

ADEQ

ARKANSAS
Department of Environmental Quality

November 25, 2014

Jason Henson, Owner
C&H Hog Farms
HC 72 Box 10
Mt. Judea, AR 72655

RE: C&H Hog Farms Inspection
AFIN: 51-00164 Permit No.: ARG590001

Dear Mr. Henson:

On November 5, 2014, Clark Baker, District 9 Field Inspector, and I performed a Compliance Evaluation Inspection of the above referenced facility in accordance with the provisions of the Federal Clean Water Act, the Arkansas Water and Air Pollution Control Act, and the regulations promulgated thereunder. A copy of the inspection report is enclosed for your records.


No violations were noted at the time of the inspection. Please refer to the attached inspection report for any comments.

If I can be of any assistance please contact me at Bolenbaugh@adeq.state.ar.us or 501-682-0659.

Sincerely,




Jason Bolenbaugh
Inspection Branch Manager
Water Division

 A R K A N S A S Department of Environmental Quality		WATER DIVISION INSPECTION REPORT				
		AFIN: 51-00164		PERMIT #: ARG590001		DATE: 11/5/2014
		COUNTY: 51 Newton			PDS #: 081071	MEDIA: WN
		GPS LAT: 35.923155 LONG: -93.073633 LOCATION: Entrance				
FACILITY INFORMATION			INSPECTION INFORMATION			
NAME: C&H Hog Farms LOCATION: CITY: Mt. Judea			FACILITY TYPE: ***** INSPECTOR ID#: 83321 S - State FACILITY EVALUATION RATING: *** INSPECTION TYPE: Compliance Evaluation DATE(S): 11/5/2014 ENTRY TIME: 09:41 EXIT TIME: 12:01 PERMIT EFFECTIVE DATE: 8/3/2012 PERMIT EXPIRATION DATE: 10/31/2016			
RESPONSIBLE OFFICIAL			FAYETTEVILLE SHALE RELATED: ***			
NAME / TITLE: Jason Henson / Owner COMPANY: C&H Hog Farms MAILING ADDRESS: HC 72 Box 10 CITY, STATE, ZIP: Mt. Judea AR 72655 PHONE & EXT. / FAX: EMAIL:			FAYETTEVILLE SHALE VIOLATIONS: ***			
CONTACTED DURING INSPECTION: ***			INSPECTION PARTICIPANTS			
			NAME/TITLE/PHONE/FAX/EMAIL/ETC.: Clark Baker/ADEQ Water Division Inspector Jason Henson/C&H Hog Farms			
AREA EVALUATIONS						
(S=Satisfactory, M=Marginal, U=Unsatisfactory, N=Not Applicable/Evaluated)						
**	PERMIT	**	FLOW MEASUREMENT	**	STORMWATER	
S	RECORDS/REPORTS	**	LABORATORY	**	FACILITY SITE REVIEW	
S	OPERATION & MAINTENANCE	**	EFFLUENT/RECEIVING WATER	**	SELF-MONITORING PROGRAM	
**	SAMPLING	**	SLUDGE HANDLING/DISPOSAL	**	PRETREATMENT	
**	OTHER:					
SUMMARY OF FINDINGS						
<p>1. While gathering information pertaining to the Phosphorus Index (PI), two PI spreadsheets were submitted that included the following field designations: H1A, H6A, H7A, H8A, H9A, H10A, H12A, H13A, H13B, H15A, and H15B. These designations indicate either a new field (i.e. H7A) or a subset of a currently authorized field (i.e. H15A and H15B are sections of current H15). This PI is planned to be submitted in the future as part of a major modification. Application records indicate no application has taken place on the above referenced fields and the permittee is aware that no application can occur on those fields until authorization has been gained.</p> <p>2. Land application records indicate land application has only occurred on the following authorized fields: H1, H2, H3, H4, H7, H8, H9, H10, H11, H12, H13, H14, H15, H16, and H17 (Attachment A).</p> <p>3. A revised PI was submitted on November 24, 2014 to include only current authorized fields (Attachment B). A review of the PI for Application Timing July through October revealed the permittee is land applying using a P Index Range of Medium or Low, and has not exceeded the allowable application rate for those ranges (Attachment C).</p>						

