

# **As-Built Documentation**

## **Emerald Sky Dairy, LLC**

2487 County Highway G  
Emerald, WI 54013  
Section 22, Town 30N, Range 16W

## **2019 Feedpad & Runoff Collection**

Ronnie Williams, PE  
Williams Engineering Services, LLC  
E14910 Bears Grass Road  
Augusta, WI 54722  
(715) 829-3231



Williams Engineering Services, LLC  
E14910 Bears Grass Rd, Augusta, WI 54722

Emerald Sky Dairy, LLC  
Feedpad & Runoff Collection  
Completion Certification Statement, Emerald, WI

September 14, 2019

To Whom it May Concern,

This letter is intended to certify completion of the new concrete feedpad with leachate collection system, located west of the Waste Storage Facility (WSF), at the Emerald Sky Dairy, LLC farm of Emerald, WI. The constructed practice meets Wisconsin NRCS Conservation Practice and Wisconsin Department of Natural Resources Standards listed below.

NRCS 382 – Fence (1/14)  
NRCS 533 – Pumping Plant (7/11)  
NRCS 561 – Heavy Use Area Protection (8/15)  
NRCS 634 – Waste Transfer (1/14)  
WDNR – NR 243

Items yet to be completed include limited topsoiling, seeding, and mulching.

I testify that to the best of my professional knowledge, judgment, and belief, that this practice was installed in accordance with the original construction plans, specifications, and/or the As-Built drawings, and that this practice meets the Practice Standards listed above.

Respectfully submitted,

Ronnie Williams, PE



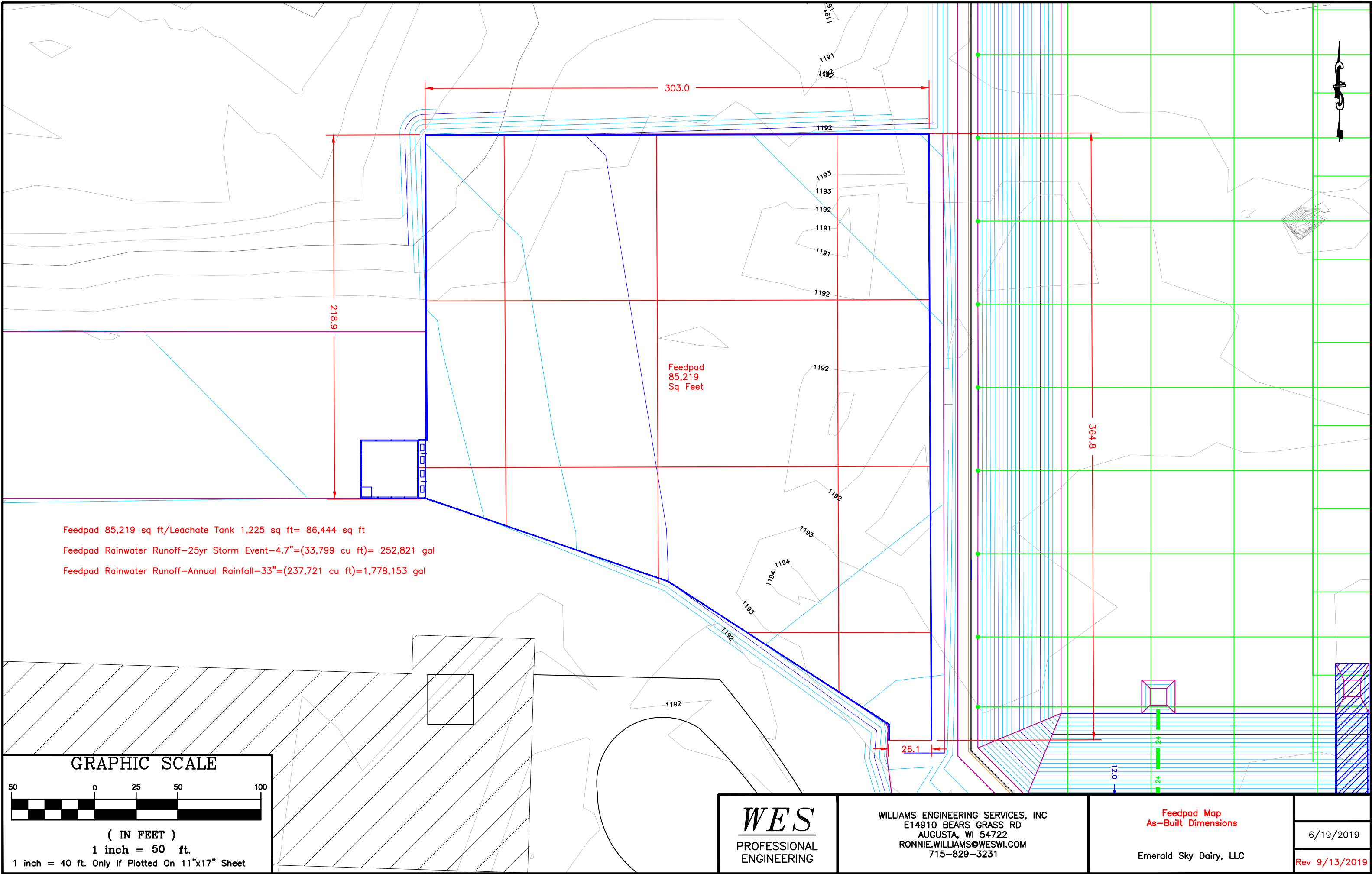
# **As-Built Drawings & As-Built Information**

## **Emerald Sky Dairy, LLC**

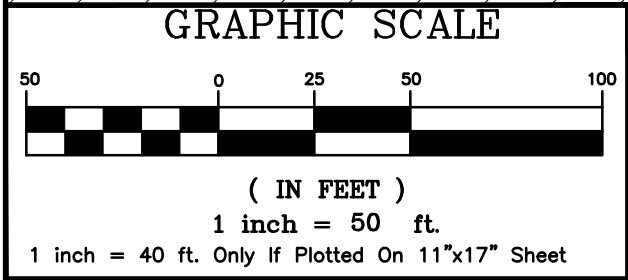
2487 County Highway G  
Emerald, WI 54013  
Section 22, Town 30N, Range 16W

## **2019 Feedpad & Runoff Collection**

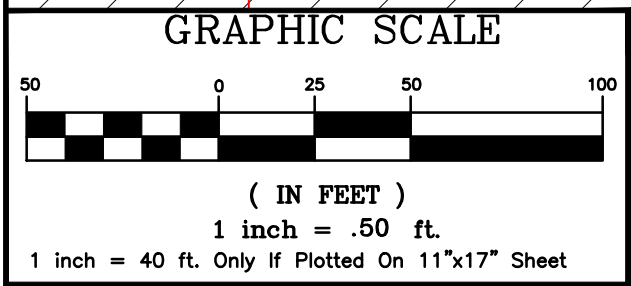
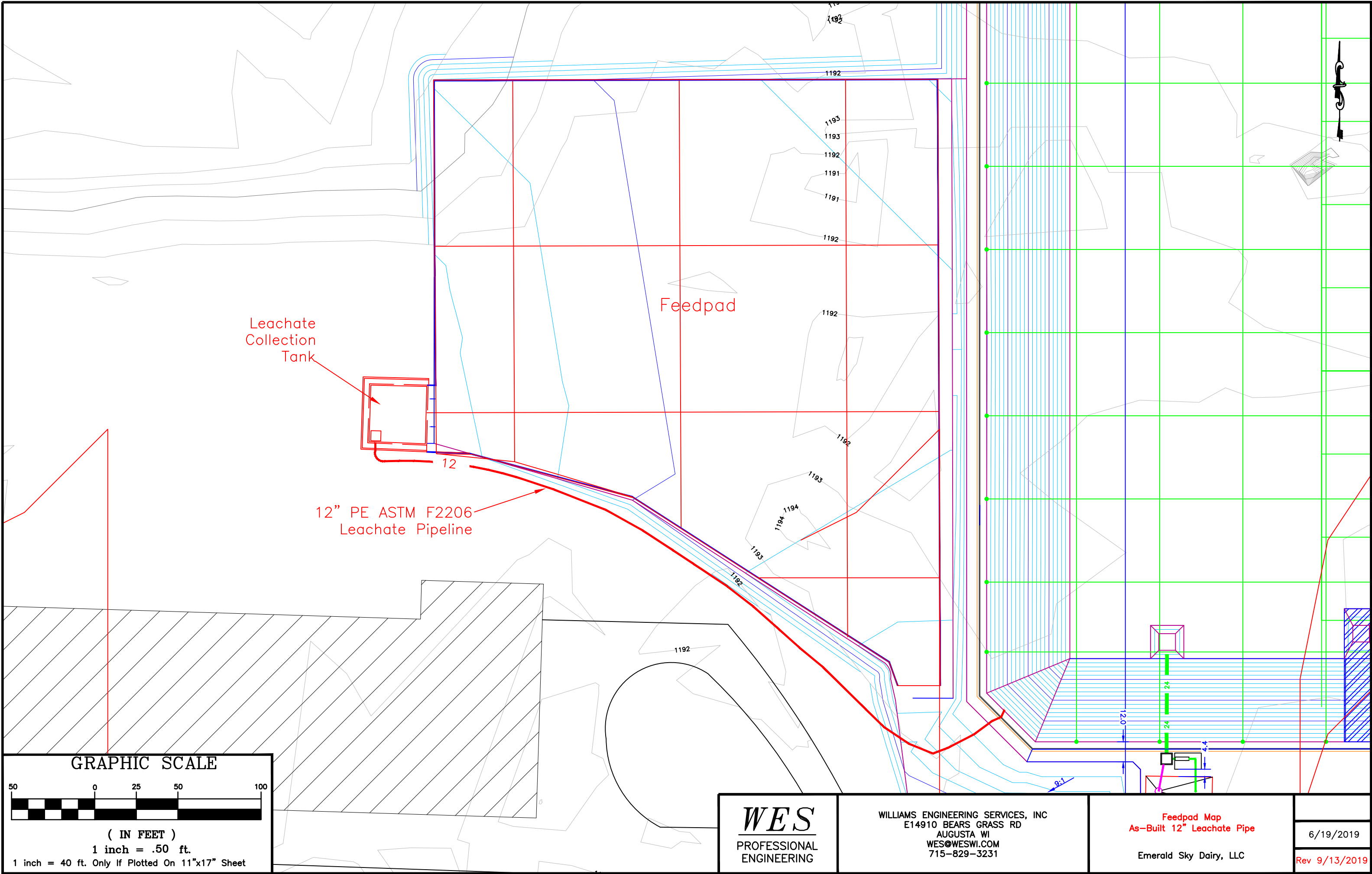
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Williams Engineering Services, LLC  
E14910 Bears Grass Road  
Augusta, WI 54722  
(715) 829-3231



Feedpad 85,219 sq ft/Leachate Tank 1,225 sq ft= 86,444 sq ft  
Feedpad Rainwater Runoff—25yr Storm Event—4.7"=(33,799 cu ft)= 252,821 gal  
Feedpad Rainwater Runoff—Annual Rainfall—33"=(237,721 cu ft)=1,778,153 gal



<b>WES</b> PROFESSIONAL ENGINEERING	WILLIAMS ENGINEERING SERVICES, INC E14910 BEARS GRASS RD AUGUSTA, WI 54722 RONNIE.WILLIAMS@WESWI.COM 715-829-3231	Feedpad Map As-Built Dimensions  Emerald Sky Dairy, LLC	6/19/2019
			Rev 9/13/2019

