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CERTIFIED MAIL NO. 7008 0500 0000 05853 3127
RETURN RECEIPT REQUESTED

February 9, 2011

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Enforcement Section (#40)
P.O. Box 19276
Springfield, IL 62794

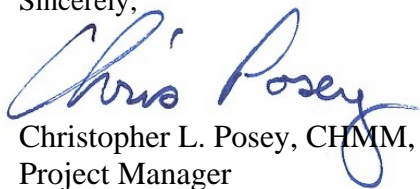
RE: Quarterly Compliance Report – 4th Calendar Quarter 2010
Adkins Energy, LLC
4350 West Galena Road
Lena, IL 61048
Site ID No: 177802AAA
FESOP Permit No: 03060057
DDGS Dryer/RTO Construction Permit No: 03040053
Standby Compression Ignition Construction Permit No: 07070030
Fermentation Construction Permit No: 07090050
RTO and Plant Capacity Increase Construction Permit No: 07110047
Corn Oil Extraction System Permit No: 07050002

Dear Sir/Madam:

Oh behalf of Adkins Energy, LLC, please find enclosed two (2) copies of the quarterly compliance report for the fourth calendar quarter (October through December) 2010.

If you have any questions or need any additional information, please do not hesitate to contact Jason Townsend at 815-369-9173 or this office.

Sincerely,



Christopher L. Posey, CHMM, LEED GA
Project Manager

CLP:mll

K:\Sec\SEC 2011\11-301\4th Quarter 2010 Report\CLP 11-301 - 4th Quarter 2010 Cover Letter.doc
Enclosure

cc: Mr. Dean Haden, IEPA – Peoria (with enclosure)
Certified Mail Number: 7008 0500 0000 0553 3134
Mr. Todd Block, Adkins Energy, LLC (with enclosure)
Mr. Mert Green, Adkins Energy, LLC (with enclosure)

Quarterly Compliance Report

**In Accordance with FESOP Permit Number 03060057
DDGS Dryer/RTO Construction Permit No. 03040053
Standby Compression Ignition Engine Construction Permit No. 07070030
Fermentation Scrubber Construction Permit No. 07090050
RTO and Plant Capacity Increase Construction Permit No. 07110047
Corn Oil Extraction System Permit No. 07050002**

Prepared for:
Adkins Energy, LLC
4350 West Galena Road
Lena, IL 61048
Site ID No: 177802AAA

Prepared by:
Fehr-Graham & Associates
221 East Main Street
Freeport, IL 61032

Project No: 11-301

February 2011



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EXHIBITS

Exhibit 1	ARI Environmental Semi-Annual Leaking Components Summary Report
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1.0 Introduction/Plant Wide Conditions

The purpose of this report is to satisfy the quarterly reporting requirements as identified in Special Condition 3.5.b of Adkins Energy LLC's FESOP Permit No: 03060057. This report covers the 4th calendar quarter (October through December) 2010. This report also satisfies the quarterly reporting requirements identified in the following construction permits:

- Special Condition 1.10.c of the facility's DDGS Dryer/RTO Construction Permit No: 03040053
- Special Condition 1.10 b) of the facility's Standby Compression Ignition Engine Construction Permit No: 07070030
- Special Condition 1.10 a) and e) of the facility's Fermentation Scrubber Construction Permit No: 07090050
- Special Condition 1.10 a) and e) and new limitations in Sections 2 and 3 of the facility's RTO and Plant Capacity Increase Construction Permit No: 07110047
- Special Condition 1.10 a) of the facility's Corn Oil Extraction System Construction Permit No: 07050002

Additionally, this report satisfies the semi-annual reporting requirements as identified in 40 CFR 60.487 (Subpart VV) for the first six (6) months (July through December) of 2010.

There was one deviation from the requirements in Section 1.0 Plant Wide Conditions during this reporting period. While downloading data from the meteorological station on November 29, 2010, it was found that the battery connection at the remote monitoring station had become loose. This caused it to not collect data since November 15, 2010. A deviation report was submitted immediately. Adkins Energy,

LLC was in compliance with all plant-wide operating and production limitations identified in the applicable permits during the 4th calendar quarter 2010, as determined monthly based on a running total of twelve (12) months of data, pursuant to the permit.

2.0 Unit Specific Conditions

2.1 Boilers

There were no deviations from permit requirements for this equipment during this reporting period.

2.2 Gas Turbine

There were no deviations from permit requirements for this equipment during this reporting period.

2.3 Grain Receiving and Handling

There were no deviations from permit requirements for this equipment during this reporting period.

2.4 Fermentation

Modifications were made under a construction permit (06010009) to route the fermentation exhaust gas through the RTO stack to allow for better dispersion. Table 11 shows the times that the fermentation scrubber vent stack was open to the atmosphere during the quarter, rather than venting to the RTO. These times do not constitute a deviation, unless identified in Table 10, which describes in detail the deviations during

the quarter. Immediate notifications and excess emissions estimates were submitted as appropriate. In addition to the deviation identified in Table 10 due to a plant power outage, a fermentation tank was purged for inspection on October 12, 2010. A notification, including excess emissions estimated from the purging, was submitted as appropriate, in advance of the planned inspection.

Two (2) additional construction permits associated with the fermentation operations were issued in 2007. One construction permit (07090050) was for the installation of a “new” fermentation scrubber, consisting of a combination of the body of the original scrubber that was installed with the plant and the scrubber packing of the current scrubber. The second construction permit (07110047) was for the installation of a regenerative thermal oxidizer to control fermentation in place of the scrubber.

