



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
JACKSON ENVIRONMENTAL FIELD OFFICE
1625 HOLLYWOOD DRIVE JACKSON, TENNESSEE 38305-4316
Division of Water Resources
PHONE (731) 512-1300 STATEWIDE 1-888-891-8332 FAX (731) 661-6283

August 26, 2016

Mr. Stanley Nissley
756 Bill Lamb Road
Cottage Grove, TN 38224

**Re: Inspection Findings Letter
Pigsville Farm / SOPC00102
756 Bill Lamb Road, Henry County, TN**

Dear Mr. Nissley;

I conducted a Compliance Evaluation Inspection (CEI) of your facility on August 23, 2016. Mr. John Newberry and Mr. Billy Roach with TDEC were also present for the inspection. This inspection was conducted as a routine inspection. It was a pleasure to meet with you during the inspection. Your cooperation during the inspection was greatly appreciated.

At the time of inspection, you indicated you were in the process of load out, but typically you would have approximately 4,800 hogs housed on-site. You are currently permitted to have as many as 5,200 hogs housed on-site. You are currently permitted under the SOPC0000 General State Operating Permit and had a copy of your current permit on-site available for review. You also had a copy of your current Comprehensive Nutrient Management Plan (CNMP) on-site available for review. You were maintaining all required records which included the following: waste storage system inspections, freeboard records, storm water control inspections, daily rainfall, daily waterline inspections, compost temperature, manure transfer records, third party manure transfer agreements, and manure application records. You also had records of manure analysis completed within the last year and soil analyses which were completed earlier this year. You have submitted an Annual Report for 2015.

You export a large portion of manure from your facility and were maintaining all required manure transfer records. In addition to the required records, you were also maintaining tickets for each manure transfer. You also land apply some manure to application fields which are covered in your CNMP. You indicated that you apply the manure using an injector. On the day of my visit, I did not do a visual inspection of your land application fields because you have not applied any manure since this spring. The fields were also currently standing in corn making any visual observations very difficult.

Mortalities are composted on-site in a covered compost shed, which has a concrete floor and concrete walls. The floor of the compost shed is sloped towards the back to prevent liquid from running out of the compost shed. You use sawdust and/or wood chips as your carbon source for your compost mixture. There were no uncovered hog remains observed on the day of inspection. There was also no leachate observed leaving the concrete pad of the compost shed on the day of inspection.

We also discussed your Stormwater Construction Permit coverage during the inspection. You received Stormwater Construction Permit coverage in August of 2007 to construct your hog barns. Construction of your hog barns has been completed and the site is currently stable with vegetation or rock. As we discussed during the inspection, TDEC will terminate your Stormwater Construction Permit coverage, since your facility is now complete and stable.

I appreciate you taking time from your schedule to meet with me for the CEI. Also enclosed, with this letter, is a copy of the completed Facilities Inspection Report from my visit on August 23, 2016.

If you need assistance or have any questions please contact me at 731-512-1305 or by email at Kevin.X.Smith@tn.gov.

Thank You,

A handwritten signature in blue ink, appearing to read "Kevin Smith", is written over a horizontal line.

Kevin Smith, Environmental Scientist 3
TDEC, Division of Water Resources

cc: TDWR-JFO File: Pigsville Farm / SOPC00102



TDEC - Division of Water Resources
Jackson Field Office

ICIS NPDES Facilities Inspection Report

Facility Data

NPDES ID:	SOPC00102	Facility Site Name	Pigsville Farm		
		Address	765 Bill Lamb Road Cottage Grove, TN 38224		
Permit Eff. Date:	Jun 30, 2016	Permit Exp Date:	Jul 31, 2020	SIC Code:	0213 hogs

Compliance Monitoring Information

Compliance Monitoring Activity Name	CAFO Non-Sampling				
	* If Bio Monitoring is selected above, select the method used:				
Compliance Monitoring Activity	Evaluation				

Compliance Monitoring Dates/Times

Entry Date/Time (mm/dd/yyyy hh:mm):	08/23/2016 09:35	Exit Date/Time (mm/dd/yyyy hh:mm):	08/23/2016 11:30
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Facility Representatives