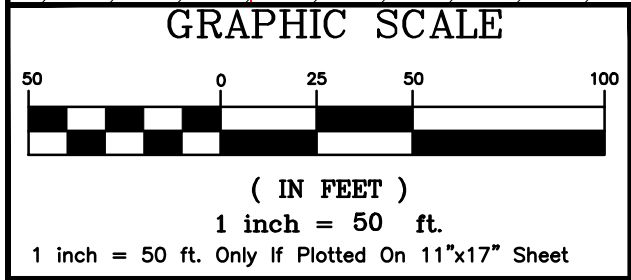
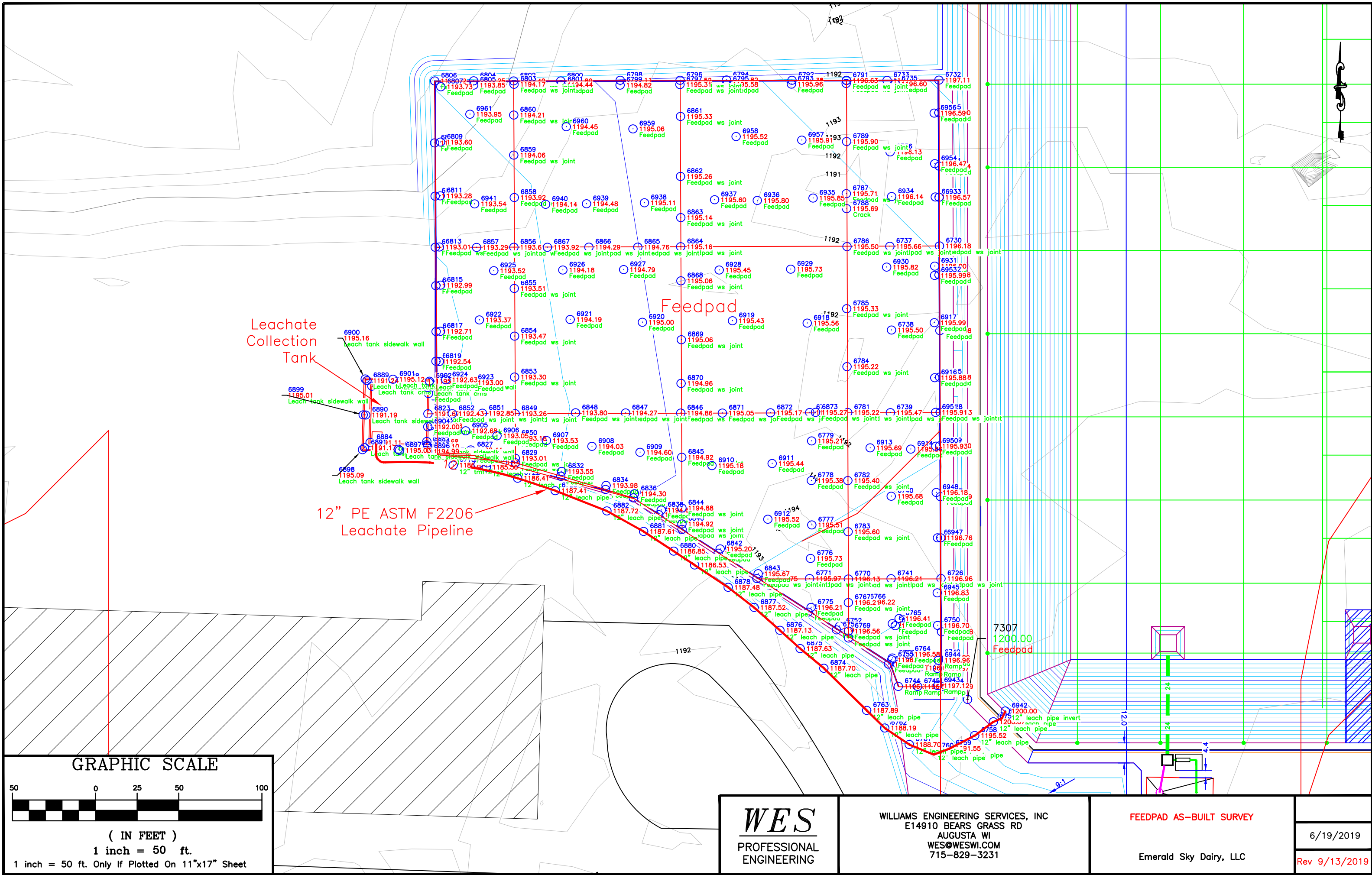


**WES**  
 PROFESSIONAL  
 ENGINEERING

WILLIAMS ENGINEERING SERVICES, INC  
 E14910 BEARS GRASS RD  
 AUGUSTA WI  
 WES@WESWI.COM  
 715-829-3231

Feedpad Map  
 As-Built 12" Leachate Pipe  
 Emerald Sky Dairy, LLC

6/19/2019  
 Rev 9/13/2019



**WES**

PROFESSIONAL  
ENGINEERING

WILLIAMS ENGINEERING SERVICES, INC  
E14910 BEARS GRASS RD  
AUGUSTA WI  
WES@WESWI.COM  
715-829-3231

FEEDPAD AS-BUILT SURVEY

Emerald Sky Dairy, LLC

6/19/2019

Rev 9/13/2019





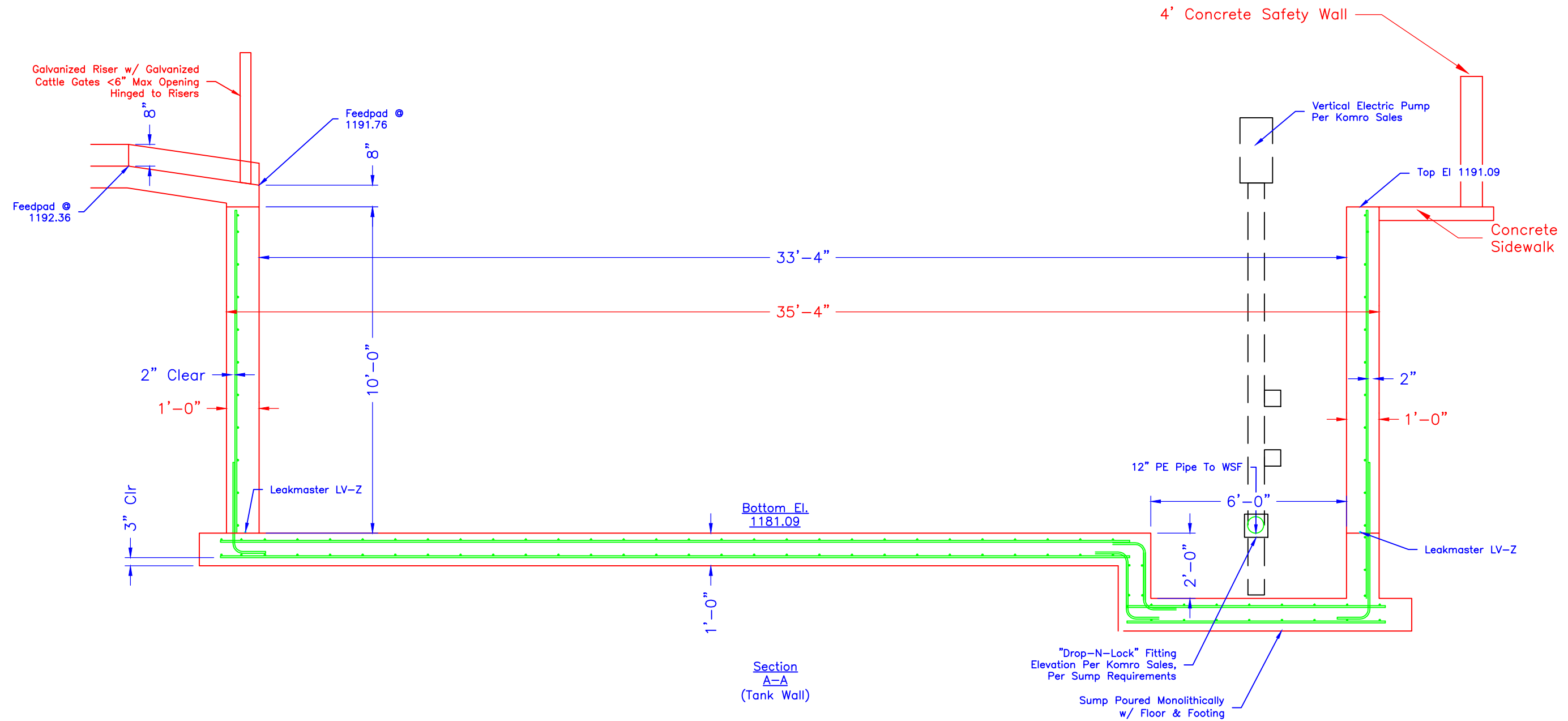


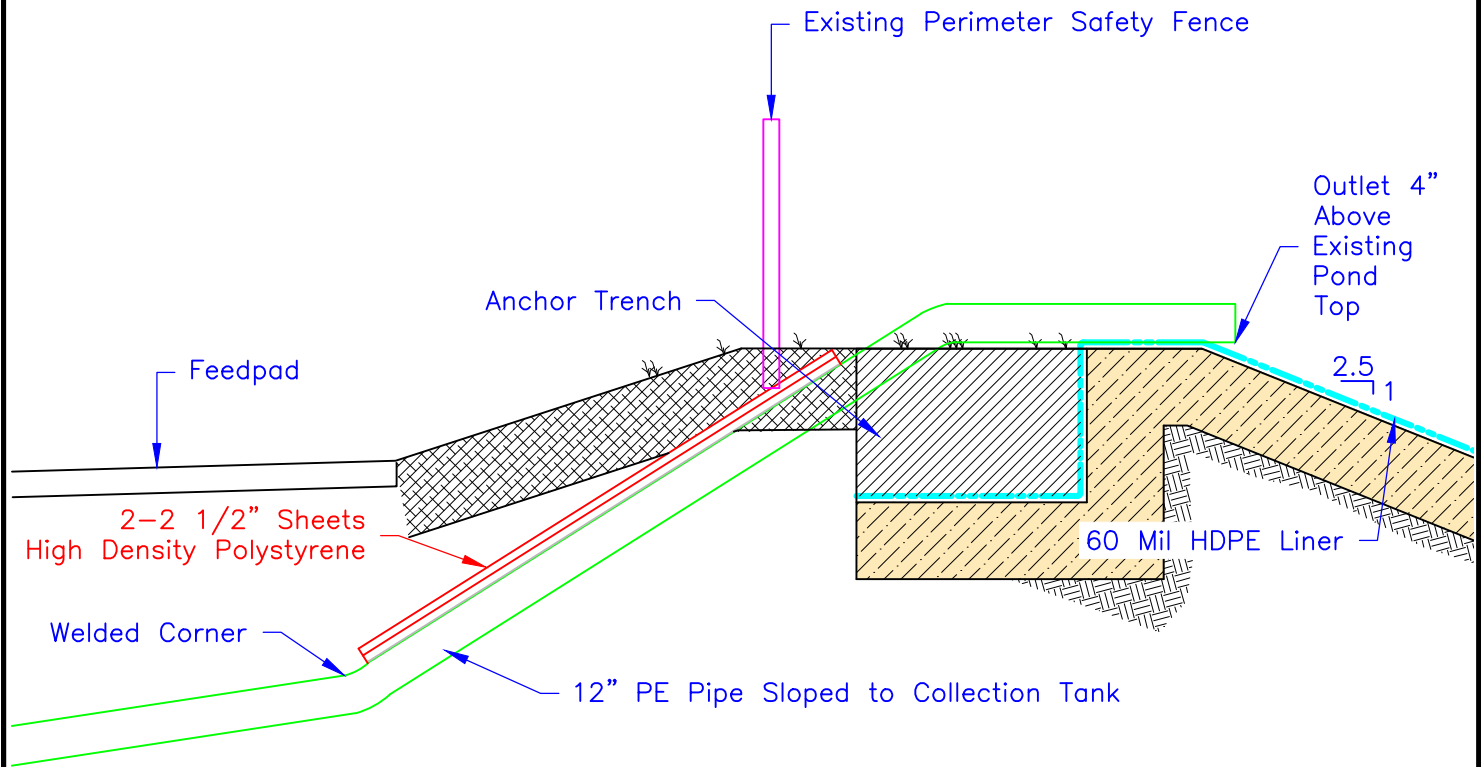
WILLIAMS ENGINEERING SERVICES, LLC  
E14910 BEARS GRASS RD  
AUGUSTA WI  
RONNIE.WILLIAMS@WFSWI.COM  
715-829-3231

FEEDLOT COLLECTION TANK  
CROSS SECTION AS-BUILT

EMERALD SKY DAIRY, LLC

	6/24/2019	
DATE	Revision	
9/4/2019	12" Tank Walls w/Concrete Sidewalk, 4' Safety Wall	





Pipe Bends Will Be Accomplished By Bending The Pipe Such That The Maximum Allowable Radius Curvature For The Pipe Is Not Exceeded

**WES**  
PROFESSIONAL  
ENGINEERING

WILLIAMS ENGINEERING SERVICES, LLC  
E14910 BEARS GRASS RD  
AUGUSTA WI  
RONNIE.WILLIAMS@WESWI.COM  
715-829-3231

Transfer Pipe Over Pond Top

As-Built

EMERALD SKY DAIRY, LLC

6/20/2019

Rev9/13/19

# **Concrete Testing**

## **Emerald Sky Dairy, LLC**

2487 County Highway G  
Emerald, WI 54013  
Section 22, Town 30N, Range 16W

### **2019 Feedpad & Runoff Collection**

Ronnie Williams, PE  
Williams Engineering Services, LLC  
E14910 Bears Grass Road  
Augusta, WI 54722  
(715) 829-3231

The enclosed pages are included to serve as a representation of files retained for the project.