GENERAL COMMENTS

1. The facility currently had 2,490 swine over 55 lbs. including the 3 boars, and 1100 swine under 55 lbs. The facility has begun using hand-held devices that allow them to maintain current records such as the number of swine on-hand or the number of mortalities. They are also maintaining hard copies of the records on site.
2. Records are being maintained per Section B.2 of the Nutrient Management Plan (NMP).
3. Fields 13, 15, and 17 were visited and the facility is maintaining set back requirements and no runoff was documented. According to the application records (Attached), the last day of application was October 30, 2014.
4. Only 9 of 65 recorded application days occurred on a Saturday or Sunday. No land application activities had occurred on a holiday. It isn't a permit violation to land apply on weekends or holidays but it was a topic mentioned in a complaint.
5. On June 5, 2014 a modification to the NMP became effective that allowed the facility to land apply via a vac tanker to land application Fields 7, 8, and 9. Since that time the facility has land applied to those fields 4 times, once, and twice respectively.
6. All waste that is land applied is being pumped from Waste Storage Pond #1 and is being applied via two vac tankers that hold a capacity of 3,000 gallons and 2,600 gallons each. Waste from Waste Storage Pond #2 is used as wash water in the barn that eventually empties into Waste Storage Pond #1. Per the NMP, the facility only proposes to land apply waste from Waste Storage Pond #2 using a permanent pipeline sprinkler system which is not installed.
7. Land application records indicate waste has not been applied to Fields 5 and 6.
8. The facility has hired American Interplex to conduct any sampling should it be required per Part 2.3 of the permit.
9. The facility was reminded the annual report is due January 31, 2015.

INSPECTOR'S SIGNATURE:  Jason Bolenbaugh	DATE: 11/25/2014
SUPERVISOR'S SIGNATURE: ←Click text to left to add signature -Supervisor Name	DATE:

Water Division Photographic Evidence Sheet

Location:	C&H Hog Farms				
Photographer:	Jason Bolenbaugh	Date:	11/5/2014	Time:	
Witness:	Clark Baker	Photo #:	1		
Description:	Entrance to the facility.				



Photographer:	Jason Bolenbaugh	Date:	11/5/2014	Time:	10:35
Witness:	Clark Baker	Photo #:	2		
Description:	Waste Storage Pond #2.				



Water Division Photographic Evidence Sheet

Location:	C&H Hog Farms				
Photographer:	Jason Bolenbaugh	Date:	11/5/2014	Time:	10:36
Witness:	Clark Baker	Photo #:	3		
Description:	Waste Storage Pond #1.				



Photographer:	Jason Bolenbaugh	Date:	11/5/2014	Time:	10:36
Witness:	Clark Baker	Photo #:	4		
Description:	Spillway from Waste Storage Pond #1 to Waste Storage Pond #2.				



Water Division Photographic Evidence Sheet

Location:	C&H Hog Farms		
Photographer:	Jason Bolenbaugh	Date:	11/5/2014
Time:	11:04	Witness:	Clark Baker
Photo #:	5	Description:	Southeast corner of Field 13 looking northwest.



Photographer:	Jason Bolenbaugh	Date:	11/5/2014
Time:	11:04	Witness:	Clark Baker
Photo #:	6	Description:	Southwest corner of Field 13 looking south. Facility does not land apply in the area photographed which is a noticeable difference from the above photograph that is land applied to.