Stanley Nissley, Owner/Operator, 731-697-1716	Stanley Nissley, Owner/Operator, 731-697-1716
On-Site Representative(s) Title, Phone Number	Responsible Official(s), Title, Phone Number

Statute and Section Information

Federal Statute:	CWA - Clean Water Act	State Statute:	Tennessee Water Quality Control Act
Programs:	NPDES- Concentrated Animal Feed Operations (CAFO)		

Compliance Monitoring Reason:	Core Program
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Compliance Monitoring Agency Type:	State	Agency Name:	TDEC - DWR
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Did EPA assist/ Inspection?	No	Time Physically conducting activity: Days:	1	Hours:	
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Inspection Type:	State	Compliance Monitoring Action Outcome:	
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Lead Agency:	State	Compliance Monitoring Rating Code:	Unrated
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If Joint Inspection, what was the purpose of the other party?	
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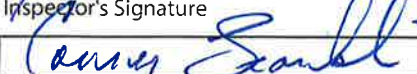
Areas Evaluated During Inspection (Check only those areas evaluated)

<input checked="" type="checkbox"/> Permit	<input type="checkbox"/> Self - Compliance Program	<input type="checkbox"/> Pretreatment
<input checked="" type="checkbox"/> Records / Records	<input type="checkbox"/> Compliance Schedule	<input checked="" type="checkbox"/> Pollution Prevention
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Laboratory	<input checked="" type="checkbox"/> Storm Water
<input type="checkbox"/> Effluent / Receiving Waters	<input checked="" type="checkbox"/> Operations & Maintenance	<input type="checkbox"/> Combined Sewer Overflow
<input type="checkbox"/> Flow Measurement	<input type="checkbox"/> Sludge Handling / Disposal	<input type="checkbox"/> Sanitary Sewer Overflow

Compliance Monitoring Summary

See attached TDEC Inspection Letter.

EPA and State Representatives

	TDEC-DWR / Jackson Field Office / 731-512-1305	Aug 23, 2016
Inspector's Signature	Agency / Office / Phone	Date
	TDEC-DWR / Jackson Field Office / 731-512-1300	Aug 23, 2016
Manager's Signature	Agency / Office / Phone	Date

(Note: This form can only be printed to an XPS document, then saved for later use.)



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES
WILLIAM R. SNODGRASS TENNESSEE TOWER
312 ROSA L. PARKS AVENUE, 11TH FLOOR
NASHVILLE TN 37243
1-888-891-8332 (TDEC)

Compliance Inspection for Concentrated Animal Feeding Operation (CAFO)

INSPECTION TYPE									
Routine	<input checked="" type="checkbox"/>	Comprehensive	<input type="checkbox"/>	Complaint	<input type="checkbox"/>	Follow Up	<input type="checkbox"/>	Termination	<input type="checkbox"/>
Facility Name: Pigsville Farm					County(ies): Henry				
Street Address or Location: 756 Bill Lamb Road Cottage Grove, TN 38224					Latitude (dd.dddd): 36.308997				
					Longitude (-dd.dddd): -88.478472				
Official Contact: Stanley Nissley			Email:			Contact Phone: 731-697-1716			
Address: 756 Bill Lamb Road			City: Cottage Grove			State: TN		Zip: 38231	
Inspection Date: 8/23/2016			Entry Time: 09:35			Exit Time: 11:30			
Weather Conditions: Mostly Cloudy, Temps in low 90's			Inspector(s): Kevin Smith, John Newberry, Billy Roach						
PERMIT									
Permit Number: SOPC00102			<input checked="" type="checkbox"/> copy available on site						
Issuance Date: 6/30/2016			Expiration Date: 7/31/2020						
Number of Animals the Facility is permitted for			5,200						
FACILITY INFORMATION									
Type of Operation: Swine									
Current Number of Animals: 4,800 (in process of load out)									
Number of Animals in Confinement: 4,800 (in process of load out)									
Number of Houses/Barns: 2 Barns									
Animals have direct contact with Waters?			<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, explain:						
			<input type="checkbox"/> Assessed as Impaired? List Impairment(s):						
25-year, 24 hour rainfall amount for this location (include source)			6.45 inches, http://hdsc.nws.noaa.gov/hdsc/pfds/						
Description of Facility if unpermitted									
Does facility layout match information provided in approved NMP? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No – Attach a sketch or map of current layout.									
NUTRIENT MANAGEMENT PLAN (NMP)									
Facility has NMP			<input checked="" type="checkbox"/> yes <input checked="" type="checkbox"/> copy available on site						
			<input type="checkbox"/> no						
NMP approved by Tennessee Dept. of Agriculture (NMP approved on: 6/24/2016)			<input checked="" type="checkbox"/> yes <input type="checkbox"/> no						
RECORD KEEPING									
Requirement:	Yes	No	Partial	Comments					
Inspections of Waste Storage System	<input checked="" type="checkbox"/>								
Liquid Systems, Freeboard Records	<input checked="" type="checkbox"/>								
<input type="checkbox"/> N/A – not a liquid system									
Weekly Inspection of Storm Water Controls	<input checked="" type="checkbox"/>								
Records of Daily Rainfall	<input checked="" type="checkbox"/>								
Records of Daily Waterline Inspections	<input checked="" type="checkbox"/>								
Records of Compost Temperature and Moisture	<input checked="" type="checkbox"/>								
Records of Manure Transferred Off Site	<input checked="" type="checkbox"/>			Had tickets where manure was sold as well as records of manure exports.					