Additional documentation is available upon request.

LOAD 1136	LEAVE PLANT 1141	ARRIVE JOB SITE	START UNLOADING	FINISH UNLOADING	LEAVE JOB SITE	ARRIVE PLANT
--------------	---------------------	-----------------	-----------------	------------------	----------------	--------------

**WARNING: CONCRETE MAY CAUSE BURNS TO EYES AND SKIN! SEE OTHER SIDE FOR SAFETY DATA SHEET.**

1. Warranties, Remedies and Limitations:

- Cemstone does not, under any circumstances, warrant the performance of concrete which is not adequately cured, is improperly handled and/or finished, or is not fit for the intended use after delivery/discharge to customers or for which the mix design was provided by a party other than Cemstone.
  - Cemstone does not warrant, under any circumstances, the final color shade or appearance of any architectural specified ready-mixed concrete finish.
2. Specifications: Ready-mixed concrete shipped shall generally conform to the current American Society for Testing Materials (ASTM) Standard Specification C94-17 Option A (except paragraph 6.4.2) unless otherwise specified in writing by Customer and agreed to by Cemstone.
3. All testing MUST be performed in accordance with the most recent version of the corresponding ASTM standard. When compressive strength testing is performed, the concrete MUST be sampled in accordance with ASTM C172, specimens MUST be cast and cured according to ASTM C31 and MUST be tested for compressive strength in accordance with ASTM C39.
4. The sole and exclusive liability of Cemstone for any defect in the accepted goods shall be limited to repairing or replacing the goods as Cemstone shall elect. The obligation to repair or replace the goods shall terminate two months after the delivery. Free unloading time up to 7 minutes per yard to be computed from arrival on job. Demurrage at \$2.20 per minute must be paid by the purchaser thereafter.

The concrete contained in this load has been manufactured to the industry tolerance for water/cement ratio. Adding additional water will change the properties of the concrete, including strength, shrinkage, color and bleed rate.

You should not add water if:

- \*the maximum water/cement ratio has been reached or
- \*the maximum slump has been obtained

\* WATER ADDED

Full LD \_\_\_\_\_ 2/3 LD \_\_\_\_\_ 1/3 LD \_\_\_\_\_

\* CHEMICAL ADMIXTURES ADDED

Full LD \_\_\_\_\_ 2/3 LD \_\_\_\_\_ 1/3 LD \_\_\_\_\_

**CUSTOMER REQUESTED**

chemical admixture  
increased slump

**INCHES ADDED**

**1" 2" 3" 4"**

Please circle inches  
added

CUSTOMER NAME IOMPD SALES & SERVICE INC	CUST. NO. 11196	TIME DUE 12:00	PROJECT NAME EMERALD DAIRY	ORDER NO. 164
--	--------------------	-------------------	-------------------------------	------------------

DELIVERY ADDRESS / DELIVERY/DRIVER INSTRUCTIONS

2487 CTY RD G EMERALD

CTY G EAST-HWY 65 SOUTH-CTY G EAST  
SOUTH DRIVEWAY

DATE / TICKET NO.

4718467

07/18/19



P.O. NO.	CUSTOMER JOB NO.
PLANT 23	TRUCK 701
DRIVER David Redden	USE AGRCULT
MAP PAGE	SLUMP REQUESTED 6
SLUMP METER READING @ PLANT 900	SLUMP METER READING ON ARRIVAL

LOAD QTY.	CUM. QTY.	ORD'D QTY.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT PRICE	AMOUNT
9.50	9.50	210.00	NRC52	CD 4000 3/4 FXA		
9.50	9.50	1.00	BW	TAKE BATCH WEIGHTS		
9.50	9.50	6.00	AE	Air Entrainment Admixt		

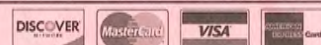


**COLOR SAMPLE** (CHECK BOX IF TAKEN)

**COD ORDERS: COLLECT CHECK, CASH OR CREDIT CARD (circle one)**

AMOUNT RECEIVED	CHECK NUMBER	RECEIVED BY

**RELEASE, WAIVER AND ASSUMPTION OF RISK BY OWNER / CONTRACTOR / SUBCONTRACTOR  
READ VERY CAREFULLY BEFORE SIGNING BELOW!**



Customer acknowledges receiving from Cemstone Products Company/Cemstone Ready Mix, Inc/Cemstone Concrete Materials, LLC (Cemstone) the Safety Data Sheet (SDS) for ready-mix concrete represented by this document being purchased & delivered. Customer understands the WARNINGS contained in the SDS and acknowledges releasing, defending, and indemnifying Cemstone, its affiliates, employees and representatives from any and all liability from claims or damages from any activities including the delivery and installation of the ready-mix concrete, that are under, or a result of, customers direction and/or control.

Customer further acknowledges that Cemstone is not liable for damage of any kind incurred by customers request that Cemstone move its concrete delivery truck or placing equipment past the curb line, right of way limits or onto private property. Customer understands that this request may involve hazardous activities or create hazardous conditions which exposes equipment, real property, third parties and customer to hazards which can result in property damage, bodily injury, illness, or death for which customer agrees to be responsible and pay, including any wrecker or tow truck fees. SIGNATURE OF RECEIPT - CONCRETE & WATER ADDED, CHEMICAL ADMIXTURES ADDED & ACKNOWLEDGEMENT OF WARNINGS

CUSTOMER AUTHORIZED SIGNATURE (to be signed PRIOR to Start of Placement) / DATE

PRINT NAME AND TITLE OF CUSTOMER'S AUTHORIZED REPRESENTATIVE

**CUSTOMER COPY**

# CERTIFICATE OF COMPLIANCE

Cemstone CRM  
1190 County Road G  
New Richmond, WI 54017

Plant: 023

CUSTOMER  
KOMRO SALES & SERVICE INC

Order# 164  
Job# ANDY 715-495-3055  
Batch Record: 07/18/2019

Ticket# 4718467  
S.P.#

PO#  
Bridge # ANDY 715-495-

Begin Time: 11:35 AM  
Volume: 9.50 CYDS

Mix ID: NRCS2

Mix Desc: 4000 3/4 FXA

Truck #: 701  
QTY Order: 210

Driver: David Redden  
QTY Del: 9.5

Loads: 1

Ingredient	Source	MCFac	AbsFac	OD	ABS	SSD	Free Mst	CYDS TARG	Target	Actual	Free Wat	Trim
SANDCAS	94025	0.040	0.008	1404 lb		1404	44.93	1449	13765 lb	13840	429 lb	
67CAS	94025	0.031	0.013	1786 lb		1786	32.15	1818	17272 lb	17140	303 lb	
CDCEMENT	CONDAIA			480 lb		480		480	4560 lb	4545		
FLYASH	PRAIRIE STATE			85 lb		85		85	808 lb	795		
CWWATER	COLD WELL			253 lb		253		176	1668 lb	1616	1616 lb	
MRWRA	AMPOL1020			3.0 /C		.0		17.0	161.0 oz	162.0	2.6 lb	
AEA	MAIR90			1.50 oz		1.50		1.50	14.25 oz	13.00	.06 lb	
RETARDER	BMSTDELVO			2.0 /C		.0		11.3	107.4 oz	105.0	.9 lb	100.0 %
HWWater	HOT WELL			.0 %		.0			.0 lb	.0		

Actual Num Batches: 1  
Total Water: 2,352 lb Design Water: 2403.5 lb To Add: 6.178 gl  
Design W/C: 0.448 Water/Cement: 0.440 A  
Slump: 6.00 in Water in Truck: 0.0 lb Adjust Water: 0.0 lb / Load Trim Water: 0.0 lb / CYDS

Plant Weather: Mostly Cloudy 76°F, 7 MPH Winds out of S, RH: 83%

Observation Time 11:18 AM

## CERTIFICATE OF COMPLIANCE

AIR CONTENT \_\_\_\_\_ AIR TEMP. \_\_\_\_\_ WATER ADDED @ PLANT \_\_\_\_\_ gl

CONCRETE TEMP. \_\_\_\_\_ SLUMP \_\_\_\_\_ WATER ADDED @ JOBSITE \_\_\_\_\_ gl

CYLINDER NO. \_\_\_\_\_ TIME DISCHARGED \_\_\_\_\_ TOTAL ACTUAL WATER \_\_\_\_\_ lb

LOCATION / PART of STRUCTURE \_\_\_\_\_

INSPECTOR SIGNATURE \_\_\_\_\_

PRODUCER SIGNATURE \_\_\_\_\_

LOAD	LEAVE PLANT	ARRIVE JOB SITE	START UNLOADING	FINISH UNLOADING	LEAVE JOB SITE	ARRIVE PLANT
	1147	1208				

WARNING: CONCRETE MAY CAUSE BURNS TO EYES AND SKIN! SEE OTHER SIDE FOR SAFETY DATA SHEET.

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\* CHEMICAL ADMIXTURES ADDED  
Full LD \_\_\_\_\_ 2/3 LD \_\_\_\_\_ 1/3 LD \_\_\_\_\_

CUSTOMER REQUESTED  
chemical admixture  
increased slump  
INCHES ADDED  
1" 2" 3" 4"  
Please circle inches added

CUSTOMER NAME	CUST. NO.	TIME DUE	PROJECT NAME	ORDER NO.
KOMRO SALES & SERVICE INC	11196	12:06	EMERALD DAIRY	164

DELIVERY ADDRESS / DELIVERY/DRIVER INSTRUCTIONS	DATE / TICKET NO.
2487 CTY RD G EMERALD	4718494 07/18/19

CTY G EAST-HWY 65 SOUTH-CTY G EAST  
SOUTH DRIVEWAY



P.O. NO.			CUSTOMER JOB NO.				
PLANT	TRUCK	DRIVER	USE	MAP PAGE	SLUMP REQUESTED	SLUMP METER READING @ PLANT	SLUMP METER READING ON ARRIVAL
23	943	DOUG CHILSON	AGRCULT		6		1000

LOAD QTY.	CUM. QTY.	ORD'D QTY.	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT PRICE	AMOUNT
9.50	19.00	180.00	NRCS2	CD 4000 3/4 FXA		
9.50	19.00	1.00	BW	TAKE BATCH WEIGHTS		
9.50	19.00	6.00	AE	Air Entrainment Admixt		

☐ COLOR SAMPLE (CHECK BOX IF TAKEN)

COD ORDERS: COLLECT CHECK, CASH OR CREDIT CARD (circle one)

AMOUNT RECEIVED	CHECK NUMBER	RECEIVED BY

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# CERTIFICATE OF COMPLIANCE

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1190 County Road G  
New Richmond, WI 54017