The RTO was installed downstream of the scrubber, allowing the scrubber to function primarily as a product recovery device, with the RTO controlling emissions from the fermentation process. To allow for maintenance and repair as well as unplanned outages of the RTO, the fermentation units are allowed to operate for up to 336 hours with the scrubber providing emission control. The RTO combustion temperature is shown in Figure 2 along with the Dryer RTO combustion temperature. Figures 7-9 show the temperatures recorded at the fermentation scrubber during the 4th quarter 2010, as well as the corresponding CIP tank level during that time period.

2.5 Distillation

Excess emissions from the distillation equipment as a result of the opening of the dryer emergency vent valve due to an unplanned dryer shutdown are identified in Section 2.6 Feed Drying and Handling.

As shown in Table 4, there was one potential scrubber deviation event recorded during the quarter. Events are only considered a deviation event if the process scrubber is online at the time, as indicated in Table 6. Additionally, temperature deviations are not considered cause for excess emissions, regardless of whether the temperature deviation is a result of a CIP event, provided the scrubber is otherwise operating properly. Figures 10-12 show the temperatures recorded at the distillation scrubber during the 4th quarter 2010, as well as the corresponding CIP tank level during that period. Uncontrolled VOM and HAP emissions from the distillation process during actual events are documented in Table 5. Distillation process deviation emission rates are assumed to be equal to the uncontrolled distillation process emissions measured at the distillation scrubber inlet during the August 2003 scrubber compliance demonstration test. Dryer emissions are addressed in the feed drying section of this report.

2.6 Feed Drying and Handling

This quarterly report includes the following information as it relates to Feed Drying and Handling:

- Summary of Dryer/RTO Operations and Operating Rates
- Dryer/RTO Emissions
 - Dryer Deviation Emissions
 - Distillation Scrubber Deviation Emissions
- Dryer/RTO Deviations

- Other Dryer Feed Interruptions
- Dryer Operating Trend Data

Summary of RTO Operations

The average dryer feed rate (wet cake plus syrup) averaged approximately 28.08 tons per hour (tph) during the quarter which compares to a compliance test feed rate of 30.2 tph. Dryer natural gas consumption averaged 52.49 MMBtu/hr during the quarter.

Dryer Emissions

Table 1 also presents a summary of dryer/RTO emissions during the quarter. All dryer operating hours were multiplied by the hourly emission rates measured during the compliance demonstration test to determine normal process emissions. Short-term hourly emissions rates are less than the permitted short-term emission limitations and the total quarterly emissions, projected to annual emissions are less than permitted annual emissions.

Deviation emissions occur when an unplanned dryer shutdown triggers the opening of the dryer emergency vent stack allowing uncontrolled emissions from the dryer to be vented directly to the atmosphere. The emergency vent stack opens automatically in response to a number of dryer operating conditions that, when exceeded, may represent a safety hazard to plant personnel and equipment. Unexpected events that result in the emergency vent valve opening results in uncontrolled emissions from the dryer and/or distillation process (distillation scrubber). These deviations are described as follows:

Dryer Emission Deviation Events: Table 2 identifies three (3) events during the quarter where the dryer emergency vent valve was opened during dryer operation. The events totaled 4 hours and 30 minutes that the vent was opened. Emissions from these events are identified in Table 3.

Emissions are calculated using data presented on Tables 8 and 9. When the emergency vent valve is opened (and the valve allowing dryer exhaust to go to the RTO is closed), the wet feed is stopped and the dryer burner is driven to the low fire position and shut down over an approximately one (1) to three (3) minute period depending on the cause of the event. The dryer combustion air fan speed decreases in relation to the dryer burner gas valve position reducing the amount of combustion air entering the dryer. As a result, the dryer recirculation fan speed is also decreased, reducing the gas discharge rate through the emergency vent. Due to the lack of specific gas flow rate and emission rate measurements from a shutdown event, a number of conservative assumptions have been made to estimate uncontrolled dryer emissions. Each of the assumptions introduces a high bias to the estimated emissions.

Dryer VOC and HAP emissions are assumed to be related to dryer inlet temperatures. Data from dryer burner shutdowns shows that the dryer inlet temperature decreases from approximately 740°F normal operating temperature to approximately 250°F in about three (3) minutes. NO_x and CO emission decrease and cease with the shutdown of the dryer burner. The dryer inlet temperature continues to decrease to approximately 160°F (the temperature of the wet cake discharged from the centrifuges) in about fifteen (15) minutes. At this point, VOC and HAP emissions should be insignificant.

Table 8 shows that emissions during the first three (3) minutes of the shutdown event (time required to reduce dryer inlet temperature to 250°F) are assumed to be equal to the full uncontrolled emission rate (lb/min) measured at the RTO inlet during the compliance demonstration test. Over the next 12 minutes, the dryer inlet temperature decreases to approximately 160°F. During this period, dryer emissions are assumed to be equal to the average of the uncontrolled emission rates at 740°F and projected emissions at 160°F. During the next 45 minutes of a shutdown event, the dryer inlet temperature continues to decrease. Emissions during this period are assumed to be equal to the projected emission rates at 160°F. When the dryer duct temperatures reduce to 130°F, final shutdown occurs where all fans are stopped, effectively ending the emissions event. The time required for temperatures to reach 130°F will vary based on the ambient temperatures, however, in any case, the time is not expected to exceed 90 minutes.

Assumed emissions rates from 61 to 90 minutes following a shutdown are assumed to equal to the projected emission rates (lb/min) at 160°F reduced by the ratio of 5,000 / 44,500 acfm, which represents the reduction in gas flow through the dryer vent. The measured gas flow rate at the RTO inlet was approximately 44,500 acfm during the dryer compliance test. The dryer vent gas flow is anticipated to reduce to approximately 5,000 cfm by the time the dryer inlet temperature reaches 160°F.

