

Green Bay Location

2121 Innovation Court P.O. Box 5126 De Pere, WI 54115-5126 (920) 497-2500 • Fax: (920) 497-8516 www.foth.com

March 2, 2021

Mr. Mark McColloch, P.G. Environmental Quality Program Unit Supervisor Department of Agriculture, Trade and Consumer Protection 2811 Agriculture Dr. P.O. Box 8911 Madison, WI 53708-8911

Dear Mr. McColloch:

RE: Landspreading Post Application Completion Report – Permit #: 2017-06R

This letter and the accompanying figures and attachments are being submitted by Foth Infrastructure & Environment, LLC (Foth) on behalf of GLK Foods, LLC (GLK Foods), in order to close out the landspreading permit for the spreading of approximately 464 cubic yards (cy) of nitrogen impacted soil from the GLK Foods' facility at 308 Clark Street, Bear Creek, Wisconsin. The soil was excavated and stockpiled at the excavation site in December 2016 and January 2017. The stockpiled soil was landspread from July 17, 2017 – July 20, 2017. The Landspreading Post Application Report is included as Attachment 1.

Background

On October 25, 2016, site soil characterization was conducted to determine existing site conditions and delineate residual pesticide and fertilizer contaminants, if present, at a building expansion and site grading/excavation site at 308 Clark Street, Bear Creek, Wisconsin. Geoprobe® soil borings were completed at 10 locations distributed in a gridded fashion. Sample depths ranged from ground surface to 4 to 5 feet below ground surface. One composite sample was collected from each boring. All samples were analyzed for ammonia, nitrate plus nitrite, and a suite of pesticides. The parameter list was chosen based on previous site investigations as indicated in the BRRTS registry.

Results from sampling the soil borings were initially provided to the Wisconsin Department of Agriculture, Trade & Consumer Protection (DATCP) in a Landspreading Application and an Expansion and Site Grading/Excavation Plan, both dated November 16, 2016. The results showed that soil from some of the borings contained elevated levels of nitrogen. DATCP agreed in a letter dated November 18, 2016 that

Mr. Mark McColloch, P.G. Department of Agriculture, Trade and Consumer Protection March 2, 2021 Page 2

samples from sidewalls and base of the continued excavation be collected and analyzed for nitrate-nitrogen until clean up goals of 100 parts per million total nitrogen were achieved.

As part of continued preconstruction site preparation work, existing buildings at 308 Clark Street were demolished and the site soil was excavated and graded to obtain the required site elevation grade. The soil was excavated at the excavation site in December 2016 and January 2017. Soil samples were taken from test pits in the excavation area to document nitrogen concentrations at the sidewalls and base of the excavation area. Excavation continued until subsequent sample results showed that acceptable levels of nitrogen were obtained. DATCP concurred in an email dated January 26, 2017 that the cleanup was achieved.

The weather had turned cold prior to GLK Foods landspreading the excavated soil. Therefore, the material to be landspread was stockpiled. A subsequent Landspreading Application was submitted May 17, 2017 for landspreading the stockpiled material, and the Landspreading Permit was issued May 22, 2017.

GLK Foods owns 18.9 acres that were identified as meeting landspreading requirements. The excavation site and landspreading site are identified on Figure 1 (Site Location Map) and Figure 2 (Site Layout Map) included as Attachment 2. The proposed landspreading boundary provided within these figures was adjusted to account for DATCP landspreading guidelines for a 100-foot setback between landspread soil and any wells or points where runoff water enters a waterway.

Landspreading

Nitrogen loading calculations for the landspreading of the stockpiled soil are included as Attachment 3. The amount of soil excavated and stockpiled for landspreading was 464 cy. Based on the amount of soil, estimated nitrogen concentration of the soil, and the 18.9 acres used, 40 pounds of nitrogen per acre were landspread.

The average nitrogen concentration of the stockpiled soil used for the loading calculation was determined using a weighted average of the representative area and depth of excavation and using nitrogen concentrations at each test location. The calculations, previously included in the May 17, 2017 Landspreading Application, are provided again as Attachment 4. To be conservative, only detected nitrogen concentrations, and only the maximum nitrogen concentration, were used at each location. The average nitrogen concentration of the stockpiled soil is 597 milligrams per kilogram.