Copies of Third Party Waste Transfer Forms	X			Had tickets where manure was sold as well as copies of third party transfer agreements.
Records of Land Application of Manure	X			Last application was in spring before planting corn crop.
Maintenance Reports i.e., equipment calibrations	X			Uses GPS on tractor to calibrate injector when injecting
Annual Manure/Litter Analysis	X			Had manure analysis from 12/29/2015
Soil Analysis (min. every 5 years)	X			Soil analysis done 2/3/2016
Annual Reports Submitted to DWR	X			Received Annual Report 2/11/2016
Required Training for Employees	X			
Emergency Response Plan	X			Page 14 of CNMP

MANURE MANAGEMENT (STORAGE)

Manure Storage Structure(s):

- ☐ Holding pond/lagoon, select liner type: ☐ compacted clay ☐ synthetic
☐ Above-ground constructed structure, describe:
☒ Under-house structure (i.e. pit barn)
☐ manure pack house
☐ composting
☐ other

Constructed per NRCS Standards (as shown in NMP)? ☒ Yes ☐ No ☐ Unknown

VISUAL INSPECTION OF MANURE MANAGEMENT STRUCTURE(S)

Requirement:	Yes	No	Comments
Structure(s) appears to be properly maintained	X		
Structure(s) appears to be sound (e.g. no rills, holes, etc. noted)	X		
Rain gauge installed and maintained		X	Uses rainfall information from pivot on neighboring farm
Structure(s) maintain liquid waste	X		
Banks are maintained			N/A, underground pit barns
Marker is present to gauge freeboard	X		Uses PVC pipe to gauge depth in pit barns
Freeboard	X		Had over 2 feet of freeboard on day of inspection

Notes/Concerns:

Do(es) Manure Management Structure(s) match what is described in the NMP? ☒ Yes ☐ No – Attach a sketch or map of current structures.

MANURE MANAGEMENT (UTILIZATION OF NUTRIENTS)

	Yes	No	N/A	Comments
Manure Transferred Off Site	X			
Facility following manure transfer requirements	X			
Manure is Land Applied on Farm	X			
Facility has Adequate Land for manure/litter application	X			Large portion of manure is exported from facility. Producer does land apply some manure to fields which are covered in his approved CNMP.
Facility has a schedule for Land Application and is following the schedule	X			
Facility has appropriate setbacks and buffers	X			
- no land application w/in 100 ft. of water features or has a 35 ft. vegetated buffer or a 60 ft. natural riparian buffer	X			
- no land application w/in 100 ft. of potable well	X			
- 60 ft. natural riparian buffer btw. Stream and land application areas for new CAFO adjacent to exceptional TN waters and ONRW			X	

Description of Land Application System if it differs from what is listed in NMP:

Does not differ from CNMP.