Plant: 023

CUSTOMER  
KOMRO SALES & SERVICE INC

Order# 164  
Job# ANDY 715-495-3055  
Batch Record: 07/18/2019

Ticket# 4718494  
S.P.#

PO#  
Bridge # ANDY 715-495-

Begin Time: 11:39 AM  
Volume: 9.50 CYDS

Mix ID: NRCS2

Mix Desc: 4000 3/4 FXA

Truck #: 943  
QTY Order: 180

Driver: DOUG CHILSO  
QTY Del: 19

Loads: 2

Ingredient	Source	MCFac	AbsFac	OD	ABS	SSD	Free Mst	CYDS TARG	Target	Actual	Free Wat	Trim
SANDCAS	94025	0.040	0.008	1404	lb	1404	44.93	1449	13765 lb	13800	428 lb	
67CAS	94025	0.031	0.013	1786	lb	1786	32.15	1818	17272 lb	17220	304 lb	
CDCEMENT	CONDAIA			480	lb	480		480	4560 lb	4555		
FLYASH	PRAIRIE STATE			85	lb	85		85	808 lb	840 +		
CWWATER	COLD WELL			253	lb	253		176	1668 lb	1624 -	1624 lb	
MRWRA	AMPOL1020			3.0	/C	.0		17.0	161.0 oz	159.0	2.6 lb	
AEA	MAIR90			1.50	oz	1.50		1.50	14.25 oz	14.00	.06 lb	
RETARDER	BMSTDELVO			2.0	/C	.0		11.3	107.4 oz	105.0	.9 lb	100.0 %
HWWATER	HOT WELL			0	%	0			.0 lb	.0		

Actual Num Batches: 1  
Total Water: 2,360 lb Design Water: 2403.5 lb To Add: 5.204 gl  
Design W/C: 0.448 Water/Cement: 0.437 A  
Slump: 6.00 in Water in Truck: 0.0 lb Adjust Water: 0.0 lb / Load Trim Water: 0.0 lb / CYDS

Plant Weather: Mostly Cloudy 77°F, 7 MPH Winds out of S, RH: 82%

Observation Time 11:33 AM

## CERTIFICATE OF COMPLIANCE

AIR CONTENT \_\_\_\_\_ AIR TEMP. \_\_\_\_\_ WATER ADDED @ PLANT \_\_\_\_\_ gl  
CONCRETE TEMP. \_\_\_\_\_ SLUMP \_\_\_\_\_ WATER ADDED @ JOBSITE \_\_\_\_\_ gl  
CYLINDER NO. \_\_\_\_\_ TIME DISCHARGED \_\_\_\_\_ TOTAL ACTUAL WATER \_\_\_\_\_ lb  
LOCATION / PART of STRUCTURE \_\_\_\_\_  
INSPECTOR SIGNATURE \_\_\_\_\_  
PRODUCER SIGNATURE \_\_\_\_\_

# **Bound Diary Notes**

(The Attached Notes Are A Sample Of The Notes Taken. Additional information available upon request)

## **Emerald Sky Dairy, LLC**

2487 County Highway G  
Emerald, WI 54013  
Section 22, Town 30N, Range 16W

## **2019 Feedpad & Runoff Collection**

Ronnie Williams, PE  
Williams Engineering Services, LLC  
E14910 Bears Grass Road  
Augusta, WI 54722  
(715) 829-3231

IF FOUND PLEASE RETURN TO:

NAME Doug Row

COMPANY Williams Engineering

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE \_\_\_\_\_

6-24-19 / 8-1-19

# JOB BOOK

PROJECT NAME Emerald Sky

PROJECT NUMBER Feed Pad

CREW \_\_\_\_\_

DATE \_\_\_\_\_ BOOK # \_\_\_\_\_ OF \_\_\_\_\_

WEATHER \_\_\_\_\_



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Fax 1.800.543.4203

www.forestry-suppliers.com

Stock No. 49365

45 yds Pump Tank Footing 6-25-19

Start 9:20 am  
Finish 10:40 am

Air Temp 68°

Conc. Temp 73°

3-cylinders 4"

1-A

2-A

3-A

Leroy w/ Komro Job Foreman

- Reminded him to spray white pigment within 24hrs
- No pigment on site

6-26-19

52 yds Pump Tank Walls  
Start 3:00 pm

250 yds 7-3-19

- Partly Cloudy  
- Breezy

#2 NORTH Section of  
Feed pad

Test Time 5:15 pm

Air Temp 83°

Concrete Temp 77°

Slump 5 1/4"

Air % 5.8%

3- 8" cylinders

1-A

2-A

3-A

Pour Start Time 3:20 pm

- Arrived at jobsite at 1:30 pm
- Pump Truck arrived at 3:00 pm
- Had them lower re-bar along waterstop joint < 1" from surface of concrete

Pump Truck  
7-5-19

Cloudy

#4 NORTH East Section  
of Feed pad

Start Time 8:10

Test Time 9:30

Finish Time 9:45

Air Temp 77°

Concrete Temp 81°

Air % 7.25%

Slump 5 1/2"

260 yds

Both 3- 8" cylinders

1-A

2-A

3-A

#1 NORTH West Section  
Feed Pad

Start Time 10:15 am

Finish Time 12:10 pm

250yds 7-6-19 Cloudy  
pump truck #3 NORTH Feedpad  
Section

Start 6:40am  
Air Temp 67°  
Concrete Temp 76°  
Slump 5 1/4"  
AIR % 6%  
Cylinders Time 8:30am  
3- 8" cylinders  
1-A  
2-A  
3-A

Finish 9:00am

- Arrived at 6:20am
- Had them clean waterstop better
- everything else looks good
- applying pigment on truss screen half as they go

230yds 7-8-19 Mostly Sunny breezy  
Pump truck #7 ~~7~~ Middle Row Feedpad  
Section

Start 12:05pm  
Air Temp 83°  
Concrete Temp 85°  
Slump 6"  
AIR % 7%  
Cylinder Time 2:10  
3- 6" Cylinders  
1-A  
2-A  
3-A

Finish 3:28pm

- change mix design to 6" slump
- arrived at 11:45am
- 1:20 pm increase slump to 6" getting too dry at 85yds  
~ 2 1/2 passes
- Improved dry capping
- added retarder at about 95yds at plant

133 yds

7-9-19

Mostly Sunny  
Breezy

#8 Section Middle Row

Pump  
Truck

East End

Start 8:10 am

Air Temp 76°

Conc Temp 77°

Slump 7 1/4"

Air % = 6.75%

Test Time 9:30 am

3 - 6" cylinders

1-A

2-A

3-A

Finish 10:05

- Found large gap in rebar along West edge along waterstop, had them extend rebar over to within 2" of waterstop and put in 4-#6 rebars parallel with waterstop.
- see photos -
- found insufficient chairing in area had them improve

250 yds

7-11-19

Sunny  
lt. breezePump  
Truck #6Section Middle Row  
(West)

Start Time 9:40

Air Temp 70°

Truck #943 Test Time 12:15

Concrete Temp 69°

Slump 5"

Air % 5.75%

3 - 6" cylinders

1-A

2-A

3-A

- clean water stop a little better

- little bit of mud

- Arrive at 8:45 am

220 yds

7-12-19

Sunny  
lt. breeze

#10 section 3rd row

Start time 9:50 am

Air Temp 84°

Truck 885 Test Time 1:20 pm

Conc Temp 69°

Slump 6 3/4"

Air % 6.5%

3- 6" cylinders

1-A 2-A-3A

Finish Time 2:00 pm

130 yds

cloudy #5 section 2nd row  
by tank

Start Time 2:30 pm

Air Temp 80°

Concrete Temp 69°

Finish Time 4:15 pm

This section has Leakmaster  
under edge going into receiving  
tank. Inspected and was  
cured + dry.

Cloudy

7-17-19

Pump  
Truck

134 yds #12 section 3rd row

Start time 10:00 am

Air Temp 76°

Truck #688 Concrete Test 12:10 pm

Concrete Temp 66°

Slump 6 3/4"

Air % 5.75%

3- 6" cylinders

1-A, 2-A, 3-A

Finish Time 12:10 pm

21  
yds#14 section 4th row  
small pie shape

Start 12:10 pm

Finish 12:45 pm

35  
yds

#9 section 3rd row by tank

start 12:45 pm

Finish 1:15 pm

This section has Leakmaster  
under edge going into receiving  
tank. Inspected and was  
cured + dry

Pump  
Truck

7-18-19

Cloudy  
76°

#13 Entrance Ramp Area

47 yds

Start Time 12:05 pm

Air Temp 76°

Finish Time 12:45 pm

#10 Feed Slab 3rd Row

Start Time 1:10 pm

Finish Time 3:30 pm

Track  
#702

Test Time 2:55 pm

Air Temp 77°

Concrete Temp 68°

Slump 6 3/4"

Air % 5.5%

3- 6" cylinders

1-A, 2-A, 3-A

Josh - foreman

8-1-19

Installed by  
Komro

Installing 12" HOPE welded  
Line from Leachate Tank  
to LMSA #2

- Had to install 12" Repair  
coupler at the connection  
at the SW corner of  
Leachate Collection Tank  
- this was due to  
the angle of the connection and not enough room  
to fuse weld

- Surveyed depth and  
location of pipeline

- Last 24' before pipe  
comes out of the ground  
at LMSA #2 has 4" of  
styrofoam on top of it.

# Photos

## **Emerald Sky Dairy, LLC**

2487 County Highway G  
Emerald, WI 54013  
Section 22, Town 30N, Range 16W

## 2019 Feedpad & Runoff Collection

Ronnie Williams, PE  
Williams Engineering Services, LLC  
E14910 Bears Grass Road  
Augusta, WI 54722  
(715) 829-3231



DSCF8001



DSCF8002



DSCF8003



DSCF8004



DSCF8005



DSCF8006



DSCF8007



DSCF8008



DSCF8009



DSCF8010



DSCF8011



DSCF8012



DSCF8013



DSCF8014



DSCF8015



DSCF8016



DSCF8017



DSCF8041



DSCF8042



DSCF8043



DSCF8044



DSCF8045



DSCF8046



DSCF8047



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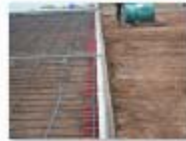
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DSCF8137



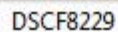
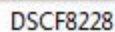
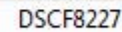
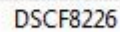
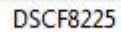
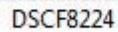
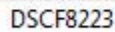
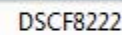
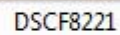
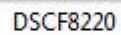
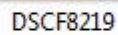
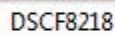
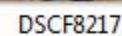
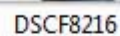
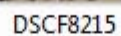
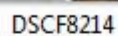
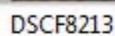
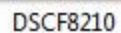
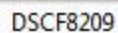
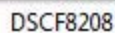
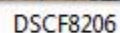
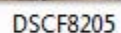
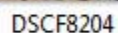
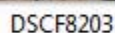
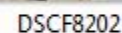
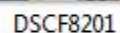
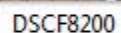
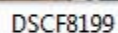
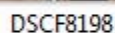
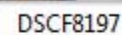
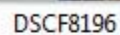
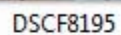
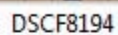
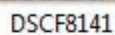
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20190816\_163411



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# Correspondence

## **Emerald Sky Dairy, LLC**

2487 County Highway G  
Emerald, WI 54013  
Section 22, Town 30N, Range 16W

## 2019 Feedpad & Runoff Collection

Ronnie Williams, PE  
Williams Engineering Services, LLC  
E14910 Bears Grass Road  
Augusta, WI 54722  
(715) 829-3231

## Kelly Jacobs

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**From:** Wheat, Gretchen S - DNR <Gretchen.Wheat@wisconsin.gov>  
**Sent:** Tuesday, July 09, 2019 12:45 PM  
**To:** Kelly Jacobs  
**Cc:** Jackson, Jeffrey L - DNR; Michaud, Bernard J - DNR; Woodrow, Matthew C - DATCP; steve.olson@co.saint-croix.wi.us  
**Subject:** RE: Feed Pad Construction at Emerald Sky Dairy, LLC

Kelly – This follows up on my phone call to you today. As I explained, I have reviewed the submitted information titled Addendum #1 to the Original Construction Plan, prepared under certification by Ronnie Williams, which describes certain proposed modifications to the approved plans for WDNR Project # R-2017-0154. Based on my review, the proposed modifications are not significant enough to warrant submittal via the WDNR's e-Permitting System, and formal approval.