GLK Foods utilized J&J Spreading, LLC to landspread the 464 cy of the contaminated soils throughout 18.9 acres. J&J Spreading, LLC completed the landspreading from July 17, 2017 to July 20, 2017. The invoice from J&J Spreading, LLC is located in Attachment 5. Rocks and other debris collected from the excavation were landfilled.

Mr. Mark McColloch, P.G. Department of Agriculture, Trade and Consumer Protection March 2, 2021 Page 3

If you have any questions or require additional information, please contact Sheryl Pham, Foth Infrastructure & Environment, LLC, at (920) 246-2052 or email at Sheryl.pham@foth.com.

Sincerely,

Foth Infrastructure & Environment, LLC

Sahara Tanner

Environmental Scientist

Sheryl Pham

Lead Environmental Engineer, BSChE

Attachments

cc: Vaughn Zuleger, GLK Foods

Attachment 1 Closure Report



Wisconsin Department of Agriculture, Trade and Consumer Protection Division of Agricultural Resource Management Bureau of Agrichemical Management PO Box 8911

Madison WI 53708-8911 Phone: (608) 224-4500

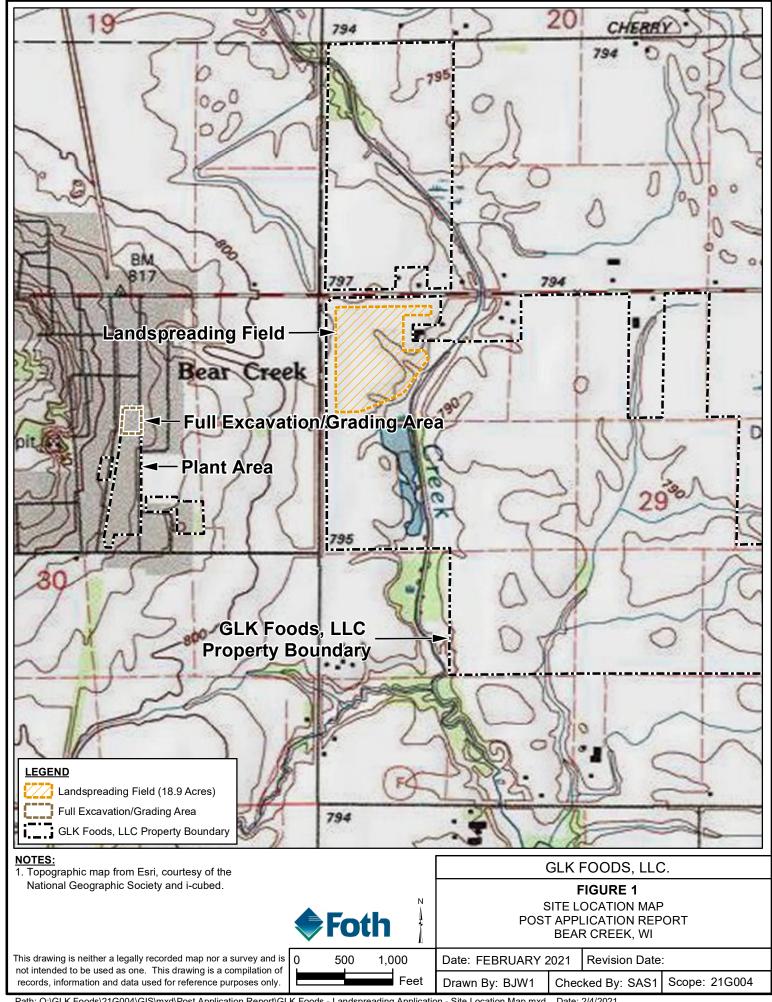


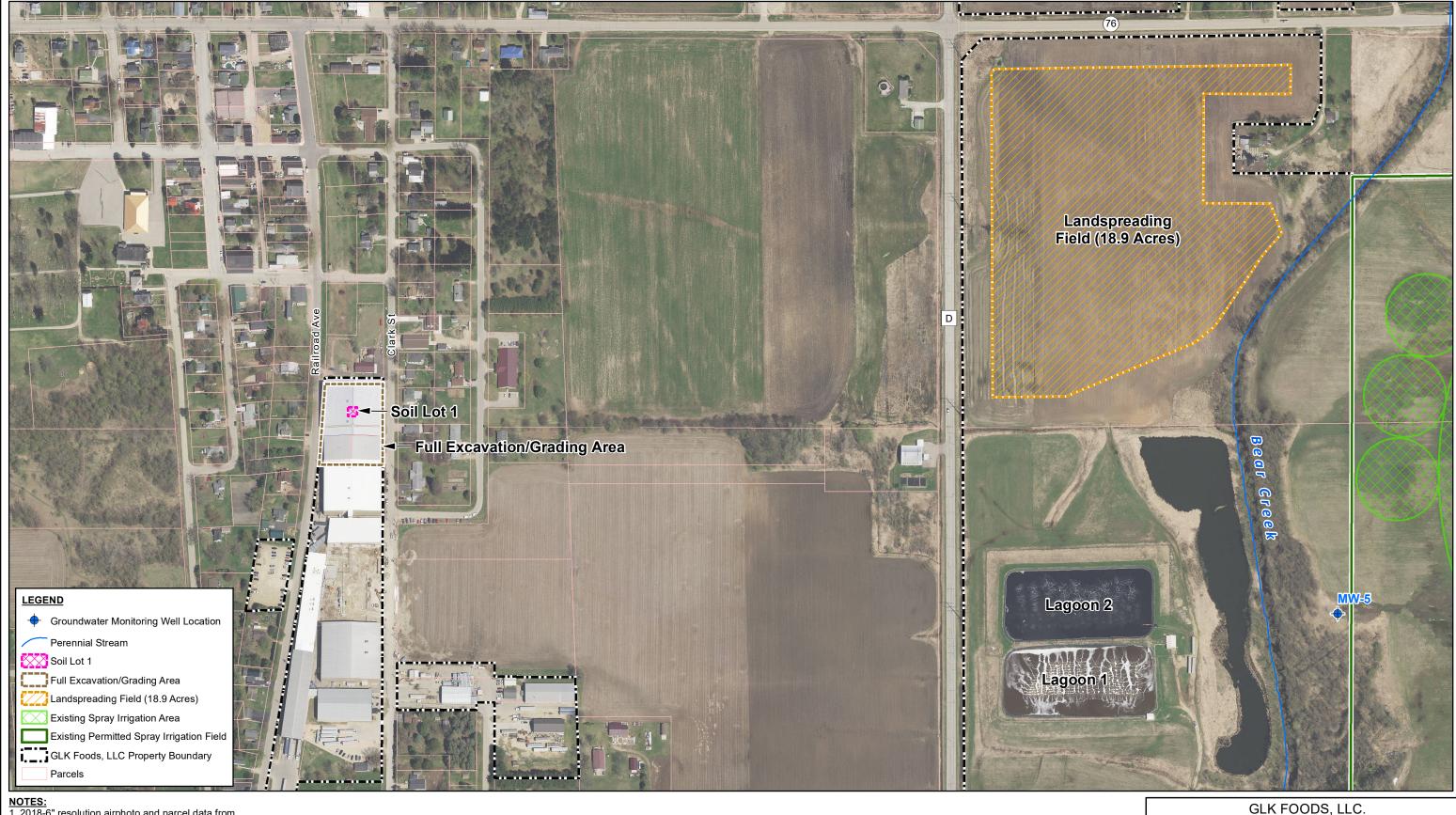
OFFICE USE ONLY
RP Name:
Case Number:

