



SUSANA MARTINEZ
Governor

JOHN A. SANCHEZ
Lieutenant Governor

NEW MEXICO
ENVIRONMENT DEPARTMENT

Surface Water Quality Bureau

Harold Runnels Building, N2050
1190 South St. Francis Drive (87505)
P.O. Box 5469, Santa Fe, NM 87502-5469
Phone (505) 827-0187 Fax (505) 827-0160
www.nmenv.state.nm.us



DAVE MARKLIN
Secretary

BUTCH TONGATE
Deputy Secretary

JAMES H. DAVIS, Ph.D.
Director
Resource Protection Division

Certified Mail - Return Receipt Requested

August 8, 2012

Mr. Bob Podzemny
7H Feeders, Inc.
P.O. Box 220
Clayton, New Mexico 88415

RE: Concentrated Animal Feeding Operation; SIC 0211; NPDES Compliance Evaluation Inspection; 7H Feeders; NMG010040; July 10, 2012

Dear Mr. Podzemny:

Enclosed, please find a copy of the report for the referenced inspection that the New Mexico Environment Department (NMED) conducted at your facility on behalf of the U.S. Environmental Protection Agency (USEPA). This inspection report will be sent to the USEPA in Dallas, for their review. These inspections are used by USEPA to determine compliance with the National Pollutant Discharge Elimination System (NPDES) permitting program in accordance with requirements of the federal Clean Water Act.

Problems noted during this inspection are discussed in the checklist and Further Explanations sections of the inspection report. You are encouraged to review the inspection report; and required to correct any problems noted during the inspection and to modify your operational and/or administrative procedures, as appropriate. Further, you are encouraged to notify in writing, both USEPA and NMED regarding modifications and compliance schedules.

The NPDES General Permit for Discharges from Concentrated Animal Feeding Operations (CAFOs) in New Mexico was re-issued effective as modified September 3, 2009. For questions regarding permitting please see:

<http://www.epa.gov/region6/water/npdes/cafo/>

My thanks for the assistance and cooperation of your consultant during the inspection. If you have any questions, please feel free to contact me at the above address or by telephone at (505) 827-2798.

Sincerely,

/s/ RICHARD E. POWELL

Richard E. Powell
Surface Water Quality Bureau

CC: Willie Lane, USEPA (6EN) by email
Rashida Bowlin, USEPA (6EN) by email
Abu Senkayi, USEPA (6EN) by email

NMED, District II, Santa Fe by email



Form Approved
OMB No. 2040-0003
Approval Expires 7-31-85

NPDES Compliance Inspection Report

Section A: National Data System Coding

Transaction Code			NPDES								yr/mo/day					Inspec. Type		Inspector		Fac Type								
1	N	2	5	3	N	M	G	0	1	0	0	4	0	11	12	1	2	0	7	1	0	17	18	=	19	S	20	3
Remarks																												
L A R G E C A F O - F E E D L O T																												
Inspection Work Days						Facility Evaluation Rating						BI		QA		-----Reserved-----												
67						70						71		72		73 74 75 80												

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number) 7H FEEDERS, INC. - 3.3 MILES EAST OF US 87/US 56 INTERSECTION IN CLAYTON ON US 56, 1 MILE NORTH ON NM 406 ON LEFT UNION COUNTY		Entry Time /Date 1225/07-10-12	Permit Effective Date 9-3-09
		Exit Time/Date 1450/07-10-12	Permit Expiration Date 9-2-14
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s) MATT DAVIS, TCFA 806-358-3681 BEN WEINHEIMER, TCFA 806-358-3681, 806-683-3681 (CELL)		Other Facility Data LAT 36 28 57.4	
Name, Address of Responsible Official/Title/Phone and Fax Number BOB PODZEMNY, PRESIDENT, 7H FEEDERS, INC. P.O. BOX 220, CLAYTON, NM 88415		LONG -103 07 38.3 SIC 0211	
		Contacted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

S	Permit	N	Flow Measurement	U	Operations & Maintenance	N	CSO/SSO
S	Records/Reports	M	Self-Monitoring Program	S	Sludge Handling/Disposal	N	Pollution Prevention
M	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Multimedia
N	Effluent/Receiving Waters	N	Laboratory	N	Storm Water	M	Other: NMP