Water Division Photographic Evidence Sheet

Location:	C&H Hog Farms		
Photographer:	Jason Bolenbaugh	Date:	11/5/2014
Witness:	Clark Baker	Time:	11:25
		Photo #:	7
Description:	Field 17		



Photographer:	Jason Bolenbaugh	Date:	11/5/2014
Witness:	Clark Baker	Time:	11:27
		Photo #:	8
Description:	Field 17		



Water Division Photographic Evidence Sheet

Location:	C&H Hog Farms				
Photographer:	Jason Bolenbaugh	Date:	11/5/2014	Time:	11:44
Witness:	Clark Baker	Photo #:	9		
Description:	Field 15				



Photographer:	Jason Bolenbaugh	Date:	11/5/2014	Time:	11:46
Witness:	Clark Baker	Photo #:	10		
Description:	Field 15				



Attachment A: Application records from December 27, 2013 to October 30, 2014.

DATE	FIELD	TEMP	WIND/DIR	HOUR'S	GAL	CROP	METHOD	TOTAL ACRES
12/27/2013	15	45	E AT 4	1	3,000	MIXED	HONEYWAGON	1
12/30/2013	15	40	SW AT 7	2	6,000	MIXED	HONEYWAGON	2
12/31/2013	15	52	S AT 4	6	24,000	MIXED	HONEYWAGON	9
1/16/2014	15	51	NW 16	5	18,000	MIXED	HONEYWAGON	7
1/16/2014	17	51	NW 16	2	6,000	MIXED	HONEYWAGON	2
1/19/2014	3	59	SSW 8	4	18,000	MIXED	HONEYWAGON	6
1/20/2014	15	66	NNW 6	6	36,000	MIXED	HONEYWAGON	13
1/25/2014	3	55	NNW 2	5	38,500	MIXED	HONEYWAGON	6
3/11/2014	13	73	SE 10 to 15	4	33,000	MIXED	HONEYWAGON	11
3/14/2014	13	75	sww 10	10	57,500	MIXED	HONEYWAGON	19
3/21/2014	13	70	SSW7	11	87,000	MIXED	HONEYWAGON	29
3/22/2014	14	59	ssw9	6	45,000	MIXED	HONEYWAGON	15
3/24/2014	11	56	E AT 4	7	51,000	MIXED	HONEYWAGON	17
3/31/2014	15	70	s se 13	5	42,000	MIXED	HONEYWAGON	14
4/1/2014	1	72	s 10	3	18,000	MIXED	HONEYWAGON	6
4/1/2014	4	72	s 10	1	3,000	MIXED	HONEYWAGON	1
4/1/2014	15	72	s 10	5	45,000	MIXED	HONEYWAGON	15
4/1/2014	17	72	s 10	5	30,000	MIXED	HONEYWAGON	10
4/1/2014	17	72	s 10	10	3,000	MIXED	HONEYWAGON	10
4/18/2014	10	71	e2	20	60,000	MIXED	HONEYWAGON	15
4/18/2014	17	72	e3	5	30,000	MIXED	HONEYWAGON	5
4/22/14	10	73	nnw 8	6	18,000	MIXED	HONEYWAGON	6
4/22/14	12	73	nnw 8	7	48,000	MIXED	HONEYWAGON	9.9
4/22/14	17	73	nnw 8	7	21,000	MIXED	HONEYWAGON	7
4/25/14	17	72	nnw 4	12	36,000	MIXED	HONEYWAGON	12
5/6/14	4	84	sse 16	4	12,000	MIXED	HONEYWAGON	4
5/6/14	10	84	sse 16	10	51,000	MIXED	HONEYWAGON	14
6/4/14	1	88	s 12	7	28,000	MIXED	HONEYWAGON	7
6/4/14	2	88	s 12	6	22,600	MIXED	HONEYWAGON	6
6/4/14	4	88	s 12	9	13,800	MIXED	HONEYWAGON	3.5
6/16/14	15	89	s 9	9	25,400	MIXED	HONEYWAGON	9
6/17/14	15	89	s12	6	16,800	MIXED	HONEYWAGON	6
6/18/14	7	90	s12	10	133,000	MIXED	HONEYWAGON	29
6/18/14	15	90	s12	6	16,800	MIXED	HONEYWAGON	6
6/19/14	15	89	s5	4	11,200	MIXED	HONEYWAGON	4
6/19/14	16	90	s 7	9	56,000	MIXED	HONEYWAGON	9
6/30/14	7	89	s4	10	67,200	MIXED	HONEYWAGON	15
7/1/14	17	88	s7	9	25,000	MIXED	HONEYWAGON	9
7/3/14	7	88	s8	10	87,000	MIXED	HONEYWAGON	19
7/6/14	9	91	s6	10	72,800	MIXED	HONEYWAGON	25
7/6/14	17	91	s6	8	22,400	MIXED	HONEYWAGON	8