This email from me serves as documentation of my decision in this matter. I'll add this email string and the submitted information to the project file. Thank you.

**We are committed to service excellence.**

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

**Gretchen Wheat, P.E.**

Water Resources Engineer – CAFO / WPDES Permitted Farm Program  
Runoff Management Section, External Services Division  
Wisconsin Department of Natural Resources  
(608) 264-6273; [Gretchen.Wheat@Wisconsin.gov](mailto:Gretchen.Wheat@Wisconsin.gov)



[dnr.wi.gov](http://dnr.wi.gov)



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**From:** Kelly Jacobs <[kelly.jacobs@weswi.com](mailto:kelly.jacobs@weswi.com)>  
**Sent:** Tuesday, June 25, 2019 12:10 PM  
**To:** Jackson, Jeffrey L - DNR <[Jeffrey.Jackson@wisconsin.gov](mailto:Jeffrey.Jackson@wisconsin.gov)>  
**Cc:** [Steve.Olson@sccwi.gov](mailto:Steve.Olson@sccwi.gov); 'Todd Tuls' <[todd@tulsdairies.com](mailto:todd@tulsdairies.com)>; Ronnie Williams <[ronnie.williams@weswi.com](mailto:ronnie.williams@weswi.com)>  
**Subject:** Feed Pad Construction at Emerald Sky Dairy, LLC

Good afternoon,

As outlined on the as-built completion certification statement dated December 21, 2018 for Emerald Sky Dairy, LLC, the proposed concrete feedpad, concrete calf lot, and heifer lot runoff collection systems were not yet constructed at that time. Today I am writing to inform you that construction is now resuming for the Emerald Sky feed pad construction as outlined in the WPDES Permit # WI-0059315 issued November 10, 2017 (DNR File Reference R-2017-0154B). Emerald Sky Dairy, LLC is not planning to construct the calf hutch area (concrete calf lot and heifer lot runoff collection systems) that were originally proposed (North of the TMF building) as the calves will instead be raised off site. Because of that change in management, the feed pad runoff is being re-routed directly to the HDPE waste storage facility. Attached is Addendum #1 to the Original Construction Plan which outlines the details of this modification. Please contact Ronnie Williams directly at 715-829-3231 with any questions you may have on this construction activity.

Thank you,

Kelly Jacobs  
Senior Environmental Scientist

Williams Engineering Services, LLC  
E14910 Bears Grass Rd, Augusta, WI 54722  
O: 715-286-5726 C: 715-429-0563  
[Kelly.Jacobs@weswi.com](mailto:Kelly.Jacobs@weswi.com)

# **Original Construction Plan**

## **Emerald Sky Dairy, LLC**

2487 County Highway G  
Emerald, WI 54013  
Section 22, Town 30N, Range 16W

## **2019 Feedpad & Runoff Collection**

Ronnie Williams, PE  
Williams Engineering Services, LLC  
E14910 Bears Grass Road  
Augusta, WI 54722  
(715) 829-3231

## Addendum to Construction Plans

Emerald Sky Dairy, LLC

6/24/2019

Williams Engineering Services, LLC

This Addendum Includes The Following Changes To The Construction Plan Dated 8-10-2017.

### Original Construction Plan Revisions

Site Drawings: "Waste Storage Facility, Waste Transfer System, Feed Pad Collection System & Site Expansion"

- New Collection Tank Location Map – added as page
  - Show accurate 12" pipe location
- New Collection Tank Cross Section – added as page
  - Callout sump pump for Komro sales
- New Collection Tank Top View – added as page
  - Annotate wall and feedpad elevations
  - Includes fencing typical detail
- New 10' Wall Details – added as page
  - Annotate rebar sizing and spacing
  - Annotate LV-Z sealant
- New Pipe Over Pond Top Detail – added as page
  - Locate thrust block for securing 12" PE pipe



**CONSTRUCTION PLAN:**  
Emerald Sky Dairy, LLC

Construction Drawings for  
Proposed Runoff Collection and Waste Storage Facility Improvements

2487 County Road G  
Emerald, WI 54013  
Todd Tuls: (402) 366-0363

DIGGER'S HOTLINE  
<http://www.diggershotline.com>

Call 3 Work Days  
Before You Dig!  
Toll Free  
1-800-242-8511  
or  
811



NOT TO  
SCALE



LOCATION MAP

I hereby certify that  
this plan was prepared  
by me and that I am  
a duly licensed  
Professional Engineer  
under the laws of the  
State of Wisconsin.



To the best of my  
professional knowledge  
judgement, and belief  
this design and these  
construction plans  
meet the NRCS and  
WDNR standards listed  
on this sheet.

**NOTICE TO LANDOWNERS AND CONTRACTORS REGARDING UTILITIES:**

No representation is made as to the existence or nonexistence of underground hazards. Prior to the start of construction the owners of utilities must be notified of the pending construction. You will be liable for damages resulting from construction activities. (Call Diggers Hotline)

**CONSTRUCTION DRAWINGS AND SPECIFICATIONS ACCEPTANCE**

I/We have reviewed and do accept the attached plans. I/We agree to have this project constructed in accordance with these construction plans, operation and maintenance and specifications and to notify all affected utility companies.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

WILLIAMS ENGINEERING SERVICES, LLC  
E14910 BEARS GRASS RD  
AUGUSTA WI 54722  
Ronnie Williams, PE WI #35284  
Cell # (715) 829-3231

\*Site  
St. Croix County



**\*Site Location Information:**

Address: 2487 County Road G, Emerald, WI 54013  
County: St. Croix  
Township: Town of Emerald  
Township: 30N  
Range: 16W  
Section: 22

**NRCS Conservation Practice Standards:**

- 313 Waste Storage Facility (1/14)
- 342 Critical Area Planting (1/13)
- 360 Waste Facility Closure (3/13)
- 382 Fence (1/14)
- 412 Grassed Waterway (8/15)
- 533 Pumping Plant (7/11)
- 560 Access Road (10/14)
- 561 Heavy Use Area (8/15)
- 606 Subsurface Drain (3/14)
- 634 Waste Transfer (1/14)

**Construction Specifications:**

(See Specifications Section For These Documents)

- USDA-NRCS Wisconsin - 1. Clearing (5/12)
- USDA-NRCS Wisconsin - 2. Excavation (5/12)
- USDA-NRCS Wisconsin - 3. Earthfill (5/12)
- USDA-NRCS Wisconsin - 4. Concrete (3/15)
- USDA-NRCS Wisconsin - 5. Construction Site Pollution Control (5/12)
- USDA-NRCS Wisconsin - 7. Mobilization and Demobilization (5/12)
- USDA-NRCS Wisconsin - 8. Drainfill (5/12)
- USDA-NRCS Wisconsin - 9. Rock RipRap (11/11)
- USDA-NRCS Wisconsin - 10. Fences (3/15)
- USDA-NRCS Wisconsin - 13. GeoTextiles (5/10)
- USDA-NRCS Wisconsin - 14. Timber Fabrication and Installation (9/10)
- USDA-NRCS Wisconsin - 15. Plastic Pipe Conduits (4/9)
- USDA-NRCS Wisconsin - 24. Construction Surveys (5/12)
- USDA-NRCS Wisconsin - 26. Topsoiling (5/12)
- USDA-NRCS Wisconsin - 44. Corrugated Polyethylene Tubing (5/12)
- USDA-NRCS Wisconsin - 202. Polyethylene Geomembrane Lining (9/12)
- USDA-NRCS Wisconsin - 204. Earthfill for Waste Storage Facilities (10/12)
- USDA-NRCS Wisconsin - 300. Clay Liner (3/15)

**Relevant WDNR Conservation Practice Standards:**

- NR-213 Wisconsin DNR - Lining of Industrial Lagoons and Design of Storage Structures (7/15)
- NR-243 Wisconsin DNR - Animal Feeding Operations (7/15)
- 1001 Wet Pond (10/7)
- 1052 Non-Channel Erosion Mat (8/03)
- 1053 Channel Erosion Mat (12/04)
- 1056 Silt Fence (3/06)
- 1057 Stone Tracking Pad and Tire Washing (8/03)
- 1059 Seeding for Construction Site Erosion Control (11/03)
- 1060 Storm Drain Inlet Protection for Construction Sites (7/14)
- 1061 Dewatering (4/07)
- 1062 Ditch Check (3/06)
- 1063 Sediment Trap (9/05)
- 1064 Sediment Basin (3/06)
- 1067 Temporary Grading Practices for Erosion Control (3/04)
- 1068 Dust Control on Construction Sites (3/04)

# Permits

## **Emerald Sky Dairy, LLC**

2487 County Highway G  
Emerald, WI 54013  
Section 22, Town 30N, Range 16W

## 2019 Feedpad & Runoff Collection

Ronnie Williams, PE  
Williams Engineering Services, LLC  
E14910 Bears Grass Road  
Augusta, WI 54722  
(715) 829-3231



November 10, 2017

File Ref: R-2017-0154B  
WD PES Permit # WI-0059315

Todd Tuls  
Emerald Sky Dairy  
2670 D Road  
Rising City, NE 68658

Subject: Conditional Approval of Plans & Specifications for a Feed Storage Facility, Feed Leachate & Runoff Collection Systems, & Animal Lot Runoff Collection Systems, & Abandonments of an Animal Lot (Calf Hutch Lot) & a Tank (Heifer Barn Tank) at Emerald Sky Dairy, 2487 County Rd. G, Emerald, Sec. 22, NE¼ of NE¼, T30N, R16W, Town of Emerald, St. Croix County

Dear Mr. Tuls:

The Division of External Services of the Wisconsin Department of Natural Resources (DNR) hereby issues a partial conditional approval of the above-referenced plans and specifications, submitted by Ronnie Williams, P.E., Williams Engineering Services, LLC (WES) received August 14, 2017. The plans and specifications were deemed to be substantially complete as of the received date. DNR also reviewed additional information requested by St. Croix County, received by DNR October 5, 2017.

Other portions of the project were approved October 11, 2017 (DNR Project# R-2017-0154A) including abandonment of an existing Waste Storage Facility (WSF), two new WSFs, abandonment of certain existing Transfer Systems, and a new Solids Stacking Pad, all to have been completed in fall 2017.

Construction is approved to commence for a period of two years from the approval date. If work will commence later, or will occur over a longer period without continuous work (other than due to weather) a new written approval must be obtained. Questions may be directed to DNR animal waste specialist Leah Nicol, or DNR review engineer Gretchen Wheat. (Contact information is at the end of this letter.)

**COMPLIANCE & PROJECT SUMMARY:** DNR review was performed in accordance with s. 281.41 Wis. Stats., and s. NR 243.15, Wis. Adm. Code. NRCS Standards and Construction Specifications are referenced in the plans and specifications are therefore part of this approval, although only primary NRCS Standards may be referenced herein. Clean stormwater will be routed around waste handling areas.

**Proposed West Feed Storage Area (FSA):** The proposed West FSA consists of water-tight concrete slabs and walls, with embedded water-stop in all joints, designed in accordance with NRCS 629 (1/17). This will comply with s. NR 243.15(9), Wis. Adm. Code (Feed Storage) if adequate storage is provided for all process wastewater and collected runoff, and the following criteria regarding feed leachate and runoff control are met.

Feed leachate and contaminated runoff must be managed to prevent pollutants from reaching navigable surface waters (up to the 25-yr, 24-hr storm) and prevent exceedances of groundwater quality standards, as required by ss. NR 243.13(1) and (2)(a), Wis. Adm. Code. (The method by which this requirement is complied with is described in Proposed Runoff Collection Systems, below.)

The proposed West FSA will be constructed in the southwest area of the site, immediately west of the new HDPE lined WSF. The site also has an existing FSA (East FSA, located in the northeast corner of the site).

**Proposed Runoff Collection Systems:** Three runoff collection systems are proposed (described in #1-3, below). The proposed runoff collection systems are comprised of waste transfer components which are designed in accordance with NRCS 634 (1/14). This complies with s. NR 243.15(4), Wis. Adm. Code (Transfer Systems).