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

- THE INSPECTOR ARRIVED AT THE FACILITY AT 1225 HOURS ON JULY 10, 2012. THE INSPECTOR CONDUCTED AN ENTRANCE INTERVIEW WITH MESSRS. BEN WEINHEIMER AND MATT DAVIS WITH THE TEXAS CATTLE FEEDERS ASSOCIATION (TCFA). THE INSPECTOR MADE INTRODUCTIONS, PRESENTED HIS CREDENTIALS AND DISCUSSED THE PURPOSE OF THE INSPECTION.
- FACILITY HAS A CAFO PERMIT AND HAS PREPARED A NUTRIENT MANAGEMENT PLAN (NMP).
- RUNOFF FROM THIS ANIMAL FEEDING OPERATION WOULD DISCHARGE TO AN UNCLASSIFIED TRIBUTARY TO RABBIT EAR CREEK; THENCE TO APACHE CREEK; THENCE TO EAST RITA BLANCA CREEK; THENCE TO COLDWATER CREEK IN THE CANADIAN RIVER BASIN.
- AN EXIT INTERVIEW TO DISCUSS THE PRELIMINARY FINDINGS OF THE INSPECTION WAS CONDUCTED WITH MESSRS. WEINHEIMER AND DAVIS ON JULY 10, 2012, AT THE 7H FEEDERS OFFICE.

/s/ RICHARD E. POWELL	Agency/Office/Telephone/Fax NMED/SWQB 505-827-2798	Date August 8, 2012
Signature of Management QA Reviewer /s/ SARAH HOLCOMB	Agency/Office/Phone and Fax Numbers NMED/SWQB 505-222-9587	Date August 8, 2012

NPDES Compliance Inspection
7H Feeders, Inc.
Further Explanations

Findings

This facility had NPDES CAFO General Permit coverage (#NMG010040) on the date of this inspection. This permit allows discharges from CAFOs due to both catastrophic (\geq 25-yr/24-hr storm event, hurricanes, tornadoes, etc.) and chronic (a series of wet weather conditions that preclude dewatering of properly maintained waste retention structures) conditions provided the facility is properly designed, constructed, operated and maintained to contain all process generated wastewater and the runoff from a 25-yr, 24-hr storm event (40 CFR Part 122, Appendix B).

There was a Nutrient Management Plan (NMP) prepared in written form and available at this site for the inspection that includes most of the required design, construction, and operational information. This facility was constructed in 1972. Some of the major findings are as follows:

- The NMP includes calculations that indicate that the runoff from a 25-yr, 24-hr storm event from ten separate drainage areas requires 42.84 ac-ft of storage capacity. Process wastewater plus manure is contained in ten lagoons of various capacities as follows (all include 1 foot freeboard and volumes are in ac-ft):

<u>RCS #</u>	<u>Required Capacity</u>	<u>As-built Capacity</u>	<u>Excess/Shortage</u>
1	4.89	8.07	+3.18
2	2.55	2.81	+0.26
3	2.58	2.80	+0.22
4	2.60	0.27	-2.33
5	2.18	0.07	-2.11
6	2.29	0.04	-2.25
7	2.15	1.15	-1.00
8	5.60	8.03	+2.43
9	6.72	9.10	+2.38
10	11.28	15.96	+4.68

RCS #1 - #8 contain runoff from the middle & east pen areas, RCS #9 contains runoff from the northwest pen area and RCS #10 contains runoff from the southwest pen area.

- Evaporation water balance sheets for a 10-year period for each of these 10 lagoons are included in the NMP. None except RCS #10 have accounted for manure build-up in most or all lagoons. According to these calculations, several of the lagoons would discharge at least once during the 10-year period at times other than during a 25-year, 24-hour storm event. In addition, as shown above, lagoons 4, 5, 6, and 7 are not designed to contain the runoff from a 25-year, 24-hour storm, even empty.
- An unnamed tributary to Rabbit Ear Creek is located along the south border of the pen areas at this facility. Runoff from the east side of the southeast pen area is generally directed along an access road to a ditch along the south edge of the pen area to RCS #1 - #8. However, the current configuration of the road may allow for some of the runoff to discharge into the tributary rather than these ponds. The facility operator needs to install/repair berms in this area, as well as an area in the northeast part of the site, to

ensure that all runoff from the production area is contained in appropriately sized runoff control structures.