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7/14/14	17	87	s8	6	16,800	MIXED	HONEYWAGON	6
7/21/14	10	92	s2	8	67,200	MIXED	HONEYWAGON	15
7/22/14	10	93	s3	6	53,000	MIXED	HONEYWAGON	14
7/22/14	17	93	s2	4	11,800	MIXED	HONEYWAGON	4
7/28/14	8	91	s4	9	25,000	MIXED	HONEYWAGON	9
7/28/14	15	91	s4	3	8,200	MIXED	HONEYWAGON	3
8/5/14	3	91	s5	9	61,600	MIXED	HONEYWAGON	15
8/5/14	9	91	s5	10	31,000	MIXED	HONEYWAGON	10
8/13/14	13	90	s8	10	44,800	MIXED	HONEYWAGON	14
9/23/14	13	78	SE 8	10	58,000	MIXED	HONEYWAGON	19
9/24/14	13	82	se9	9	27,500	MIXED	HONEYWAGON	9
10/7/14	15	82	se6	10	90,000	MIXED	HONEYWAGON	29
10/17/14	15	81	se3	10	57,500	MIXED	HONEYWAGON	20
10/18/14	15	78	se6	12	34,500	MIXED	HONEYWAGON	12
10/19/14	17	81	se8	6	18,000	MIXED	HONEYWAGON	6
10/20/14	17	81	s5	10	46,000	MIXED	HONEYWAGON	16
10/21/14	13	82	s3	9	28,750	MIXED	HONEYWAGON	9
10/21/14	17	82	s3	10	28,750	MIXED	HONEYWAGON	10
10/22/14	13	80	s3	4	12,000	MIXED	HONEYWAGON	4
10/24/14	13	80	sw4	5	14,200	MIXED	HONEYWAGON	5
10/25/14	7	82	se5	10	109,000	MIXED	HONEYWAGON	60
10/26/14	13	83	sw8	10	62,800	MIXED	HONEYWAGON	22
10/30/14	13	80	sw7	5	28,000	MIXED	HONEYWAGON	10
10/30/14	14	80	sw7	5	28,000	MIXED	HONEYWAGON	8

Attachment B: A portion of the revised PI submitted by the permittee on November 24, 2014.

Field	Pasture Use	Application Method	Application Timing	Nutrient Source	Application Rate		Pre BMP PI Value	P Index Range	Target Post BMPs PI Values
H1	Continuously Grazed >0.75 An.Units	Surface Applied	July-Oct	WSP #1	9.54	1000 gal/ac	30	Low	40
H2	Continuously Grazed >0.75 An.Units	Surface Applied	July-Oct	WSP #1	5.67	1000 gal/ac	36	Medium	40
H3	Rotational Grazing	Surface Applied	July-Oct	WSP #1	7.91	1000 gal/ac	35	Medium	40
H4	Continuously Grazed >0.75 An.Units	Surface Applied	July-Oct	WSP #1	6.42	1000 gal/ac	36	Medium	40
H7	Rotational Grazing	Surface Applied	July-Oct	WSP #1	7.23	1000 gal/ac	35	Medium	40
H8	Rotational Grazing	Surface Applied	July-Oct	WSP #1	17.03	1000 gal/ac	30	Low	40
H9	Rotational Grazing	Surface Applied	July-Oct	WSP #1	8.79	1000 gal/ac	34	Medium	40
H10	Rotational Grazing	Surface Applied	July-Oct	WSP #1	17.83	1000 gal/ac	28	Low	40
H11	Continuously Grazed >0.75 An.Units	Surface Applied	July-Oct	WSP #1	7.27	1000 gal/ac	36	Medium	40
H12	Rotational Grazing	Surface Applied	July-Oct	WSP #1	8.18	1000 gal/ac	35	Medium	40
H13	Rotational Grazing	Surface Applied	July-Oct	WSP #1	9.54	1000 gal/ac	17	Low	40
H14	Rotational Grazing	Surface Applied	July-Oct	WSP #1	9.54	1000 gal/ac	17	Low	40
H15	Rotational Grazing	Surface Applied	July-Oct	WSP #1	9.54	1000 gal/ac	18	Low	40
H16	Rotational Grazing	Surface Applied	July-Oct	WSP #1	9.07	1000 gal/ac	35	Medium	40
H17	Rotational Grazing	Surface Applied	July-Oct	WSP #1	9.54	1000 gal/ac	17	Low	