Table 9 presents a summary of the total calculated emissions (lbs) from any dryer shutdown event ranging from 1 minute to 90 minutes. The values in Table 9 were used in Table 3 to estimate total dryer deviation emission from each event. This table will be used for estimating future dryer deviation emissions as well.

Distillation Scrubber Emission Deviations: Distillation scrubber emissions are also vented to the RTO for VOC control. During an unexpected dryer shutdown and the emergency vent opens, distillation process emissions continue to be directed toward the RTO, and therefore are discharged through the emergency vent stack for several minutes until plant operators manually close an isolation valve and start the distillation scrubber fan and water flow. Scrubber deviation emissions are estimated based on the number of minutes from opening of the emergency vent stack and a positive scrubber pressure drop (and positive water flow rate), indicating that gas is flowing through the scrubber, is recorded. The time required to transition distillation process gas flow from the RTO to the scrubber varies depending on the severity of the dryer shutdown conditions and immediate availability of operators to manually close the valve.

Dryer Deviations

The causes of the dryer deviations are shown in Table 2. The cause of each event is evaluated, and where possible, changes in operating procedures and/or dryer programming are made to reduce repeated shutdowns from a single cause. Where deviations are traced to monitors or sensors, each device is checked and replaced as may be necessary. Where no problems are found at the suspect sensors, dryer programming and operating procedures are evaluated.

Other Dryer Feed Interruptions

When other non-critical operating conditions trigger an alarm and shut down the dryer feed system, the emergency vent valve does not open and dryer exhaust continues to be directed to the RTO. There can be multiple interruptions in dryer feed that do not result in opening the dryer emergency vent and these events are not reported because there are no excess emissions. Typically non-critical dryer feed interruptions are quickly corrected and feed is resumed. However, during prolonged feed interruptions, the dryer burner eventually shuts down. During non-critical feed interruptions, the RTO continues to operate normally and distillation emissions continue to be treated in the RTO.

Each time the dryer burner must be re-started, National Fire Protection Association (NFPA) and insurance requirements dictate that the dryer must be purged with at least five (5) volumes of ambient air prior to attempting to light the burner. These same requirements prohibit ducting of the purge emissions to a combustion device (RTO). Therefore, each time the dryer burner must be restarted, the emergency vent valve is opened for a period of ten (10) minutes. Normally, by the time the burner can be restarted, 30 to 60 minutes have elapsed and estimated dryer emissions are negligible and distillation process emission, are redirected to the distillation scrubber prior to attempting to restart the burner. These are not excess emissions associated with these events and they are not separately recorded.

Dryer Operating Trend Data

Table 6 identifies the total time that the distillation process emissions are directed to the distillation scrubber. This data is simply tracked to allow calculation of facility emissions because the distillation process emissions are included in the RTO emissions when being treated in the RTO, but must be counted separately when treated in the distillation scrubber.

Table 7 shows the total amount of time the centrifuges are exhausted directly to the atmosphere rather than being treated by the RTO. These events do not represent an emission deviation.

Trend charts for several dryer operating parameters are attached to this quarterly report to provide an indication of the various dryer/RTO operating conditions throughout the quarter. Additional data on any specific period can be provided upon request from the IEPA. The following trend data is provided:

- Figure 1 - Dryer Emergency Vent Valve Position: This chart shows the position of the dryer emergency vent valve. A value of 1.0 indicates that the vent is closed. A value of 0 indicates the vent is open to the atmosphere. Each indication of an open vent is listed in Tables 2 and 3 (in the event that it is caused by a deviation event) or in Table 6 (in the event that it is shut down due to a high demand for wet cake).
- Figure 2 – RTO Combustion Chamber Temperature (°F)
- Figure 3 – Cyclone Differential Pressure (inches water column)
- Figure 4 – Dryer Inlet Temperature (°F)
- Figure 5 – Dryer Outlet Temperature (°F)
- Figure 6 – Dryer Natural Gas Consumption (scfm)

2.7 Storage Tanks

There were no deviations from permit requirements for this equipment during this reporting period.

2.8 Loading Rack

There were no deviations from permit requirements resulting in excess emissions for this equipment during this reporting period.

2.9 Leaking Components

There were no deviations from permit requirements for this equipment during this reporting period. A semi-annual leaking components report for the second six (6) months of 2010, provided by ARI Environmental, is included as Exhibit 1. As shown in Exhibit 1, there was one equipment leaks during the 2nd half of 2010, which occurred

during the 3rd quarter. As indicated in the 3rd quarter report, the leak was repaired within the allowable timeframes pursuant to 40 CFR Subpart VV. When necessary, prompt repair of leaks assures minimal emissions as a result of the leak.

2.10 Bio-Methanator

There were no deviations from permit requirements for this equipment during this reporting period.

2.11 Cooling Tower

There were no deviations from permit requirements for this equipment during this reporting period.

2.12 Roadway/Fugitive Dust

There were no deviations from permit requirements for this equipment during this reporting period.

2.13 Standby Stationary Compression Ignition Engine

There were no deviations from permit requirements for this equipment during this reporting period.

2.14 Corn Oil Extraction System

There were no deviations from permit requirements for this equipment during this reporting period.