- See checklist for additional findings.

NPDES CAFO Nutrient Management Plan Review Checklist

Part A – Basic Facility Information

1. Facility Identification

Operation Name: 7H Feeders, Inc.

NPDES permit number: NMG010040

2. Plan Preparer Certification

Did the plan preparation involve certified technical specialists? Yes No

Are the name and certification credentials of the plan preparer identified in the plan? Yes No

3. Type of Operation

Is the operation Large CAFO Medium or Small CAFO Other (nonCAFO)

Is the operation Open lot Partially enclosed Fully enclosed

Notes: _____

Does the description of the facility in the plan reflect the description of the facility in the application/NOI/fact sheet/permit? Yes No

4. Facility Location

Street Address (mailing): _____ P.O. Box 220 _____

City, State, ZIP: _____ Clayton, NM 88415 _____

Does the plan include maps that identify

(1) The location of the production area, including confinement areas, manure and wastewater handling and storage areas, and raw material handling and storage areas)?

..... Yes No

(2) All land application areas owned or under the ownership, rental, lease, other legal arrangement of the CAFO operator, including topography and soil types? Yes No

(3) Environmentally sensitive areas (sinkholes, wells, drinking water sources, tile drain outlets, etc.) for the production and land application areas? Yes No

Does the plan identify the latitude and longitude to the entrance of the production area? Yes No

Does the plan identify the watershed(s) in which the operation is located? Yes No

Is the watershed listed on the state's list of impaired watersheds? Yes No

If yes, what impairments are identified? _____

Is this facility within a state-designated source water protection area? Yes No

Are there any other water quality concerns in this watershed? Yes No

Explain: _____

5. Animals

What type(s) of animals are confined at the facility?

- | | |
|-------------------------------------------------------------|--------------------------------------------|
| <input checked="" type="checkbox"/> Beef (slaughter/feeder) | <input type="checkbox"/> Chicken – Layer |
| <input type="checkbox"/> Dairy | <input type="checkbox"/> Chicken – Broiler |
| <input type="checkbox"/> Swine | <input type="checkbox"/> Sheep/Lambs |
| <input type="checkbox"/> Turkey | <input type="checkbox"/> Horse |
| <input type="checkbox"/> Duck _____ | <input type="checkbox"/> Other _____ |

What is the maximum number of animals confined, by animal type?

- | | |
|----------------------------------------------------------------------|--------------------------------------------------|
| <input checked="" type="checkbox"/> Beef (slaughter/feeder) _40,000_ | <input type="checkbox"/> Chicken – Layer _____ |
| <input type="checkbox"/> Dairy _____ | <input type="checkbox"/> Chicken – Broiler _____ |
| <input type="checkbox"/> Swine _____ | <input type="checkbox"/> Sheep/Lambs _____ |
| <input type="checkbox"/> Turkey _____ | <input type="checkbox"/> Horse _____ |
| <input type="checkbox"/> Duck _____ | <input type="checkbox"/> Other _____ |

Is the plan based on the animal numbers listed above? Yes No

If no, on what capacity is the plan based? ___40,000 lot capacity, 8352 on-site on this date. _____

Part B – Nine Minimum Practices

Minimum Practice: Ensure Adequate Storage Capacity

Manure/Litter/Process Wastewater Generation

What are the manure generation rates identified in the plan?

Animal Type 1: ___54,000 Tons/year___ _____ lbs/year
Animal Type 2: _____ lbs/year
Animal Type 3: _____ lbs/year

Are the manure generation rates generally consistent with the USDA's *Agricultural Waste Management Field Handbook*? Yes No

If no, are other practices in place that account for the rates included in the plan? Yes No

If yes, what are the practices identified in the plan? Feed Management Other
Explain: _____ ASABE Std. # D384.2 Based on NOI maximum head count - actual production much less _____

Does the plan identify all sources of process wastewater and appropriate generation rates? .. Yes No

Storage Capacity

Does the plan identify the volume and number of days of storage required for the facility? Yes No

Does the plan identify the size (in acres) of the production area? Yes *126.4+RCS#9* acres No

Does the plan identify the number and type of storage structures? Yes No

Does the plan document the source of the information to calculate available storage volume? Yes No