ACCP Landspreading Post-Application Report (Section 94.73 Wis State)

report (Section 34.73, Wis. Stats.)					
PART I					
Total Estimated Volume Landspread: 464 cubic yards					
Total Estimated Nitrogen (lbs): 748 lb N; 40 lb N/ac					
Total Estimated Pesticides (lbs): NA					
Method of Calibration: The spreader was calibrated to spread at an even rate across the site while the tractor went forward at a continuous rate.					
ding Site Information					
Actual Acreage Covered					
18.9 Acres					
ading Permit Holder					
Wis. Admin. Code. The information listed above is true and andowner has been informed of the amount of product landspread Vaughn Zuleger, GLK Foods Permit Holder Name (Print or Type)					

Attachment 2 Figures





NOTES:
1. 2018-6" resolution airphoto and parcel data from Outagamie County Land Information Office.

Foth

SITE LAYOUT MAP POST APPLICATION REPORT BEAR CREEK, WI 150 300 Date: FEBRUARY 2021 Revision Date: Feet Drawn By: BJW1 Checked By: SAS1 | Scope: 21G004

FIGURE 2

This drawing is neither a legally recorded map nor a survey and is 0 not intended to be used as one. This drawing is a compilation of records, information and data used for reference purposes only.

Attachment 3 Nitrogen Loading Rate



Client: Project: Prepared by: Checked by: GLK Foods Project ID: 21G004

Land Spreading Application, May 2017

 SAS1
 Date: 02/03/20

 SBT
 Date: 02/04/20

GLK Foods Soil Landspreading Calculation

Soil: $464 \text{ yd}^3 \text{ x}$ 100 lb x $27 \text{ ft}^3 = 1252800 \text{ lb soil}$

ft^3 yd^3

Acres used: 18.9 acres

Nitrogen Concentration: 597 mg N = 0.0597 % N

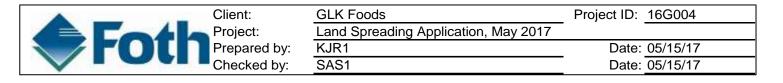
kg

Nitrogen Loading Rate:

1252800 lb soil x 0.0597 % N = 748 lb N

748 lb N/ 18.9 ac = 40 lb N/ac

Attachment 4 Nitrogen Concentration Calculation



Estimate Weighted Volume of Stockpile Relative to Representative Sample Locations

Only samples in or at edge of excavation area are included.

Location	North/South	max	East/West	Weighted	Weighted
ID	length *(ft)	depth (ft)	height (ft)	Volume (ft ³)	Volume
TP5	6.25	2	62.5	781	3%
B2 & TP2	12.5	7.5	115	10,781	48%
TP3	12.5	7.5	62.5	5,859	26%
TP9	12.5	5	70	4,375	19%
B1	6.25	2	55	688	3%
	50			22,484	100%

Note: Because the depth of excavation in each area is not precisely documented, this is a rough approximate average of the relative volume from each area. It is not intended to be exact percentage breakdown of the to the 646 cubic yards excavated.



Client: GLK Foods

Project: Landspreading Application

Prepared by: MCC2 Checked by: KJR1 Scope ID: 16G004

Date: 5/15/2017 Date: 5/15/2017

This calculation sheet presents the method for determining the concentration of nitrogen within Excavation Area. The approach selected is a weighted average approach (based on area, sample depth and excavation depth) and utilizing in-situ soil sampling results. This approach assumes that samples TP-5, B-2_TP-2, TP-3, , TP-9 and B-1 represent approximately 3%, 48%, 26%, 19% and 3% of the soil in Excavation Area, respectively.

Weighted Average Percent of Excavated Soil

$$TP5 := 3\%$$

$$B2_TP2 := 48\%$$

$$TP3 := 26\%$$

$$TP9 := 19\%$$

$$B1 = 3\%$$

Nitrogen Concentration (maximum concentration at the location identified)