VISUAL INSPECTION OF LAND APPLICATION AREAS

Field	Crop Growing	BMPs/Buffers	Notes
P1			VISUAL INSPECTION WAS NOT DONE SINCE THERE HAS NOT BEEN ANY MANURE APPLICATIONS AT THE FACILITY SINCE SPRING AND STANDING CORN IS PRESENT IN APPLICATION FIELDS.
N1			
N2			

Do Application Areas match information provided in NMP? ☒ Yes ☐ No – Attach a sketch or map of current application areas.

MORTALITY MANAGEMENT

Are mortalities managed so that discharges of pollutants to surface waters are avoided? ☒ yes ☐ no

Are mortalities managed so that they are not disposed of in manure, stormwater, or process wastewater storage or treatment systems that are not designed to treat animal mortalities? ☒ yes ☐ no

VISUAL INSPECTION OF MORTALITY SITE

Mortality Management On Site

- ☐ burial
- ☐ Class I landfill
- ☐ incineration
- ☐ rendering
- ☒ composting

Other, explain

Facility is Managing Mortality According to the NMP ☒ yes ☐ no

Notes/Concerns:

Facility compost mortalities in a covered shed with a concrete floor. Facility keeps records of compost temperature. No uncovered hog remains were observed on day of inspection. No leachate was observed running off of concrete pad of compost shed on day of inspection. Sawdust and wood chips are used as a carbon source.

BEST MANAGEMENT PRACTICES

Is clean water diverted, as appropriate, from the production area? ☒ yes ☐ no

CHEMICAL MANAGEMENT

Are pesticides and/or other contaminants being disposed of in any manure, litter, process wastewater, or stormwater storage or treatment system not specifically designed to treat such chemicals and other contaminants? ☐ yes ☒ no

Method of Disposal of Chemicals

Chemicals are not kept at hog facility.

VISUAL INSPECTION OF CHEMICAL STORAGE

Facility is managing chemicals according to the NMP ☒ yes ☐ no

Notes/Concerns:

Chemicals are not kept at hog facility.

DISCHARGES

Has the Facility had a Discharge? ☒ no
☐ yes ☐ date(s) _____
☐ reported to the Division and/or EPA
☐ description of discharge
☐ perform required sampling?

Description of Actions taken


General Comments:

- Facility was maintaining all records as required by their permit.
- No water quality issues observed on day of inspection.

On-Site Contact (if available)

On-Site Contact Name (Print):	On-Site Contact Title:	Signature:	Date:

TDEC Personnel/Information

Inspector's Name (Print): Kevin Smith	Signature: 	Date: 8-23-16	EFO: Name and Address Jackson Field Office 1625 Hollywood Drive Jackson, TN. 38305
		Time:	



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
JACKSON ENVIRONMENTAL FIELD OFFICE
1625 HOLLYWOOD DRIVE JACKSON, TENNESSEE 38305-4316
PHONE (731) 512-1300 STATEWIDE 1-888-891-8332 FAX (731) 661-6283

PHOTOLOG

Date: 08/23/16

TO: JFO File: Pigsville Farm / SOPC00102

From: Kevin Smith, TDEC-DWR, Jackson Field Office

KRS

Subject: 08-23-16 Pigsville Farm CAFO Inspection





Picture 1

Date of Photo: 8/23/2016. Photo taken by: Kevin Smith. Location/Site Name: Pigsville Farm/SOPC00102. TDWR personnel Present: Kevin Smith. Remarks: Picture was taken standing on north side of hog barns facing west. There was good vegetation established around the hog barns.



Picture 2

Date of Photo: 8/23/2016. Photo taken by: Kevin Smith. Location/Site Name: Pigsville Farm/SOPC00102. TDWR personnel Present: Kevin Smith. Remarks: Picture was taken standing on north side of hog barns facing south. Picture is of western side of the eastern most hog barn. Site is stabilized with either vegetation or rock. There is also rock along the roof drip line of the hog barns to prevent scouring.