Does the storage volume in the plan account for manure and process wastewater generation (including silage leachate and other wastes) during the storage period in addition to the collection of runoff and direct precipitation on the surface of the storage structure from normal precipitation and the design storm event (25-year, 24-hour storm or other as required/appropriate for new source swine, poultry, and veal calf operations) for the CAFO location, a minimum treatment volume for anaerobic lagoons, and volume for solids accumulation? Yes No *See Further Explanations*

Does the plan use the correct 25-year, 24-hour rainfall amount for the location of this operation to determine storage requirements (or other storm event as required/appropriate for new source swine, poultry, and veal calf operations)? *4.3"* Yes No

Note source of information: _____ *NOAA* _____

Are the evaporation rates used in the plan consistent with local data/guidance and appropriately applied? Yes No

Does the plan include a schedule for cleaning out the storage structures or solids removal for liquid storage structures? *As needed* Yes No

Does the plan document that available storage volume is consistent with the plan's specified land application schedule? *Land application from only 1 pond* Yes No

Does the plan require maintenance for all storage structures? Yes No

Does the plan identify the specific maintenance actions and a frequency/schedule for those actions? *Done as needed but maintenance needed now* Yes No

Terms for Minimum Practice: Ensure Adequate Storage Capacity (identify below or reference NMP section(s)):

_____ Facility uses a combination of ditches, berms and ten runoff control structures (RCS) to control runoff, manure and the runoff from a 25-year, 24-hour storm. See Further Explanations.

Minimum Practice: Ensure Proper Management of Mortalities

Is the animal mortality addressed in the plan? Yes No

If yes, what methods are identified in the plan to address animal mortality? Rendering Incineration
 Composting Disposal pits Landfill Other _____

Does the plan include a schedule for collecting, storing, and disposing of animal carcasses? . Yes No

Does the plan address mortality storage before final disposition? Yes No

Is the mortality rate used in the plan consistent with USDA expected values for the animals confined at the operation? Yes No

Does the plan include contingency plans for unexpected but possible occurrences such as mass mortality or the loss of a rendering contractor? Yes No

Does the animal mortality plan meet state and local requirements? N/A Yes No

Terms for Minimum Practice: Ensure Proper Management of Mortalities (identify below or reference NMP section(s)): _____ Use NMSU Cooperative Extension Service Guide D-108 _____

Minimum Practice: Divert Clean Water from Production Area

Does the plan address the diversion of clean water from the production areas?..... Yes No

If no, why? _____ No, or minimal, runoff.

If no, is the runoff being collected and is storage of runoff adequate? (See the Minimum Practice: Ensure Adequate Storage Capacity section) Yes No

Does the plan require periodic visual inspection to verify proper and functional diversion? .. Yes No

Does the plan address the maintenance of diversion structures? Yes No

Terms for Minimum Practice: Divert Clean Water from Production Area (identify below or reference NMP section(s)):

Minimum Practice: Prevent Direct Contact

Does the facility or topographic map identify any surface water in the production area? Yes No

If yes, are measures in the plan to prevent direct contact? Yes No

What are the measures identified in the plan?..... Fences Other

Does the plan address maintenance of the identified practices? Yes No

Terms for Minimum Practice: Prevent Direct Contact (identify below or reference NMP section(s)):

NA. There are no surface waters in the production area.

Minimum Practice: Chemical Disposal

Does the plan include practices that ensure chemicals (including pesticides, hazardous and toxic chemicals, and petroleum products/by-products) are not disposed of in any storage or treatment system that is not specifically designed to treat those chemicals? Yes No

Has the facility incorporated measures (in accordance with applicable laws and regulations) to prevent mishandling of pesticides, hazardous and toxic chemicals, and petroleum products/by-products? Yes No

If no, explain: _____

Terms for Minimum Practice: Chemical Disposal (identify below or reference NMP section(s)):

____ Facility has no chemical storage/use on-site other than incidental amounts.

Minimum Practice: Conservation Practices to Reduce Nutrient Loss

Does the plan specify a 100-foot setback or a 35-foot vegetated buffer or alternative setback for land application from downgradient surface waters and conduits in accordance with the Effluent Limitations Guideline? N/A Yes No

If an alternative setback has been specified, what is the basis for the use of an alternative setback? _____ 35' with vegetated buffer. Has 4 agricultural and 1 domestic use wells.