From the animal lots (calf hutch lot and heifer lot) all manure and runoff (up to the 25-yr, 24-hr storm) will be collected; from the proposed and existing FSAs, all feed leachate and runoff (up to the 25-yr, 24-hr storm) will be collected; and collected waste will be stored in the new WSFs, and will be land applied in accordance with an approved Nutrient Management Plan. This complies with ss. NR 243.15(2) and 243.15(9), Wis. Adm. Code (Runoff Control, and Feed Storage).

**#1 – Proposed West Runoff Collection System (for proposed West FSA & new Calf Hutch Lot):** A proposed pipe and pump will be used in conjunction with the existing Transitional Management Facility Tank (TMF Tank). From the proposed West FSA and new Calf Hutch Lot, runoff will gravity flow to the TMF Tank (north of the TMF barn) and be pumped through a new 12 inch ASTM F714 polyethylene pipe to the new concrete lined WSF. The new Calf Hutch Lot will consist of a water-tight concrete slab. The Calf Hutch Lot size is presented as an east area (32,424 ft<sup>2</sup>) and a west area (23,740 ft<sup>2</sup>) sloped toward each other, to drain out the middle. The existing Calf Hutch Lot is located southeast of the TMF barn, and will be abandoned. (See Abandonment, below.)

**#2 – Proposed East Runoff Collection System (for Existing East FSA):** The system will consist of a proposed pipe and tank (East FSA Tank). From the existing East FSA, runoff will gravity flow to the East FSA Tank, and then will gravity flow through a new 24 inch ASTM F714 polyethylene pipe to the new concrete lined WSF.

**#3 – Proposed Heifer Lot Runoff Collection System (for Existing Heifer Lot):** The system consists of a proposed pipe, pump and tank (Heifer Lot Tank). From the existing Heifer Lot (6,600 ft<sup>2</sup>) runoff will gravity flow to the Heifer Lot Tank and be pumped through a new 8 inch diameter ASTM F714 polyethylene pipe to the new concrete lined WSF1. The existing Heifer Lot will remain in its current location, adjacent to the existing Heifer Barn, and the proposed Heifer Lot Tank will be located west of the Heifer Barn. The Heifer Lot Tank will serve both the Heifer Lot and Heifer Barn, and will be constructed in a wedge-shape of cast in-place reinforced concrete. The existing Heifer Barn Tank will be abandoned. (See Abandonment, below.)

**Abandonment of Existing Facilities:** The existing Calf Hutch Lot and existing Heifer Lot Tank will be abandoned. The submittal references NRCS 360 (3/13) for abandonment. This complies with s. NR 243.17(7)(a), Wis. Adm. Code.

**Days of Storage for Manure & Co-Mingled Wastewater:** After completion of the entire project (approved herein, and on October 11, 2017) the farm will have increased waste collection, and increased waste storage capacity. The new waste collection areas consist of the following:

- #1 – Proposed West FSA (88,993 ft<sup>2</sup>) and new Calf Hutch Lot (56,164 ft<sup>2</sup>).
- #2 – Existing East FSA (176,159 ft<sup>2</sup>).
- #3 – Existing Heifer Lot (6,600 ft<sup>2</sup>).
- Previously approved new Solids Stacking Area (8,790 ft<sup>2</sup>).

The total waste generation is estimated at 30.0 million gallons per year. The two new WSFs will have a combined total of 33.1 million gallons capacity to the top, and 30.0 million gallons to the maximum operating levels (MOLs), which will provide approximately 1 year of storage. DNR did not confirm the specific reported days of storage, but did confirm the farm will have far greater than 180 days of storage. This complies with s. NR 243.15(3)(i) to (k), Wis. Adm. Code.

**BACKGROUND:** This is an existing livestock operation that houses greater than 1,000 Animal Units, and has a Concentrated Animal Feed Operation (CAFO) WPDES Permit which was re-issued July 1, 2015. The farm recently came under new ownership. Currently the site has 1,500 milking cows, 200 dry cows, 250 heifers and 350 calves. A minor expansion is under consideration, but the previously proposed significant expansion is no longer being planned at this time. The plans and specifications for the portions of the project approved herein are intended to address compliance concerns identified by the owner, and improve overall operation, and were not submitted in response to permit schedule requirements or enforcement.

**SITE DESCRIPTION:** The production area is on an approximately 310 acre site. Site surface water drains primarily south and southwest. Much of the stormwater runoff from the site flows to an existing stormwater runoff pond located near the southern part of the facility via swales and constructed embankments. The stormwater pond currently receives contaminated runoff from the feed pad and calf hutch area.

The submittal reports no karst or sinkhole features were located during field observation, or upon review of available geological maps and GIS maps produced by WES utilizing current DNR and St. Croix County ArcGIS layers. There are two on-site groundwater supply wells, both of which are greater than 250 feet from the proposed facilities and systems.

A wetland delineation of the site was completed by a DNR Assured Wetland Delineator (Timothy D. King). Mapped wetlands exist immediately west and southwest of production area, and influenced the choice to locate proposed facilities in the east portion of the site. The submittal reports one mapped wetland in the production area was filled. The proposed facilities are not within the existing or filled wetland areas.

**SOIL INVESTIGATIONS:** In July 2017, WES performed test pits at the site. The site topsoil is primarily silt loam. Subsoils are varied from fine to coarse grained. Bedrock was not observed in any of the test pits. No saturation was observed in the test pits in the area of the proposed facilities approved herein. Sufficient separation from saturation and bedrock is demonstrated for the proposed facilities approved herein.

**CONDITIONS OF APPROVAL:** The plans and specifications for DNR Project# R-2017-0154B are hereby approved, subject to chs. NR 151 and NR 243, Wis. Adm. Code, and the conditions listed below.

1. **Notification:** Prior to construction and when construction is complete, notify the DNR regional contact and county contact. (Contact information is in the cc list at the end of this letter.)
2. **Inspection:** During the construction of critical components, inspection shall be performed by a Wisconsin registered professional engineer or other qualified third party (excludes the owner and construction contractor and their employees). NRCS Standards and Wisconsin Construction Specifications contain certain third party inspection requirements.
3. **Post-Construction Documentation:** Within 60 days of completing construction, submit to the DNR e-Permit website (<http://dnr.wi.gov/permits/water>) the post-construction report, and send one paper copy to the DNR regional contact. The report shall comply with s. NR 243.15(10), Wis. Adm. Code. The post-construction report shall include scaled drawings of the constructed facility, and documentation that construction has complied with the approved plans and specifications, and applicable design standards.

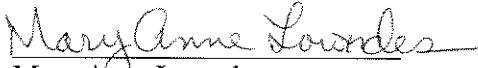
*Note: Design change without prior approval is a violation of ch. NR 243 and the WPDES Permit. If the owner is contemplating design changes, please contact the DNR review engineer.*

**LIMITATION OF APPROVAL:** The DNR reserves the right to order changes or additions should conditions arise making this necessary. This approval is not to be construed as a DNR determination on the issuance of a Wisconsin Pollutant Discharge Elimination System Permit or opinion as to the ability of the proposed system to comply with effluent limitations in such a permit, approval of an Environmental Impact Statement that may be prepared, or approval for any activities requiring a permit under chs. 30 or 31, Wis. Stats. Where necessary, plans and specifications should be submitted to the Department of Safety and Professional Services or other state or local agencies to ensure conformance with their requirements.

**TAX TREATMENT:** Tangible personal property, that becomes part of a waste treatment of pollution abatement plant or equipment, may be exempt from sales tax under s. 77.45(26), Wis. Stats. Similarly, property purchased or constructed as a waste treatment facility and used for industrial waste treatment may be exempt from general property taxes under s. 70.11(21), Wis. Stats. A prerequisite to exemption is filing a statement on prescribed forms. To obtain forms and information, please contact the Department of Revenue, P.O. Box 8933, Madison, WI 53708, or check their website <http://www.revenue.wi.gov/>.

**APPEAL NOTICE:** If you believe that you have a right to challenge this decision, you should know that the Wisconsin statutes and Administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review must name the Department of Natural Resources as the respondent. To request a contested case hearing pursuant to s. 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. All requests for contested case hearings must be made in accordance with s. NR 2.05(5), Wis. Adm. Code, and served on the Secretary in accordance with s. NR 2.03, Wis. Adm. Code. The filing of a request for a contested case hearing does not extend the 30 day period for filing a petition for judicial review.

STATE OF WISCONSIN  
DEPARTMENT OF NATURAL RESOURCES  
FOR THE SECRETARY



Mary Anne Lowndes  
Chief, Runoff Management Section  
Bureau of Watershed Management



Gretchen Wheat, P.E.  
Engineer, Runoff Management Section  
Bureau of Watershed Management

Email cc: Ronnie Williams, P.E. – WES  
[wes@chipvalley.com](mailto:wes@chipvalley.com); (715) 286-3231  
Steve Olson – St. Croix County LCD  
[steve.olson@co.saint-croix.wi.us](mailto:steve.olson@co.saint-croix.wi.us); (715) 531-1909  
Matthew Woodrow, P.E. – DATCP  
[matthew.woodrow@wisconsin.gov](mailto:matthew.woodrow@wisconsin.gov)

Leah Nicol – DNR Eau Claire  
[leah.nicol@wisconsin.gov](mailto:leah.nicol@wisconsin.gov); (715) 839-3730  
Gretchen Wheat, P.E. – DNR Madison  
[gretchen.wheat@wisconsin.gov](mailto:gretchen.wheat@wisconsin.gov); (608) 264-6273  
Joe Baeten – DNR Green Bay  
[joseph.baeten@wisconsin.gov](mailto:joseph.baeten@wisconsin.gov); (920) 662-5191

## Community Development Department

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October 13, 2017

File#: LUP-2017-043

Todd Tuls  
2670 D Road  
Rising City, NE 68658

Re: Land Use Permit for an Animal Waste Storage Facility located in the NE/SE/SW 1/4 of the N1/4 of Section 22, T30N, R16W, Town of Emerald.  
Site Address: 2487 County Highway G

Dear Mr. Tuls,

This letter confirms zoning approval for a **Construction Permit** according to the plans you have submitted for an animal waste storage facility at the location referenced above. Staff finds that the proposed project meets the requirements of the St. Croix County Animal Waste Storage Facility Ordinance and the St. Croix County Zoning Ordinance with the following findings:

1. An animal waste storage facility is subject to the Animal Waste Storage Facility Ordinance and Zoning requirements.
2. An animal waste storage facility is allowed with a land use permit pursuant to Section 11.3 A. of the St. Croix County Animal Waste Storage Facility Ordinance.
3. The proposed storage facility meets the required setbacks pursuant to Section 17.12 (14) of the St. Croix County Zoning Ordinance.
4. The applicant submitted a manure storage facility plan that includes; engineered plans, operation and maintenance plan, soil logs, construction inspection plans, construction specifications, grading plans and erosion control plans.
5. The proposed manure storage facility is not located in a floodplain, Shoreland or Shoreland-wetland area.
6. The proposed animal waste storage structure complies with the standards in Section 11.2 A. of the St. Croix County Animal Waste Storage Facility Ordinance.

Based on these findings, approval of the land use permit is subject to the following conditions:

1. The applicant shall provide an as-built drawing of the constructed animal waste storage facility signed by a professional engineer.
2. The applicant shall obtain an operation permit from the county prior to use of the structure.
3. The applicant shall submit annually a certified 590 nutrient management plan for the operation.
4. The applicant shall remain in full compliance with Wisconsin Administrative Code ATCP 50 and NR 151.

5. Any modifications require approval from the St. Croix County Code Administrator.
6. Upon transfer of ownership, a written notice shall be submitted to the Code Administrator.
7. This permit is valid for one year. Prior to the expiration of the permit, a request can be made for one additional year.
8. If this operation ceases operations for a period of 24 months, this pit shall be closed according to Section 11.3 E of the Animal Waste Storage Facility Ordinance.
9. The applicant shall give five working days' notice to the Community Development Department prior to starting construction.