3.0 Signature by Responsible Official

Authorized Representative Signature:

Todd Block, General Manager

Signature _____

Date _____

Phone: (815) 369-9173

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TABLES

TABLE 1

4TH QUARTER 2010 DRYER SUMMARY

Table 1.
Fourth Quarter 2010 Summary of DDGS Dryer Operation and Production
Permit No. 03030054 - Dryer/RTO Construction Permit
Adkins Energy LLC - Lena, Illinois

Parameter	Units	4th Quarter 2010	Oct-10	Nov-10	Dec-10	Comments
Calendar Days in Month	days	92	31	30	31	
Total Hours in Quarter	hrs	2,208	744	720	744	Total days x 24 hours/day.
Total Days Dryer Operated	days	89	28	30	31	Entire days where dryer is voluntarily down for market reasons are excluded.
Potential Dryer Hours	hrs	2,136	672	720	744	Operating days x 24 hours/day.
Actual Dryer Hours	hrs	2,067	626	709	732	Reported operating hours including feed interruptions (dryer shutdowns).
Approximate On-Line Percentage	%	96.8%	93.1%	98.5%	98.4%	Actual operating hours / potential operating hours.
Total NG Consumed	MMBtu	108,485	31,686	37,820	38,979	Measured natural gas consumption at dryer.
Average NG Consumption	MMBtu/hr	52.49	50.7	53.3	53.2	
DDGS Production (11.8% m)	tons	23,227	6,465	8,035	8,727	Calculated production confirmed by sales and inventory records.
Average DDGS Production	tons/hr	11.24	10.34	11.33	11.92	Calculated production / actual operating hours.
Average Wet Feed Rate (65.7% m)	tons/hr	28.08	25.8	28.3	29.8	Convert dry solids in DDGS produced to equivalent wet feed (wet cake plus syrup).
DDGS Transfer Conveyor	tons	23,227	6,465.0	8,035.0	8,726.7	Assumes amount produced is amount transferred to storage bldg.
Dryer Emergency Vent Open	hh:mm	04:30	03:00	00:00	01:30	Total time dryer emergency vent is open.
Dist Scrub Vented to Dryer Emergency Vent	hh:mm	00:03	00:03	00:00	00:00	Time distillation scrubber is vented to atmosphere through dryer emergency vent.
DDGS Loadout	tons	24,105	7,118.17	8,487.52	8,499.25	Amount sold.
DDGS inventory (end of month)	tons	976	1,200.67	748.15	975.63	Amount produced - amount sold.

Fourth Quarter 2010
SUMMARY OF DRYER/RTO QUARTERLY EMISSIONS
Adkins Energy LLC - Lena, Illinois

Parameter	Units	Quarterly Process Emissions		Dryer Deviation Emissions		Total Dryer/RTO Emission		Distillation Scrubber Deviation Emissions		Permitted Dryer/RTO Emissions	
		avg lb/hr	tons/qtr	lb/qtr	tons/qtr	lb/qtr	tons/qtr	lb/qtr	tons/qtr	lb/hr	tpy
DDGS Transfer PM Emissions	lb/hr	0.02	0.003	-	-	6.64	0.003	-	-	0.08	0.35
DDGS Loadout PM Emissions	lb/hr	3.80	0.506	-	-	1,012.41	0.506	-	-	5.88	6.62
PM/PM10	lb/hr	2.66	2.749	5.86	0.003	5,503.41	2.752	-	-	7.50	32.85
Carbon Monoxide	lb/hr	1.47	1.519	50.37	0.025	3,088.49	1.544	-	-	9.50	41.61
Nitrogen Oxide	lb/hr	3.80	3.927	-	-	7,853.65	3.927	-	-	8.80	38.54
Sulfur Dioxide	lb/hr	0.20	0.207	-	-	413.35	0.207	-	-	7.50	32.85
Total VOM (M25A/MSF)	lb/hr	1.72	1.772	126.52	0.063	3,671.00	1.835	4.27	0.002	4.00	17.52
Acetaldehyde (HAP)	lb/hr	0.05	0.049	10.57	0.005	108.23	0.054	0.23	0.000	0.50	2.19
Acrolein (HAP)	lb/hr	0.00	0.000	0.06	0.000	0.62	0.000	-	-	1.45	6.35
Formaldehyde (HAP)	lb/hr	0.01	0.012	1.58	0.001	25.69	0.013	-	-	1.45	6.35
Methanol (HAP)	lb/hr	0.12	0.121	1.77	0.001	243.78	0.122	0.00	0.000	1.45	6.35
Total HAPs	lb/hr	0.18	0.182	13.98	0.007	378.31	0.189	0.23	0.000	2.20	9.64

Table 1.
Fourth Quarter 2010 Summary of DDGS Dryer Operation and Production
Permit No. 03030054 - Dryer/RTO Construction Permit
Adkins Energy LLC - Lena, Illinois