Does the plan include the use of best management practices (BMPs) to control nutrient loss from the:

Production area N/A Yes No

Land application area(s) N/A Yes No

If yes, identify:

Land Application Areas

- Vegetated Buffers (Type of vegetation_____)
- Diversion
- Grassed Waterway (Type of vegetation_____)
- Strip Cropping
- Residue Management
- Terracing
- Conservation Tillage

Production Area

- Vegetated Buffers (Type of vegetation_____)
- Other ___ditches, berms, ponds_____

If BMPs are being used to control nutrient loss, does the plan specify how they are to be implemented?
..... Yes No

If yes, what does the plan require? _____

What references are cited for the practices? USDA Practice Standards State Standards Other
_____ (Note: To be used to verify proper implementation)

Does the plan include Operation & Maintenance requirements for practices used to reduce nutrient loss?
.....But structures appear to need maintenance..... Yes No

Do the plan and facility maps identify the specific locations where the BMPs and setbacks are to be used?
..... N/A Yes No

Terms for Minimum Practice: Conservation Practices to Reduce Nutrient Loss (identify below or reference NMP section(s)):

Minimum Practice: Protocols for Manure and Soil Testing

Does the plan include specific protocols for the representative *sampling* of manure, wastewater, and soil for determining nutrient content?..... Yes No

Does the plan include appropriate frequencies for the *sampling* of manure, wastewater, and soil for determining nutrient content?Yearly for all three - last - October 2011..... Yes No

Does the plan include specific protocols for the *analysis* of manure, wastewater, and soil for determining nutrient content?Servi-Tech soils, TAMU manure..... Yes No

Are the soil test results used to develop the plan less than 5 years old? Yes No

Are the manure nutrient analysis results used to develop the plan less than 12 months old? ... Yes No
[Note: book values may be used for the first year of operation.]

Terms for Minimum Practice: Protocols for Manure and Soil Testing (identify below or reference NMP section(s)):

Minimum Practice: Protocols for Land Application of Manure and Wastewater

Manure, Litter, and Process Wastewater Use and Disposal

What manure utilization options are identified in the plan? (If more than one option is identified in the plan, indicate the relative amount of the manure used or disposed of under this option.)

Land Application100____%

Composting ____%

Incineration ____%

Does the plan address what is done with the remaining ash? _____

Other ____%

Describe: _____NMP specifies land application but operator typically only irrigates with process wastewater from RCS #9 while for the remainder evaporation is used. Solid manure is typically sent offsite. _____

Is manure, litter, or wastewater to be transferred off-site? Yes No

If yes:

How much will be transferred annually? 12,000 tons _____gallons

Does the plan include the necessary arrangements for that transfer? Yes No

Does the plan identify the recipients?Hauled by Todd Poling..... Yes No

If the plan includes land application of manure, litter, or process wastewater:

Do the facility maps identify the fields or conservation management units (CMU) used to develop the plan? (Field boundaries, field number, acreage) Yes No

Does the plan address rates of application using the linear approach or the narrative rate approach?

[Note: The linear and narrative rate approaches primarily influence identification of terms based on the NMP and generally do not dictate the content of the NMP, with a few specific exceptions. The questions

in the sections below identify specific information that is required to support development of terms under a particular approach.]

How many acres under control of the CAFO (e.g., owned, leased, subject to an access agreement) are identified in the plan for land application use? Just process wastewater, manure offsite

___500___ acres owned _____ acres leased ___500___ total acres applied

Does the CAFO own or control sufficient land to properly use all manure and wastewater generated by the operation? Yes No

If no:

Does the plan identify the quantity of excess manure being generated? _____ tons/year or gallons/year

Does the plan identify how the excess manure is to be used? Yes No

If yes, how? _____

Terms for Minimum Practice: Protocols for Land Application of Manure and Wastewater, Manure, Litter, and Process Wastewater Use and Disposal (identify below or reference NMP section(s)):

Crop Production Information

For use where the NMP includes land application of manure, litter, or process wastewater

Does the plan identify what crops are produced for each field? Yes No

What are they? ___ Facility has four fields available for land application (LMU 1-4) See NMP/permit for crops for each. _____

Does the plan identify the crop rotations? Yes No

What is the crop rotation? _____ Facility has four fields available for land application (LMU 1-4) See NMP/permit for rotations for each. _____

Does the plan identify cropping practices? Yes No

If yes, what are they? Ridge Till Conservation Tillage Contour Farming Other

Does the cropping system use irrigation? Yes No

If yes, what type: Traveling Gun Center Pivot Flood Other Sprinkler Ridge and furrow

Other _____

For plans using the narrative rate approach, does the plan identify alternative crops for specific fields?
..... Yes No

[Note: Inclusion of alternative crops is optional.]