This approval does not allow for any additional construction, structures or structural changes, grading, filling, or clearing of vegetation beyond the limits of this request. Your information will remain on file in the St. Croix County Community Development Department. It is your responsibility to ensure compliance with any other local, state, or federal rules or regulations, including obtaining a building permit from the Town of Emerald.

Please feel free to contact me with any questions or concerns.

Sincerely,



Steve Olson  
Conservation and Land Use Specialist

SO 10/13/2017



Sarah Droher  
Land Use Technician II

Enc: Land Use Permit placard  
cc: Town of Emerald; 2432 County Road G, Emerald, WI 54013  
Todd Tuls; 2670 D Road, Rising City, NE 68658  
ec: Ronnie Williams; [wes@chipvalley.com](mailto:wes@chipvalley.com)

It Is Unlawful To Commence Work Before This Permit Is Placed In A  
Conspicuous Place On The Premises

This Certifies That A

# LAND USE PERMIT

Has Been Issued To

Todd Tuls

In compliance with requirements of the St. Croix Ordinance for a Animal Waste  
Storage Facility located at 2487 County Road G

NE  
SW  
NW  
SE  
Sec. 22 T. 30 N.; R. 16 W. 316; or

Lot — Block —; Subdivision —

Town of Emerald

Dated 10/13/2017

Application No. LUP-2017-043

[Signature]  
Zoning Administrator

(Valid one year from date of issuance) Technician II



October 11, 2017

File Ref: R-2017-0154A  
WD PES Permit # WI-0059315

Todd Tuls  
Emerald Sky Dairy  
2670 D Road  
Rising City, NE 68658

Subject: Conditional Approval of Plans & Specifications for Two Waste Storage Facilities,  
a Manure Stacking Area & Waste Transfer Pipes, Abandonment of a Waste Storage Facility  
& Abandonment of a Waste Transfer System, at Emerald Sky Dairy, 2487 County Rd. G,  
Emerald, Sec. 22, NE¼ of NE¼, T30N, R16W, Town of Emerald, St. Croix County

Dear Mr. Tuls:

The Division of External Services of the Wisconsin Department of Natural Resources (DNR) hereby issues a partial conditional approval of the above-referenced plans and specifications, submitted by Ronnie Williams, P.E., Williams Engineering Services, LLC (WES) received August 14, 2017. The plans and specifications were deemed to be substantially complete as of the received date. DNR also reviewed additional information requested by St. Croix County, received by DNR October 5, 2017.

Construction is approved to commence for a period of two years from the approval date. If work will commence later, or will occur over a longer period without continuous work (other than due to weather) a new written approval must be obtained. Questions may be directed to DNR animal waste specialist Leah Nicol, or DNR review engineer Gretchen Wheat. (Contact information is at the end of this letter.)

The reason for a partial approval is to allow the following (approved) facilities and systems to be constructed yet this fall.

- Two waste storage facilities (WSF 1 & WSF 2) that are considered emergency replacements for an existing WSF that must be abandoned (listed below).
- A manure stacking area.
- A reception manhole for the new WSF1, and waste transfer pipes to route waste to the new manhole or directly into WSF1.
- Abandonment of an existing WSF that has a heavily damaged geomembrane liner (not repairable).
- Abandonment of existing waste transfer pipes (heifer barn collection tank to solids separation building; and solids separator collection tank to the existing WSF).

The following facilities and systems were also proposed, to be constructed in 2018, that are not yet approved, and will be addressed in separate correspondence as DNR project R-2017-0154B.

- Relocation and improvement of a calf hutch area, to add an impervious surface and runoff collection.
- Feed storage area expansion.
- Runoff controls for the proposed feed storage expansion area and for an existing feed storage area.
- Runoff controls for an existing heifer lot.
- Associated remaining portions of waste transfer systems, including tanks for collection or pumping.

**Compliance & Project Summary:** DNR review was in accordance with s. 281.41 Wis. Stats., ch. NR 243, Wis. Adm. Code, and applicable NRCS Standards. NRCS Standards and Construction Specifications, are referenced in the plans and specifications, and are therefore part of this approval, although only primary NRCS Standards may be referenced herein. Runoff calculations are based on the 25-yr, 24-hr rainfall of 5.1 inches, and an MSE3 storm type, for St. Croix County, as listed in Atlas 14. Clean stormwater will be routed around waste handling areas.

Proposed Waste Storage Facilities (WSF 1 & WSF 2) & Manure Stacking Area: Two impoundment style waste storage facilities (WSF1 & WSF2) are proposed. WSF1 and WSF2 will be connected together by an overflow pipe and concrete channel crossover to allow for the liquid fraction of the manure to flow from the concrete pond to the HDPE lined pond. Around the floor of each WSF1 and WSF2, a perimeter drain tile and observation manhole will also be installed, providing a method to monitor for and collect leakage, if it would occur. However, the drain tiles will gravity flow to a surface outlet. A concrete load out spill containment area is also proposed adjacent to each of the WSFs. These added features, along with the added clay sub-liner for WSF 1, and added clay liner thickness for WSF2, provide improved groundwater protection, as compared to the minimum design criteria, and is warranted due to permeable soil and shallow bedrock that exists at the site (also see Site Assessment, below).

- WSF 2 will be 3.3 million gallons (to top of berm) and 2.9 million gallons to the maximum operating level (MOL). The liner will be water-tight reinforced concrete (with embedded waterstop in all joints) and an additional 12 inch thick clay sub-liner in intimate contact with the concrete. The clay sub-liner will have a minimum 20% fines and a plasticity index of at least 7.
- WSF 2 will be 29.8 million gallons (to the top of berm) and 27.1 million gallons to the MOL. The liner will be 60 mil HDPE with the normally specified 2 feet thick clay sub-liner and vent tile network, plus an additional 1 foot thickness of clay sub-liner.

A manure stacking area for storage of manure solids and contaminated bedding will be constructed immediately north of WSF1, and gravity drain directly into WSF1. The area will have a water-tight reinforced concrete liner (with embedded waterstop in all joints)

WSF 1, WSF2 and the manure stacking area are each designed in accordance with NRCS 313 (1/14), and comply with s. NR 243.15(3), Wis. Adm. Code. The additional proposed liner provisions of WSF1 and WSF2, and perimeter drain tiles, also comply with s. NR 243.15(3)(c), Wis. Adm. Code, which calls for an assessment of the need for leak collection, monitoring or secondary containment, based on potential impacts to surface water or groundwater quality.

Abandonment of an Existing Waste Storage Facility: The existing HDPE pond will be abandoned. (Existing transfer pipes that discharge into the WSF will also be abandoned, as described below.) The submittal includes a closure plan for abandonment of the WSF, which references NRCS 360 (3/13). This complies with s. NR 243.15(7)(a) and (b), Wis. Adm. Code.

Proposed Reception Manhole for WSF1, & Waste Transfer Pipes: With the exception of the reception manhole for WSF1, proposed tanks are not approved, and will be reviewed in the subsequent part of the proposed project. (Runoff for the calf hutch area and feed storage area will flow into an existing modified tank in the solids separation area, such that a dedicated transfer pipe is not needed.) Transfer pipes are approved herein. If a new tank is to be installed later, the pipe will be installed and capped for later connection to a new tank. The transfer pipes will be PE ASTM F 714 (DR 21) which meet NRCS 634 (1/14) and therefore also comply with s. NR 243.15(4), Wis. Adm. Code.

- Reception Manhole for WSF1: Adjacent to the new WSF1 will be a new reception manhole to receive most wastes prior to discharge into WSF1. The manhole will also prevent backflow from WSF1.
- Transitional Management Facility (TMF) Barn Collection Tank to WSF1: The existing piping from the TMF barn collection tank to the solids separation area will be removed, and a replacement transfer pipe will be installed to route manure from the TMF barn collection tank directly to the proposed WSF1. (This original system was the source of the December 2016 manure spill.)
- Solid Separator Collection Tank to WSF1: The existing piping from solid separator collection tank to the existing WSF will be removed, and a replacement transfer pipe will be installed to route manure from the solid separator collection tank to the proposed WSF1.
- Heifer Lot Collection Tank to WSF1: There is currently no collection from the heifer lot. A new transfer pipe will be installed into the proposed reception manhole for WSF1, and stubbed for connection when the heifer lot collection system is constructed in 2018.

**Abandonment of Existing Transfer Systems:** Existing transfer pipes (two) that discharge into the existing WSF will be abandoned. Where existing transfer pipes extend through areas where the new WSFs will be constructed, the transfer pipes will be removed. Otherwise the pipe outlet will be encased in concrete.

The existing TMF barn transfer system (from the TMF barn collection tank to the solids separation area) will be abandoned. The submittal includes a closure plan for abandonment of these existing transfer systems, which references NRCS 360 (3/13). This complies with s. NR 243.15(7)(a), Wis. Adm. Code.

**Days of Storage for Manure & Co-Mingled Wastewater:** After completion of the part of the project approved herein, the farm will have a minor increase in waste collection (runoff collection from the new solids stacking area) and will have two WSFs totaling 33.1 million gallons to the top, and 30.0 million gallons to the maximum operating level (MOL). The subsequent part of the project (not yet approved) includes increased manure and wastewater collection (described immediately below) which is expected to result in a total waste generation of 30.0 million gallons per year. Based on this total waste generation, it is reported that the farm will have 378 days storage.

The increased manure and wastewater collection in the subsequent part of this project is due to the increased runoff collection from certain existing areas (existing and expanded feed storage area; the heifer lot; and the calf hutch area which will also be relocated).

DNR did not confirm the specific reported days of storage, but did confirm the farm will have far greater than 180 days of storage. This complies with s. NR 243.15(3)(i) to (k), Wis. Adm. Code.

**Background:** This is an existing livestock operation that houses greater than 1,000 Animal Units, and has a Concentrated Animal Feed Operation (CAFO) WPDES Permit which was re-issued July 1, 2015. The farm recently came under new ownership. Currently the site has 1,500 milking cows, 200 dry cows, 250 heifers and 350 calves. A minor expansion is under consideration, but the previously proposed significant expansion is no longer being planned at this time. The plans and specifications are primarily intended to address compliance concerns at the site, and improve overall operation. The production area is an approximately 310 acre site that currently consists of the following.

- Three freestall barns bedded with recycled manure solids.
- Milking parlor.
- Feed pad which has only a first flush leachate collection system.
- WSF that has a geombrane liner (HDPE) that has reached its anticipated service life, and has been greatly damaged, and temporarily repaired. The WSF cover has also been partially removed.
- Virginia style open front heifer shed with failed and poorly performing runoff collection. This houses all 250 heifers at the site.
- Calf hutch area on dirt, that lacks runoff collection. This houses all 350 calves at the site.
- Stormwater runoff pond, that receives contaminated runoff.
- Portions of a digester system, a methane collection and bottling system (ECO Fuel project) and a sand recovery system. Most of the components of these systems have been abandoned, or no longer in use. Tanks from the sand recovery system and parts of the digester system are still in use.

The submittal states, “Existing DNR permits for the Bio digester and ECO Fuels project shall be maintained, although they are not intended to be used at this time.” DNR provides this clarification.

CAFO digesters and other facilities are normally addressed in a CAFO WPDES Permit, and plans and specifications must be approved prior to construction of new or modified reviewable facilities or systems. The DNR CAFO Program is unsure if another DNR Permit applied to the ECO Fuel equipment, but it is likely that engineering plans would need to be approved prior to construction of similar new or modified equipment. Permits may also have specific requirements for notification if the permitted equipment is taken out of service. The CAFO WPDES Permit contact is Leah Nicole. Questions about other permits may be directed to the DNR Program that issued the permit.

Stormwater runoff from the site flows to an existing stormwater runoff pond located in the most southern part of the facility via swales and constructed embankments. The stormwater pond currently receives contaminated runoff from the feed pad and calf hutch area, which does not comply with ch. NR 243, Wis. Adm. Code.

**Site Assessment:** Site surface water drains primarily to the southwest. The submittal reports no karst or sinkhole features were located during field observation, or upon review of available geological maps and GIS maps produced by WES utilizing current DNR and St. Croix County ArcGIS layers.