Dryer Natural Gas Consumption and DDGS Production/Sales

Oct-10		Ending Inventory September 30-2010						1,853.87
Day	Dryer Natural Gas Usage		DDGS Rate tph	Dryer Operation hrs	DDGS Produced ton	DDGS Sold tons	DDGS Inventory tons	
	therms	MMBtu						
10/01/10	12,016	1,202	11.78	24.00	282.72	383.50	1,753.09	
10/02/10	12,430	1,243	11.57	24.00	277.68		2,030.77	
10/03/10	12,392	1,239	11.07	24.00	265.68		2,296.45	
10/04/10	8,278	828	10.55	16.50	174.08	385.85	2,084.68	
10/05/10	12,415	1,242	11.40	24.00	273.60	634.80	1,723.48	
10/06/10	12,471	1,247	10.50	24.00	252.00	305.36	1,670.12	
10/07/10	12,366	1,237	11.60	24.00	278.40	279.06	1,669.46	
10/08/10	12,505	1,251	10.92	24.00	262.08	341.82	1,589.72	
10/09/10	12,354	1,235	10.82	24.00	259.68		1,849.40	
10/10/10	12,130	1,213	11.50	24.00	276.00		2,125.40	
10/11/10	7,421	742	11.00	13.00	143.00	325.85	1,942.55	
10/12/10		-			-	25.92	1,916.63	
10/13/10		-			-	26.52	1,890.11	
10/14/10		-			-		1,890.11	
10/15/10	1,428	143	6.84	3.50	23.94	203.54	1,710.51	
10/16/10	9,962	996	6.87	24.00	164.88		1,875.39	
10/17/10	10,347	1,035	7.09	24.00	170.16		2,045.55	
10/18/10	10,589	1,059	7.08	24.00	169.92	277.04	1,938.43	
10/19/10	9,574	957	7.83	20.50	160.52	669.36	1,429.58	
10/20/10	11,458	1,146	8.65	24.00	207.60	818.56	818.62	
10/21/10	11,404	1,140	8.60	24.00	206.40	314.12	710.90	
10/22/10	12,178	1,218	10.42	24.00	250.08	227.16	733.82	
10/23/10	10,200	1,020	10.58	20.00	211.60		945.42	
10/24/10	12,420	1,242	11.17	24.00	268.08		1,213.50	
10/25/10	12,734	1,273	11.62	24.00	278.88	282.73	1,209.65	
10/26/10	13,002	1,300	12.04	24.00	288.96	780.71	717.90	
10/27/10	13,309	1,331	11.75	24.00	282.00	339.22	660.68	
10/28/10	13,152	1,315	11.00	24.00	264.00	247.47	677.21	
10/29/10	13,238	1,324	10.94	24.00	262.56	249.58	690.19	
10/30/10	12,535	1,254	10.74	24.00	257.76		947.95	
10/31/10	12,555	1,256	10.53	24.00	252.72		1,200.67	
TOTALS	316,863	31,686	10.34	625.50	6,464.97	7,118.17		
Average		50.66		84.1%				

Dryer Natural Gas Consumption and DDGS Production/Sales

Nov-10		Ending Inventory October 31-2010						1,200.67
Day	Dryer Natural Gas Usage		DDGS Rate tph	Dryer Operation hrs	DDGS Produced ton	DDGS Sold tons	DDGS Inventory tons	
	therms	MMBtu						
11/01/10	12,828	1,283	10.54	24.00	252.96	378.80	1,074.83	
11/02/10	9,303	930	10.62	16.00	169.92	298.38	946.37	
11/03/10	12,700	1,270	11.02	24.00	264.48	331.77	879.08	
11/04/10	11,535	1,154	10.35	24.00	248.40	288.40	839.08	
11/05/10	11,697	1,170	10.34	24.00	248.16	485.72	601.52	
11/06/10	12,027	1,203	10.75	24.00	258.00		859.52	
11/07/10	12,820	1,282	10.73	24.00	257.52		1,117.04	
11/08/10	10,572	1,057	9.30	24.00	223.20	259.49	1,080.75	
11/09/10	13,107	1,311	10.84	24.00	260.16	434.36	906.55	
11/10/10	13,122	1,312	11.57	24.00	277.68	448.51	735.72	
11/11/10	13,166	1,317	11.73	24.00	281.52	333.63	683.61	
11/12/10	13,137	1,314	11.41	24.00	273.84	552.37	405.08	
11/13/10	13,183	1,318	11.54	24.00	276.96		682.04	
11/14/10	13,033	1,303	11.80	24.00	283.20		965.24	
11/15/10	12,462	1,246	11.35	24.00	272.40	307.66	929.98	
11/16/10	12,759	1,276	12.35	24.00	296.40	588.26	638.12	
11/17/10	12,894	1,289	12.28	24.00	294.72	442.12	490.72	
11/18/10	12,991	1,299	11.58	24.00	277.92	477.05	291.59	
11/19/10	12,977	1,298	12.40	24.00	297.60	284.45	304.74	
11/20/10	13,053	1,305	12.05	24.00	289.20		593.94	
11/21/10	13,153	1,315	11.78	24.00	282.72		876.66	
11/22/10	11,223	1,122	11.42	21.25	242.68	217.98	901.36	
11/23/10	12,857	1,286	11.00	24.00	264.00	500.81	664.55	
11/24/10	13,293	1,329	10.88	24.00	261.12	423.29	502.38	
11/25/10	13,244	1,324	11.37	24.00	272.88		775.26	
11/26/10	13,389	1,339	12.08	24.00	289.92		1,065.18	
11/27/10	13,003	1,300	11.35	24.00	272.40		1,337.58	
11/28/10	12,785	1,279	11.47	24.00	275.28		1,612.86	
11/29/10	12,918	1,292	12.17	24.00	292.08	954.23	950.71	
11/30/10	12,969	1,297	11.57	24.00	277.68	480.24	748.15	
		-			-		748.15	
TOTALS	378,200	37,820	11.33	709.25	8,035.00	8,487.52		
Average		53.32		95.3%				