$$TP5_N = 382.1 \frac{mg}{kq}$$

$$B2_TP2_N \coloneqq 667 \; \frac{mg}{kg}$$

$$TP3_N \coloneqq 786 \ \frac{mg}{kg}$$

$$TP9_N \coloneqq 315.8 \ \frac{mg}{kg}$$

$$B1_N \coloneqq 28 \; \frac{mg}{kg}$$

Average Nitrogen Concentration in Stockpile

$$Conc_{nitrogen} \coloneqq \left(TP5_N \bullet TP5\right) + \left(B2_TP2_N \bullet B2_TP2\right) + \left(TP3_N \bullet TP3\right) + \left(TP9_N \bullet TP9\right) + \left(B1_N \bullet B1\right)$$

$$Conc_{nitrogen} = 597 \frac{mg}{kg}$$

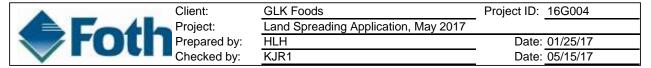


Table 1 Soil Sample Results GLK Foods, Inc., Bear Creek, Wisconsin

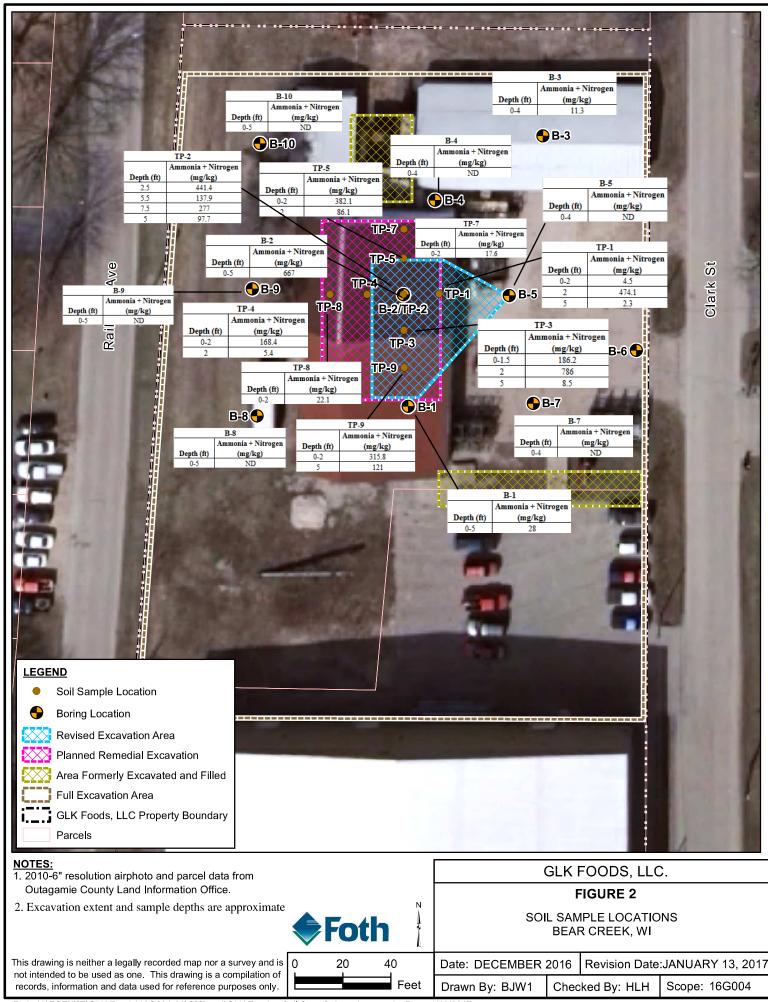
Sample ID	Sample Location	Date	Approximate Sample Depth	Ammonia	Nitrogen, NO2+NO3	Ammonia + Nitrogen
	•		ft	mg/kg	mg/kg	mg/kg
B-1, 0-5'	B-1	10/25/2016	0-5	ND	28	28
TP-1, 0-2'	TP-1	12/5/2016	0-2	ND	4.5	4.5
TP-1-20170104	TP-1	1/4/2017	2	36.1	438	474.1
TP-1-20170116	TP-1	1/16/2017	5	ND	2.3	2.3
B-2, 0-5'	B-2/TP-2	10/25/2016	0-5	233	434	667
TP-2, 2.5'	B-2/TP-2	12/5/2016	2.5	83.4	358	441.4
TP-2, 5.5'	B-2/TP-2	12/5/2016	5.5	94.1	43.8	137.9
TP-2, 7.5'	B-2/TP-2	12/5/2016	7.5	118	159	277
TP-2-20170116	B-2/TP-2	1/16/2017	5	46.2	51.5	97.7
B-3, 0-4'	B-3	10/25/2016	0-4	ND	11.3	11.3
TP-3, 0-1.5'	TP-3	12/5/2016	0-1.5	50.2	136	186.2
TP-3-20170104	TP-3	1/4/2017	2	644	142	786
TP-3-20170116	TP-3	1/16/2017	5	ND	8.5	8.5
B-4, 0-4'	B-4	10/25/2016	0-4	ND	ND	ND
TP-4, 0-2'	TP-4	12/5/2016	0-2	26.4	142	168.4
TP-4-20170104	TP-4	1/4/2017	2	ND	5.4	5.4
B-5, 0-4'	B-5	10/25/2016	0-4	ND	ND	ND
TP-5, 0-2'	TP-5	12/5/2016	0-2	19.1	363	382.1
TP-5-20170104	TP-5	1/4/2017	2	30	56.1	86.1
B-6, 0-4'	B-6	10/25/2016	0-4	ND	ND	ND
TP-6, 0-2'	TP-6	12/5/2016	0-2	NA	NA	NA
B-7, 0-4'	B-7	10/25/2016	0-4	ND	ND	ND
TP-7, 0-2'	TP-7	12/5/2016	0-2	ND	17.6	17.6
B-8, 0-5'	B-8	10/25/2016	0-5	ND	ND	ND
TP-8, 0-2'	TP-8	12/5/2016	0-2	17.6	4.5	22.1
B-9, 0-5'	B-9	10/25/2016	0-5	ND	ND	ND
TP-9, 0-2'	TP-9	12/5/2016	0-2	31.8	284	315.8
TP-9-20170116	TP-9	1/16/2017	5	25	96	121
B-10, 0-5'	B-10	10/25/2016	0-5	ND	ND	ND

