7	ND	ND	ND
Fluoxastrobin	ppb	31.4	111	ND	ND	ND
Glufosinate	ppb	ND	91.5	ND	ND	ND
Glyphosate	ppb	ND	127	ND	ND	ND
Imidacloprid	ppb	1.78j	113	ND	ND	ND
Ipconazole	ppb	14.5	102	ND	ND	ND
Isavuconazole	ppb	ND	99.3	ND	ND	ND
Metconazole	ppb	ND	105	ND	ND	ND
Nitenpyram	ppb	ND	91.4	ND	ND	ND
Orysastrobin	ppb	ND	105	ND	ND	ND
Picoxystrobin	ppb	ND	115	ND	ND	ND
Propiconazole	ppb	ND	96.0	ND	ND	ND
Prothioconazole	ppb	19.6	109	ND	ND	ND
Pyraclostrobin	ppb	ND	124	ND	ND	ND
Ravuconazole	ppb	ND	101	ND	ND	ND
Sulfonic Acid Prothioconazole	ppb	3.16j	128	ND	ND	ND
Tebuconazole	ppb	107	114	ND	ND	ND
Tetraconazole	ppb	ND	111	ND	ND	ND
Thiabendazole	ppb	164	91.0	ND	ND	ND
Thiacloprid	ppb	ND	115	ND	ND	ND
Thiamethoxam	ppb	37.2	116	ND	ND	ND
Trifloxystrobin	ppb	ND	120	ND	ND	ND
Uniconazole	ppb	ND	104	ND	ND	ND
Voriconazole	ppb	ND	102	ND	ND	ND

### Comments:

### Definitions:

ppb - parts per billion

Detection Limit - Lowest concentration that can be quantitatively reported with confidence



ND - Not Detected above the limit of quantification

Duplicate - Concentration found in repeat sample analysis

Spike Recovery - Recovery based on a known amount of active ingredient spiked into a similar-matrix, blank sample

Matrix Blank - A similar-matrix, blank sample is evaluated

Process Blank - A sample without any matrix (soil, vegetation etc) is processed through the sample analysis procedure

Instrument Blank - Injection solvent is run to demonstrate no carryover between injections on the instrument

**Reviewed and approved by Regina Wixon, Ph.D.**

Submitted by the customer:

20210305-002

21NE001504-1505

21PE001504-1505

2021-03-05 AK



Agricultural and Analytical Testing

# Chain of Custody

20210305-002  
21PE001504-001505

South Dakota Agricultural Laboratories  
1335 Western Ave  
Brookings, SD 57006  
PH 605-692-7325  
Fax 605-692-7326  
www.sdaglabs.com

Contact information					
Company / Organization:	NDEE		Address:	PO Box 90922 Lincoln, NE 68509	
Contact:	Wade Greyson		Email:	wade.greyson@nd.gov	
Phone:	402-471-3377		Special Instructions:		
Project Site / Sampling Event		off-site Ag chemical Screen			
Date of Sample Collection		2 and 3 March 2021			
Sample ID	Time Collected	Sample Media / Type	Number of Containers	Description / Notes	
off-site surface water 1730		WA 1504	1	2 Mar 2021	X
off-site sediment 1600		sediment 1505	1	3 Mar 2021	X
				see attached screen list	

Sample Type Codes		Turn-around-times
VE - vegetation	CI - clothing	Special charges apply for RUSH samples. Please contact the laboratory before sending.
SO - soil	AN - animal	
SW - swab	DDG - dried distiller's grains	
WA - water		

Commercial Carrier	United Parcel Service	
Date/Time Relinquished to Carrier	4 Mar 2021 / 1600	Sample(s) Received at SD Ag Labs Date 2021-03-05
Number of Ice Chest(s) Shipped	1 (one)	Received by Alyssa Kennedy

Relinquished By	Date & Time	Received By	Date & Time
Kurt Dief	4 Mar 21 / 1600	Alumedy	2021-03-05 900am