Picture 3

Date of Photo: 8/23/2016. Photo taken by: Kevin Smith. Location/Site Name: Pigsville Farm/SOPC00102. TDWR personnel Present: Kevin Smith. Remarks: Picture is of the eastern side of the westernmost hog barn. Picture was taken facing southwest. Site is stabilized with either vegetation or rock.



Picture 4

Date of Photo: 8/23/2016. Photo taken by: Kevin Smith. Location/Site Name: Pigsville Farm/SOPC00102. TDWR personnel Present: Kevin Smith. Remarks: Picture was taken on north side of hog barns facing south. Area between hog barns was stable with either vegetation or rock.



Picture 5

Date of Photo: 8/23/2016. Photo taken by: Kevin Smith. Location/Site Name: Pigsville Farm/SOPC00102. TDWR personnel Present: Kevin Smith. Remarks: Picture was taken on south side of compost shed facing north. There were no uncovered hog remains observed on day of inspection. There was no leachate observed running off the concrete pad of the compost shed on day of inspection. Concrete floor of the compost shed is sloped where liquid will flow back towards back concrete wall of compost shed.



Picture 6

Date of Photo: 8/23/2016. Photo taken by: Kevin Smith. Location/Site Name: Pigsville Farm/SOPC00102. TDWR personnel Present: Kevin Smith. Remarks: Picture was taken on south side of compost shed facing north. There were no uncovered hog remains observed on day of inspection. There was no leachate observed running off the concrete pad of the compost shed on day of inspection. Producer uses sawdust and wood chips as a carbons source. Sawdust and wood chips were piled on east side of compost shed on day of inspection.



Picture 7

Date of Photo: 8/23/2016. Photo taken by: Kevin Smith. Location/Site Name: Pigsville Farm/SOPC00102. TDWR personnel Present: Kevin Smith. Remarks: Picture is of east side of the easternmost hog barn. Area is stabilized with vegetation. There was rock along roof drip line to prevent scouring. Picture was taken near southeast corner of easternmost hog barn facing north.



Picture 8

Date of Photo: 8/23/2016. Photo taken by: Kevin Smith. Location/Site Name: Pigsville Farm/SOPC00102. TDWR personnel Present: Kevin Smith. Remarks: Picture is of slope located south of the easternmost hog barn. Area was stabilized with vegetation. Picture was taken standing on south side of hog barn facing west.



Picture 9

Date of Photo: 8/23/2016. Photo taken by: Kevin Smith. Location/Site Name: Pigsville Farm/SOPC00102. TDWR personnel Present: Kevin Smith. Remarks: Picture is of generator shed located on south side of hog barns.



Picture 10

Date of Photo: 8/23/2016. Photo taken by: Kevin Smith. Location/Site Name: Pigsville Farm/SOPC00102. TDWR personnel Present: Kevin Smith. Remarks: Picture is of slope located south of the westernmost hog barn. Slope was stabilized with vegetation. Picture was taken standing on south side of westernmost hog barn facing east.



Picture 11

Date of Photo: 8/23/2016. Photo taken by: Kevin Smith. Location/Site Name: Pigsville Farm/SOPC00102. TDWR personnel Present: Kevin Smith. Remarks: Picture is of the west side of the westernmost hog barn. Area was well vegetated. Picture was taken on west side of westernmost hog barn facing south.



Picture 12

Date of Photo: 8/23/2016. Photo taken by: Kevin Smith. Location/Site Name: Pigsville Farm/SOPC00102. TDWR personnel Present: Kevin Smith. Remarks: Picture is of the west side of the westernmost hog barn. Area was well vegetated. There was rock along roof drip line to prevent scouring. Picture was taken on west side of westernmost hog barn facing south.



Picture 13

Date of Photo: 8/23/2016. Photo taken by: Kevin Smith. Location/Site Name: Pigsville Farm/SOPC00102. TDWR personnel Present: Kevin Smith. Remarks: Picture is of the eastern side of the westernmost hog barn. Site is stable with vegetation. There is also rock along the roof drip lines to prevent scouring. Picture was taken near the northeast corner of the western most hog barn facing south.