Notes:

TP - soil grab samples collected from test pits

B - composite samples collected with Geoprobe

Soil borings and test pit locations in or on the edge of the excavation area.



Attachment 5 Landspreading Invoice

J & J SPREADING. LLC W9722 FIR RD. NEW LONDON, WI 54961 920-716-8441

RECEIVED AUG 1 6 2017

Invoice

Date	Invoice #
8/11/2017	2498

Bill To	-
GLK FOODS	- Transferre
158 East Northland Ave.	SERVICE STREET
Appleton, WI 54911	Canadanasana
	AND REAL PROPERTY.
	-
	-

		grandous and a second s	Terms	Due Date
		processing the second s	Net 15	8/26/2017
Description		Qty	Rate	Amount
MOBILIZATION		464	7.50 200.00	3,480.00 200.00
Please make check payable to				
payable to				
Jr J Spready	ng LC.			
Thank you?				
				H
Thank you for your business. Please remit to the above address.	Total	***************************************		\$3,680.00
	Payments/	'Credits		\$0.00
	Balance Di	ue		\$3,680.00



3912 N. Lightning Drive Appleton, WI 54913 Phone: 920-560-6464

Purchase Order



Order Date

08/17/2017

Page 1 of 1

Order Number

2017-00-01671

Vendor:

J & J Spreading LLC W9722 Fir Rd New London, WI 54961 Ship To:

GLK Foods - Bear Creek 507 Railroad Ave. Bear Creek, WI 54922

Buyer	Pick Up Date	Due To Dock	Facility
Vaughn Zuleger		/ /	GLK Foods - Bear Creek
Freight	Ship		Terms
Prepaid	TBI		Net 30

Item Number	Description	Qty. Ordered	Price	Extension
GLK Part:	vat room 5 land spreading soil	1.00 EA	\$3,680.0000 CA	\$3,680.0000
	Send SDS to sds@glkfoods.com			
	,			

Total Order:

\$3,680.0000