Attachment C: Application records showing the permittee has not exceeded the allowable application rates for a designated field a P Index Range during the July through October Application Timing.

DATE	FIELD	HOUR'S	GAL	TOTAL ACRES	Application Rate (gallons/acre)	Allowable Application Rate (gallons/acre)	P Index Range	% Allowable	Application Timing
7/1/14	17	9	25,000	9	2777.78	9540	Low	29.12	July-Oct
7/3/14	7	10	87,000	19	4578.95	7230	Medium	63.33	July-Oct
7/6/14	9	10	72,800	25	2912.00	8790	Medium	33.13	July-Oct
7/6/14	17	8	22,400	8	2800.00	9540	Low	29.35	July-Oct
7/14/14	17	6	16,800	6	2800.00	9540	Low	29.35	July-Oct
7/21/14	10	8	67,200	15	4480.00	17830	Low	25.13	July-Oct
7/22/14	10	6	53,000	14	3785.71	17830	Low	21.23	July-Oct
7/22/14	17	4	11,800	4	2950.00	9540	Low	30.92	July-Oct
7/28/14	8	9	25,000	9	2777.78	17030	Low	16.31	July-Oct
7/28/14	15	3	8,200	3	2733.33	9540	Low	28.65	July-Oct
8/5/14	3	9	61,600	15	4106.67	7910	Medium	51.92	July-Oct
8/5/14	9	10	31,000	10	3100.00	8790	Medium	35.27	July-Oct
8/13/14	13	10	44,800	14	3200.00	9540	Low	33.54	July-Oct
9/23/14	13	10	58,000	19	3052.63	9540	Low	32.00	July-Oct
9/24/14	13	9	27,500	9	3055.56	9540	Low	32.03	July-Oct
10/7/14	15	10	90,000	29	3103.45	9540	Low	32.53	July-Oct
10/17/14	15	10	57,500	20	2875.00	9540	Low	30.14	July-Oct
10/18/14	15	12	34,500	12	2875.00	9540	Low	30.14	July-Oct
10/19/14	17	6	18,000	6	3000.00	9540	Low	31.45	July-Oct
10/20/14	17	10	46,000	16	2875.00	9540	Low	30.14	July-Oct
10/21/14	13	9	28,750	9	3194.44	9540	Low	33.48	July-Oct
10/21/14	17	10	28,750	10	2875.00	9540	Low	30.14	July-Oct
10/22/14	13	4	12,000	4	3000.00	9540	Low	31.45	July-Oct
10/24/14	13	5	14,200	5	2840.00	9540	Low	29.77	July-Oct
10/25/14	7	10	109,000	60	1816.67	7230	Medium	25.13	July-Oct
10/26/14	13	10	62,800	22	2854.55	9540	Low	29.92	July-Oct
10/30/14	13	5	28,000	10	2800.00	9540	Low	29.35	July-Oct
10/30/14	14	5	28,000	8	3500.00	9540	Low	36.69	July-Oct