Dryer Natural Gas Consumption and DDGS Production/Sales

Dec-10							Ending Inventory November 30,2010	748.15
Day	Dryer Natural Gas Usage		DDGS Rate tph	Dryer Operation hrs	DDGS Produced ton	DDGS Sold tons	DDGS Inventory tons	
	therms	MMBtu						
12/01/10	13,128	1,313	11.39	24.00	273.36	775.07	246.44	
12/02/10	13,312	1,331	11.62	24.00	278.88	382.41	142.91	
12/03/10	13,470	1,347	11.58	24.00	277.92	298.42	122.41	
12/04/10	13,200	1,320	11.65	24.00	279.60		402.01	
12/05/10	13,281	1,328	11.68	24.00	280.32		682.33	
12/06/10	13,268	1,327	11.14	24.00	267.36	359.98	589.71	
12/07/10	13,379	1,338	11.30	24.00	271.20	497.98	362.93	
12/08/10	13,437	1,344	11.48	24.00	275.52	239.99	398.46	
12/09/10	13,345	1,335	11.55	24.00	277.20	361.45	314.21	
12/10/10	12,382	1,238	11.82	24.00	283.68	314.76	283.13	
12/11/10	12,043	1,204	11.52	24.00	276.48		559.61	
12/12/10	12,207	1,221	10.97	24.00	263.28		822.89	
12/13/10	12,884	1,288	11.50	24.00	276.00	256.50	842.39	
12/14/10	12,898	1,290	12.05	24.00	289.20	179.11	952.48	
12/15/10	13,205	1,321	12.30	24.00	295.20	530.69	716.99	
12/16/10	8,636	864	11.97	17.00	203.49	549.66	370.82	
12/17/10	12,993	1,299	13.13	24.00	315.12	414.72	271.22	
12/18/10	12,215	1,222	13.03	24.00	312.72		583.94	
12/19/10	12,683	1,268	13.73	24.00	329.52		913.46	
12/20/10	12,244	1,224	12.69	24.00	304.56	284.63	933.39	
12/21/10	11,884	1,188	12.57	24.00	301.68	382.16	852.91	
12/22/10	12,066	1,207	12.12	24.00	290.88	446.21	697.58	
12/23/10	12,126	1,213	11.23	24.00	269.52	426.80	540.30	
12/24/10	12,100	1,210	11.52	24.00	276.48		816.78	
12/25/10	12,097	1,210	11.80	24.00	283.20		1,099.98	
12/26/10	11,334	1,133	11.43	22.25	254.32		1,354.30	
12/27/10	11,300	1,130	12.05	20.75	250.04	153.70	1,450.64	
12/28/10	13,367	1,337	12.50	24.00	300.00	791.57	959.07	
12/29/10	12,727	1,273	11.98	24.00	287.52	500.88	745.71	
12/30/10	13,187	1,319	12.00	24.00	288.00	352.56	681.15	
12/31/10	13,388	1,339	12.27	24.00	294.48		975.63	
TOTALS	389,786	38,979	11.92	732.00	8,726.73	8,499.25		
Average		53.25		98.4%				

TABLE 2

DRYER VENT DEVIATION EVENTS

TABLE 3

**UNCONTROLLED DRYER
EMISSIONS TO ATMOSPHERE**

TABLE 4

PROCESS SCRUBBER DEVIATION LOG

TABLE 5

PROCESS SCRUBBER DEVIATION EMISSIONS

Table 5. Process Scrubber Deviation Emissions (uncontrolled emissions through dryer emergency vent)
4th Quarter 2010

Date	Start Time (hh:mm)	End Time (hh:mm)	Duration (hh:mm)	Total VOM (M25A-MSF) (lbs)	Acetaldehyde (lbs)	Acrolein (lb)	Formaldehyde (lbs)	Methanol (lbs)	Total HAPs (lbs)
10/04/10	12:18	12:21	00:03	4.27	0.23	0.00	0.00	0.00	0.23
Totals			00:03	4.27	0.23	0.00	0.00	0.00	0.23

Uncontrolled distillation scrubber emissions are equal to the uncontrolled (scrubber inlet) emissions measured during the August 2003 scrubber compliance demonstration tests. Emission are equal to the number of minutes times 1/60th of the measured scrubber inlet emissions. These emissions are discharged from the dryer emergency vent stack. After an unexpected dryer shutdown occurs, operators must physically close distillation emission manifold valve leading to the RTO, open the distillation emission manifold valve leading to the scrubber, turn on scrubber fan and turn on scrubber water flow.

TABLE 6

PROCESS SCRUBBER ON-LINE TIMES

TABLE 7

CENTRIFUGE EVENTS TO ATMOSPHERE

TABLE 8
EMISSION RATE DATA

Table 8.
Summary of Emission Rate Data Used for Quarterly Report for
Permit No. 03030054 - Dryer/RTO Construction Permit
Adkins Energy LLC - Lena, Illinois

Parameter	Units	Distillation Scrubber Compliance Test August 2003		Dryer / RTO Compliance Test August 2004		Uncontrolled Dryer Emissions (measured at RTO Inlet) Scaled to Dryer Inlet Temperature			Note A	Note B	Note C	Note D	Note E
		Scrubber Inlet	Scrubber Outlet	RTO Inlet	RTO Outlet	Inlet Temp at Shutdown	Inlet Temp at 3 min.	Inlet Temp at 15 min.	Estimated of Dryer Emergency Shutdown Emissions (lb/min)				
									For the first 3 min	for the next 12 min	for the next 45 min	for the next 30 min	after 90 min
Measured Emissions						742 °F	250 °F	160 °F	0 to 3 min	4 to 15 min	16 - 60 min	61 - 90 min	> 90 min
Particulate Matter	lb/hr	NA	NA	3.57	2.66	3.57	1.20	0.77	0.06	0.04	0.02	0.02	-
CO	lb/hr	NA	NA	50.38	1.47	50.38	16.97	10.86	0.84	0.51	0.18	-	-
NOx	lb/hr	NA	NA	NA	3.80								
SO2	lb/hr	NA	NA	NA	< 0.20								
Total VOM (M25A/MSF)	lb/hr	85.33	1.09	122.10	1.72	122.10	41.14	26.33	2.04	1.24	0.44	0.05	-
Acetaldehyde (HAP)	lb/hr	4.62	0.42	10.20	0.05	10.20	3.44	2.20	0.16997	0.10331	0.03665	0.00412	-
Acrolein (HAP)	lb/hr	-	-	0.06	< 0.0003	0.06	0.02	0.01	0.00096	0.00059	0.00021	0.00002	-
Formaldehyde (HAP)	lb/hr	-	-	1.52	< 0.01	1.52	0.51	0.33	0.02538	0.01543	0.00547	0.00061	-
Methanol (HAP)	lb/hr	< 0.06	< 0.00	1.71	< 0.12	1.71	0.58	0.37	0.02854	0.01735	0.00615	0.00069	-
Total HAPs		4.68	0.42	13.49	0.18	13.49	4.55	2.91	0.22485	0.13667	0.04848	0.00545	-