Are realistic crop yield goals identified in the plan (including for alternative crops, if included in plans using the narrative rate approach)? Yes No

What source of information was used to determine the realistic yield goals for this operation? Farm records (Circle one: last year's crop production, 3-year average, 5- year average, Other: _____) USDA State databases (VALUES, MASCAP) County averages Previous crop insurance records

Is adequate justification provided to support the yield goal? Yes No

Terms for Minimum Practice: Protocols for Land Application of Manure and Wastewater, Crop Production Information (identify below or reference NMP section(s)): _____ Use NM NRCS Practice 590.

Rate Determination/Nutrient Application Information

For use where the NMP includes land application of manure, litter, or process wastewater

Does the plan clearly identify field-specific maximum application rates, as follows:

For plans using the linear approach, the maximum pounds of N and P from manure, litter, and process wastewater per crop, per year? Yes No

For plans using the narrative rate approach, the maximum pounds of N and P from all nutrient sources per crop, per year? Yes No

Does the plan include the outcome of a field-specific N and P transport risk assessment?..... Yes No

Does the plan identify the basis/rationale for determining an N-based or P-based application rate for each field?N-based..... Yes No

What is the basis? Soil test method Soil phosphorus threshold Phosphorus Index Other _____

Does the plan identify fields where land application is N-based and where it is P-based? Yes No

For P-based fields, does the plan include the use of multi-year P application? Yes No

If yes,

Is multi-year P application limited to fields that do not have a high potential for P runoff to surface water? Yes No

Is the application rate limited to the annual crop N requirement? Yes No

Is additional P application planned only after the amount applied in the multi-year application has been removed through crop uptake and harvest? Yes No

Does the plan identify the appropriate crop N and P removal rates or nutrient recommendations (including for alternative crops, if included in plans using the narrative rate approach)? Yes No

Does the plan take into account other sources of nutrients used at the operation Yes No

If yes, what other sources of nutrients have been accounted for?

- | | |
|-----------------------------------------------------------|-----------------------------------------------------------------|
| <input checked="" type="checkbox"/> Commercial fertilizer | <input type="checkbox"/> Biosolids |
| <input type="checkbox"/> Bedding | <input type="checkbox"/> Legume credits |
| <input checked="" type="checkbox"/> Wastewater | <input checked="" type="checkbox"/> Previous manure application |
| <input type="checkbox"/> Compost | <input checked="" type="checkbox"/> Irrigation water |
| <input type="checkbox"/> Other | |

For plans using the linear approach, does the plan clearly articulate the methodology used to account for the amount of N and P in the manure to be applied? Yes No

For plans using the narrative rate approach, does the plan clearly articulate the methodology used to account for the following? Yes No (check each that is addressed in the NMP methodology)

- | | |
|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Soil test results | <input type="checkbox"/> The form and source of manure |
| <input checked="" type="checkbox"/> Credits for all plant available N in the field | <input type="checkbox"/> The timing and method of land application |
| <input checked="" type="checkbox"/> The amount of N and P in the manure to be applied | <input type="checkbox"/> Volatilization of N |
| <input type="checkbox"/> Consideration of multi year P application | <input type="checkbox"/> Mineralization of organic N |
| <input type="checkbox"/> Accounting for all other additions of plant available N and P to the field | |

Does the plan identify the application method? Yes No

If yes, what method is used: Surface applied Injected Incorporated

Does the plan identify appropriate volatilization rates based on the method of application? ... Yes No

Does the plan include the application of wastewater to fields via an irrigation system? Yes No

If yes:

Does the plan identify the type of irrigation system? Yes No

Does the plan include provisions to minimize ponding or puddling of wastewater on land application fields? Yes No