There are two on-site groundwater supply wells, both of which are greater than 250 feet from the proposed facilities and systems.

A wetland delineation of the site was completed by a DNR Assured Wetland Delineator (Timothy D. King). There are mapped wetlands immediately west and southwest of production area, and this influenced the choice to locate the proposed facilities within the eastern portion of the site. The submittal reports one mapped wetland within the production area was filled somewhat recently (by the previous owner) without a permit to do so. The proposed facilities are not within the filled wetland area, and this approval letter does not resolve or further address the wetland filling issue.

**Soil Investigations:** In July 2017, WES performed approximately 35 test pits in the area of proposed WSF1 and WSF2, and the proposed transfer systems. (Additional test pits were also performed in the central and western portion of the site, and borrow materials were identified, but the proposed facilities are not in those areas.) Bedrock was not observed in any of the test pits, with the deepest test pit being 24.5 feet below existing ground surface (b.g.s.). After 24 hours, perched groundwater from sand pockets was observed in 1 test pit at a depth of 7.5 feet b.g.s., and drain tile has been included in the design due to this observation.

With the perched water to be drained, the soils investigation demonstrates sufficient separation from saturation and bedrock for WSF1 (minimum 2 feet) and WSF2 (minimum 4 feet), and from bedrock for the proposed waste transfer pipes (minimum 6 inches). Transfer tanks are also proposed in the subsequent part of this project, not approved herein.

Although the site topsoil is quite consistently silt loam, subsoils are varied and occur at inconsistent depths. To approximately 5-6 feet immediately below the proposed floors of the WSFs, the soils are primarily coarse grained (SC and GP). At other depths and in other areas, suitable soils were found for construction of the proposed clay sub-liners for WSF1 and WSF2.

**Conditions of Approval:** The plans and specifications for project number R-2017-0154A are hereby approved and subject to chs. NR 151 and NR 243, Wis. Adm. Code, and the conditions listed below.

1. **Notification:** Prior to construction and when construction is complete, notify the DNR regional contact and county contact. (Contact information is in the cc list at the end of this letter.)
2. **Inspection:** During the construction of critical components, inspection shall be performed by a Wisconsin registered professional engineer or other qualified third party (excludes the owner and construction contractor and their employees). NRCS Standards and Wisconsin Construction Specifications contain certain third party inspection requirements.
3. **Post-Construction Documentation:** Within 60 days of completing construction, submit to the DNR e-Permit website (<http://dnr.wi.gov/permits/water>) the post-construction report, and send one paper copy to the DNR regional contact. The report shall comply with s. NR 243.15(10), Wis. Adm. Code, and document compliance with 1.-2. (above) and a.-d. (below).
  - a. A statement certifying that construction conforms with s. NR 243.15, Wis. Adm. Code, NRCS 313 (1/14), NRCS 634 (1/14), NRCS 360 (3/13) and applicable Wisconsin Construction Specifications.
  - b. The inspector's certification that inspection conformed with the approved inspection plan, NRCS Standards and Wisconsin Construction Specifications in a. (above), along with a copy of the Inspection Log showing each inspection date and corresponding items inspected.
  - c. A complete final as-built drawing package that identifies any changes from the approved design.
  - d. Documentation required in either i. or ii. (below).
    - i. If no changes from approved plans, certification for a. above shall be accompanied by the following statement: Construction fully conforms with the approved plans and specifications.

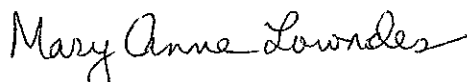
- ii. If changes from approved plans, certification for a. (above) shall be accompanied by the following.
- Summary of changes and description of how design conditions were met, if any.
  - A statement that construction substantially conforms with the approved plans and specifications.
  - Documentation of DNR approved design changes. (Design change without prior approval is a violation of ch. NR 243 and the WPDES Permit. Direct questions to the review engineer.)

**Limitation of Approval:** The DNR reserves the right to order changes or additions should conditions arise making this necessary. This approval is not to be construed as a DNR determination on the issuance of a Wisconsin Pollutant Discharge Elimination System Permit or opinion as to the ability of the proposed system to comply with effluent limitations in such a permit, approval of an Environmental Impact Statement that may be prepared, or approval for any activities requiring a permit under chs. 30 or 31, Wis. Stats. Where necessary, plans and specifications should be submitted to the Department of Safety and Professional Services or other state or local agencies to ensure conformance with their requirements.

**Tax Treatment:** Tangible personal property, that becomes part of a waste treatment of pollution abatement plant or equipment, may be exempt from sales tax under s. 77.45(26), Wis. Stats. Similarly, property purchased or constructed as a waste treatment facility and used for industrial waste treatment may be exempt from general property taxes under s. 70.11(21), Wis. Stats. A prerequisite to exemption is filing a statement on prescribed forms. To obtain forms and information, please contact the Department of Revenue, P.O. Box 8933, Madison, WI 53708, or check their website <http://www.revenue.wi.gov/>.

**Appeal Notice:** If you believe that you have a right to challenge this decision, you should know that the Wisconsin statutes and Administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review must name the Department of Natural Resources as the respondent. To request a contested case hearing pursuant to s. 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. All requests for contested case hearings must be made in accordance with s. NR 2.05(5), Wis. Adm. Code, and served on the Secretary in accordance with s. NR 2.03, Wis. Adm. Code. The filing of a request for a contested case hearing does not extend the 30 day period for filing a petition for judicial review.

STATE OF WISCONSIN  
DEPARTMENT OF NATURAL RESOURCES  
FOR THE SECRETARY



Mary Anne Lowndes  
Chief, Runoff Management Section  
Bureau of Watershed Management



Gretchen Wheat, P.E.  
Engineer, Runoff Management Section  
Bureau of Watershed Management

Email cc: Ronnie Williams, P.E. – WES  
[wes@chipvalley.com](mailto:wes@chipvalley.com); (715) 286-3231

Steve Olson – St. Croix County LCD  
[steve.olson@co.saint-croix.wi.us](mailto:steve.olson@co.saint-croix.wi.us); (715) 531-1909

Matthew Woodrow, P.E. – DATCP  
[matthew.woodrow@wisconsin.gov](mailto:matthew.woodrow@wisconsin.gov)

Leah Nicol – DNR Eau Claire  
[leah.nicol@wisconsin.gov](mailto:leah.nicol@wisconsin.gov); (715) 839-3730

Gretchen Wheat, P.E. – DNR Madison  
[gretchen.wheat@wisconsin.gov](mailto:gretchen.wheat@wisconsin.gov); (608) 264-6273

Joe Baeten – DNR Green Bay  
[joseph.baeten@wisconsin.gov](mailto:joseph.baeten@wisconsin.gov); (920) 662-5191



September 12, 2017

Todd Tuls  
Emerald Sky Dairy, LLC  
2670 D Road  
Rising City NE 68658

SUBJECT: Coverage Under WPDES General Permit No. WI-S067831-05: Construction Site Storm Water Runoff  
Permittee Name: Emerald Sky Dairy, LLC  
Site Name: Emerald Sky Dairy, LLC Proposed Waste Storage Improvements  
FIN: 60607

Dear Permittee:

The Wisconsin Department of Natural Resources received your Water Resources Application for Project Permits or Notice of Intent, on September 05, 2017, for the Emerald Sky Dairy, LLC Proposed Waste Storage Improvements site and has evaluated the information provided regarding storm water discharges from your construction site. We have determined that your construction site activities will be regulated under ch. 283, Wis. Stats., ch. NR 216, Wis. Adm. Code, and in accordance with Wisconsin Pollutant Discharge Elimination System (WPDES) General Permit No. WI-S067831-05, Construction Site Storm Water Runoff. All erosion control and storm water management activities undertaken at the site must be done in accordance with the terms and conditions of the general permit.

The **Start Date** of permit coverage for this site is September 12, 2017. The maximum period of permit coverage for this site is limited to 3 years from the **Start Date**. Therefore, permit coverage automatically expires and terminates 3 years from the Start Date and storm water discharges are no longer authorized unless another Notice of Intent and application fee to retain coverage under this permit or a reissued version of this permit is submitted to the Department 14 working days prior to expiration.

A copy of the general permit along with extensive storm water information including technical standards, forms, guidance and other documents is accessible on the Department's storm water program Internet site. To obtain a copy of the general permit, please download it and the associated documents listed below from the following Department Internet site:

<http://dnr.wi.gov/topic/stormwater/construction/forms.html>

- Construction Site Storm Water Runoff WPDES general permit No. WI-S067831-05
- Construction site inspection report form
- Notice of Termination form

If, for any reason, you are unable to access these documents over the Internet, please contact me and I will send them to you.

To ensure compliance with the general permit, please read it carefully and be sure you understand its contents. Please take special note of the following requirements (This is not a complete list of the terms and conditions of the general permit.):

1. The Construction Site Erosion Control Plan and Storm Water Management Plan that you completed prior to submitting your permit application must be implemented and maintained throughout construction. Failure to do so may result in enforcement action by the Department.

2. The general permit requires that erosion and sediment controls be routinely inspected at least every 7 days, and within 24 hours after a rainfall event of 0.5 inches or greater. Weekly written reports of all inspections must be maintained. The reports must contain the following information:

- a. Date, time, and exact place of inspection;
- b. Name(s) of individual(s) performing inspection;
- c. An assessment of the condition of erosion and sediment controls;
- d. A description of any erosion and sediment control implementation and maintenance performed;
- e. A description of the site's present phase of construction.

3. A **Certificate of Permit Coverage** must be posted in a conspicuous place on the construction site. The Certificate of Permit Coverage (WDNR Publication # WT-813) is enclosed for your use.

4. When construction activities have ceased and the site has undergone final stabilization, a Notice of Termination (NOT) of coverage under the general permit must be submitted to the Department.

It is important that you read and understand the terms and conditions of the general permit because they have the force of law and apply to you. Your project may lose its permit coverage if you do not comply with its terms and conditions. The Department may also withdraw your project from coverage under the general permit and require that you obtain an individual WPDES permit instead, based on the Department's own motion, upon the filing of a written petition by any person, or upon your request.

If you believe that you have a right to challenge this decision to grant permit coverage, you should know that the Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review must name the Department of Natural Resources as the respondent.

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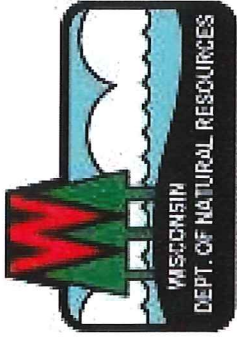
Thank you for your cooperation with the Construction Site Storm Water Discharge Permit Program. If you have any questions concerning the contents of this letter or the general permit, please contact Michelle Asher at (715) 684-2914.

Sincerely,



Michelle Asher  
West Central Region  
Storm Water Specialist

ENCLOSURE: Certificate of Permit Coverage



# CERTIFICATE OF PERMIT COVERAGE

## UNDER THE WPDES CONSTRUCTION SITE STORM WATER RUNOFF PERMIT Permit No. WI-S067831-05

Under s. NR 216.455(2), Wis. Adm. Code, landowners of construction sites with storm water discharges regulated by the Wisconsin Department of Natural Resources (WDNR) Storm Water Permit Program are required to post this certificate in a conspicuous place at the construction site. This certifies that the site has been granted WDNR storm water permit coverage. The landowner must implement and maintain erosion control practices to limit sediment-contaminated runoff to waters of the state in accordance with the permit.

## EROSION CONTROL COMPLAINTS should be reported to the WDNR Tip Line at **1-800-TIP-WDNR (1-800-847-9367)**

Please provide the following information to the Tip Line:

WDNR Site No. (FIN): 60607

Site Name: Emerald Sky Dairy, LLC Proposed Waste Storage Improvements

Address/Location: 2487 County Highway G, Emerald, Wisconsin 54013 Town of EMERALD

Additional Information:

Landowner: Emerald Sky Dairy, LLC

Landowner's Contact Person: Todd Tuls

Contact Telephone Number: (402) 526-2385

Permit Start Date: September 12, 2017

By: \_\_\_\_\_