DDGS Material Handling PM Emissions			
DDGS Transfer PM Emissions	lb/ton	Based on .005 gr/cf from baghouse and 140 tpy rate.	0.000286
DDGS Loadout PM Emissions	lb/ton	Based on USEPA lb/ton uncontrolled emission factor.	0.042000

- A. During the first three minutes after burn shutdown temps drop from operating temp to approximately 250°F. Assume conservatively that emissions during first 3 minutes are equal to the full uncontrolled emission rate.
- B. Assume emissions during next 12 mins (minute 4 through 15) are the average of uncontrolled emissions at 742 and 160°F.
- C. Assume emissions for next 45 minutes are emissions at 160°F.
- D. After initiation of shutdown the dryer discharge flow rate will decrease to about 5000 cfm (s.thompson) as fan speeds are reduced. Emissions are assumed to be the emissions at 160°F x (5,000 cfm/44,500 cfm) which was the average RTO inlet flow rate measured during the compliance test (44,500 acfm).
- E. After 90 minutes with the burner off - emissions are negligible because dryer fans are off when duct temp is <130F.
- F. Temp Vs. Time relationship for dryer shutdown taken from dryer inlet temperature trend chart for the dryer shutdown on August 12, 2004 at 1:54 AM.

TABLE 9

ESTIMATED DRYER SHUTDOWN EMISSIONS

**Table 9. Estimated Dryer Shutdown Emissions
Adkins Energy LLC - Lena, Illinois**

Total Dryer shutdown emissions table for periods of time when dryer vents directly to atmosphere and burner shuts down.										
Duration Time (hh:mm)	PM/PM10 (lbs)	CO (lbs)	NOx (lbs)	SO2 (lbs)	Total VOM (M25A/MSF) (lbs)	Acetaldehyde (lbs)	Acrolein (lbs)	Formaldehyde (lbs)	Methanol (lbs)	Total HAPs (lbs)
00:01	0.06	0.84	-	-	2.04	0.17	0.00	0.03	0.03	0.22
00:02	0.12	1.68	-	-	4.07	0.34	0.00	0.05	0.06	0.45
00:03	0.18	2.52	-	-	6.11	0.51	0.00	0.08	0.09	0.67
00:04	0.21	3.03	-	-	7.34	0.61	0.00	0.09	0.10	0.81
00:05	0.25	3.54	-	-	8.58	0.72	0.00	0.11	0.12	0.95
00:06	0.29	4.05	-	-	9.82	0.82	0.00	0.12	0.14	1.08
00:07	0.32	4.56	-	-	11.05	0.92	0.01	0.14	0.15	1.22
00:08	0.36	5.07	-	-	12.29	1.03	0.01	0.15	0.17	1.36
00:09	0.40	5.58	-	-	13.53	1.13	0.01	0.17	0.19	1.49
00:10	0.43	6.09	-	-	14.76	1.23	0.01	0.18	0.21	1.63
00:11	0.47	6.60	-	-	16.00	1.34	0.01	0.20	0.22	1.77
00:12	0.50	7.11	-	-	17.24	1.44	0.01	0.21	0.24	1.90
00:13	0.54	7.62	-	-	18.47	1.54	0.01	0.23	0.26	2.04
00:14	0.58	8.13	-	-	19.71	1.65	0.01	0.25	0.28	2.18
00:15	0.61	8.64	-	-	20.95	1.75	0.01	0.26	0.29	2.31
00:16	0.63	8.82	-	-	21.39	1.79	0.01	0.27	0.30	2.36
00:17	0.65	9.00	-	-	21.83	1.82	0.01	0.27	0.31	2.41
00:18	0.67	9.19	-	-	22.26	1.86	0.01	0.28	0.31	2.46
00:19	0.68	9.37	-	-	22.70	1.90	0.01	0.28	0.32	2.51
00:20	0.70	9.55	-	-	23.14	1.93	0.01	0.29	0.32	2.56
00:21	0.72	9.73	-	-	23.58	1.97	0.01	0.29	0.33	2.61
00:22	0.74	9.91	-	-	24.02	2.01	0.01	0.30	0.34	2.65
00:23	0.76	10.09	-	-	24.46	2.04	0.01	0.31	0.34	2.70
00:24	0.77	10.27	-	-	24.90	2.08	0.01	0.31	0.35	2.75
00:25	0.79	10.45	-	-	25.34	2.12	0.01	0.32	0.36	2.80
00:26	0.81	10.63	-	-	25.77	2.15	0.01	0.32	0.36	2.85
00:27	0.83	10.82	-	-	26.21	2.19	0.01	0.33	0.37	2.90
00:28	0.85	11.00	-	-	26.65	2.23	0.01	0.33	0.37	2.94
00:29	0.86	11.18	-	-	27.09	2.26	0.01	0.34	0.38	2.99
00:30	0.88	11.36	-	-	27.53	2.30	0.01	0.34	0.39	3.04
00:31	0.90	11.54	-	-	27.97	2.34	0.01	0.35	0.39	3.09
00:32	0.92	11.72	-	-	28.41	2.37	0.01	0.35	0.40	3.14
00:33	0.93	11.90	-	-	28.85	2.41	0.01	0.36	0.40	3.19
00:34	0.95	12.08	-	-	29.29	2.45	0.01	0.37	0.41	3.24
00:35	0.97	12.26	-	-	29.72	2.48	0.01	0.37	0.42	3.28
00:36	0.99	12.44	-	-	30.16	2.52	0.01	0.38	0.42	3.33
00:37	1.01	12.63	-	-	30.60	2.56	0.01	0.38	0.43	3.38
00:38	1.02	12.81	-	-	31.04	2.59	0.01	0.39	0.44	3.43
00:39	1.04	12.99	-	-	31.48	2.63	0.01	0.39	0.44	3.48
00:40	1.06	13.17	-	-	31.92	2.67	0.02	0.40	0.45	3.53
00:41	1.08	13.35	-	-	32.36	2.70	0.02	0.40	0.45	3.58
00:42	1.10	13.53	-	-	32.80	2.74	0.02	0.41	0.46	3.62
00:43	1.11	13.71	-	-	33.23	2.78	0.02	0.41	0.47	3.67
00:44	1.13	13.89	-	-	33.67	2.81	0.02	0.42	0.47	3.72
00:45	1.15	14.07	-	-	34.11	2.85	0.02	0.43	0.48	3.77
00:46	1.17	14.25	-	-	34.55	2.89	0.02	0.43	0.48	3.82