Does the plan address the management of drainage water to prevent surface or groundwater contamination? Yes No

Does the plan include specific restrictions or adequate management practices to prevent water pollution from the application of manure/wastewater to flooded, saturated, frozen, or snow-covered ground? Yes No

Does the plan address inspection and maintenance of land application equipment? Yes No

Does the plan require periodic calibration of manure application equipment? Yes No

Are the application rates identified in the plan appropriate? Yes No

Notes: _____ *NMP specifies land application but operator typically only irrigates with process wastewater from RCS #9 while for the remainder evaporation is used. Solid manure is typically sent offsite.* _____

Terms for Minimum Practice: Protocols for Land Application of Manure and Wastewater, Rate Determination/Nutrient Application Information (identify below or reference NMP section(s)):

Minimum Practice: Record Keeping

Identify the records that the plan indicates will be maintained at the facility.

Production Area Records

Weekly inspections of stormwater and runoff diversion devices and devices for channeling contaminated stormwater to wastewater containment structures Yes No

Weekly inspections of manure, litter, and process wastewater impoundments Yes No

Weekly storage facility wastewater level, as indicated on a depth marker .*Only RCS#9*..... Yes No

Daily water line inspections*Weekly reports document repairs made*..... Yes No

Actions taken to correct deficiencies identified as a result of daily and weekly inspections ...*But none noted*..... Yes No

Manure/wastewater storage—date of emptying, level before emptying, and level after emptying, or quantity removed (dry manure)*None documented since 4/09*..... Yes No

The date, time, and volume of any overflow*None documented*..... Yes No

Records documenting that mortalities were not disposed of in any liquid manure or process wastewater system and that mortalities were handled to prevent the discharge of pollutants to surface water Yes No

On-site precipitation Yes No

Animal Inventory Yes No

Land Application Records *No applications documented since current permit issued.*

Manure and wastewater sample nutrient analysis test methods and results that will be used to calculate land application rates Yes No

Soil sample analysis test methods and results that will be used to calculate land application rates Yes No

Manure and wastewater application equipment inspection log Yes No

Maintenance log of all equipment necessary to control discharge and meet permit requirements (e.g., maintenance of land application equipment) Yes No

Annual calculation of the maximum amount of manure or wastewater to be land applied, before application Yes No

Crop planting/harvest dates by field or CMU*But none harvested yet*..... Yes No

Crop type and yield by field or CMU – bushels/acre (seasonally)*ditto*..... Yes No

For each land application event, the date, rate (tons of manure or gallons of wastewater/acre or pounds of N and P per acre), weather conditions during and for 24 hours before and after application, application method, and equipment used by field or CMU (daily during application).....*NA*..... Yes No

The total amount of N and P applied to each field, including calculations Yes No

Lease/Rental/Access Agreements for all land not owned by the operator*NA*..... Yes No

Off-site Transfer of Manure and Wastewater Records

Date of each transfer Yes No

The name and address of the recipient (for each transfer) Yes No

Quantity transferred (for each transfer) Yes No

Documentation that the most current nutrient analysis was provided to the recipient Yes No

Does the plan require that any additional records be maintained at the facility? Yes No

If yes, what are those records? _____

Does the plan include an emergency action plan to address spills and catastrophic events? .. Yes No

Terms for Minimum Practice: Record Keeping (identify below or reference NMP section(s)):

Part C – Determination of Plan Adequacy

[Note: This section is to be used by the NMP reviewer to evaluate the overall adequacy of the plan based on the information in Parts A and B and does not necessarily reflect information expected to be contained in the NMP.]

Does the plan adequately address the storage, handling, and application of manure and wastewater to prevent the discharge of pollutants to waters of the United States? Yes No

Is the plan consistent with the technical standards for nutrient management established by the Director with regard to protocols for manure and soil testing and land application protocols including nutrient transport risk assessment methods and methods and data used to determine application rates? Yes No

Have there been past discharges to waters of the United States from the facility? ..Unknown.. Yes No

If yes, does the plan include sufficient measures to address the cause of the past discharge and prevent future discharges? Yes No

Does the plan require revision? Yes No

If yes, what specific components of the plan require revision?

Additional Review Comments: _____ See Further Explanations for retention control structure adequacy _____