**Table 9. Estimated Dryer Shutdown Emissions
Adkins Energy LLC - Lena, Illinois**

Total Dryer shutdown emissions table for periods of time when dryer vents directly to atmosphere and burner shuts down.										
Duration Time (hh:mm)	PM/PM10 (lbs)	CO (lbs)	NOx (lbs)	SO2 (lbs)	Total VOM (M25A/MSF) (lbs)	Acetaldehyde (lbs)	Acrolein (lbs)	Formaldehyde (lbs)	Methanol (lbs)	Total HAPs (lbs)
00:47	1.18	14.44	-	-	34.99	2.92	0.02	0.44	0.49	3.87
00:48	1.20	14.62	-	-	35.43	2.96	0.02	0.44	0.50	3.91
00:49	1.22	14.80	-	-	35.87	3.00	0.02	0.45	0.50	3.96
00:50	1.24	14.98	-	-	36.31	3.03	0.02	0.45	0.51	4.01
00:51	1.26	15.16	-	-	36.75	3.07	0.02	0.46	0.52	4.06
00:52	1.27	15.34	-	-	37.18	3.11	0.02	0.46	0.52	4.11
00:53	1.29	15.52	-	-	37.62	3.14	0.02	0.47	0.53	4.16
00:54	1.31	15.70	-	-	38.06	3.18	0.02	0.47	0.53	4.21
00:55	1.33	15.88	-	-	38.50	3.22	0.02	0.48	0.54	4.25
00:56	1.35	16.07	-	-	38.94	3.25	0.02	0.49	0.55	4.30
00:57	1.36	16.25	-	-	39.38	3.29	0.02	0.49	0.55	4.35
00:58	1.38	16.43	-	-	39.82	3.33	0.02	0.50	0.56	4.40
00:59	1.40	16.61	-	-	40.26	3.36	0.02	0.50	0.56	4.45
01:00	1.42	16.79	-	-	40.69	3.40	0.02	0.51	0.57	4.50
01:01	1.43	16.79	-	-	40.74	3.40	0.02	0.51	0.57	4.50
01:02	1.45	16.79	-	-	40.79	3.41	0.02	0.51	0.57	4.51
01:03	1.47	16.79	-	-	40.84	3.41	0.02	0.51	0.57	4.51
01:04	1.49	16.79	-	-	40.89	3.42	0.02	0.51	0.57	4.52
01:05	1.51	16.79	-	-	40.94	3.42	0.02	0.51	0.57	4.52
01:06	1.52	16.79	-	-	40.99	3.42	0.02	0.51	0.57	4.53
01:07	1.54	16.79	-	-	41.04	3.43	0.02	0.51	0.58	4.53
01:08	1.56	16.79	-	-	41.09	3.43	0.02	0.51	0.58	4.54
01:09	1.58	16.79	-	-	41.14	3.44	0.02	0.51	0.58	4.55
01:10	1.60	16.79	-	-	41.19	3.44	0.02	0.51	0.58	4.55
01:11	1.61	16.79	-	-	41.24	3.44	0.02	0.51	0.58	4.56
01:12	1.63	16.79	-	-	41.29	3.45	0.02	0.51	0.58	4.56
01:13	1.65	16.79	-	-	41.34	3.45	0.02	0.52	0.58	4.57
01:14	1.67	16.79	-	-	41.38	3.46	0.02	0.52	0.58	4.57
01:15	1.68	16.79	-	-	41.43	3.46	0.02	0.52	0.58	4.58
01:16	1.70	16.79	-	-	41.48	3.46	0.02	0.52	0.58	4.58
01:17	1.72	16.79	-	-	41.53	3.47	0.02	0.52	0.58	4.59
01:18	1.74	16.79	-	-	41.58	3.47	0.02	0.52	0.58	4.59
01:19	1.76	16.79	-	-	41.63	3.48	0.02	0.52	0.58	4.60
01:20	1.77	16.79	-	-	41.68	3.48	0.02	0.52	0.58	4.61
01:21	1.79	16.79	-	-	41.73	3.49	0.02	0.52	0.59	4.61
01:22	1.81	16.79	-	-	41.78	3.49	0.02	0.52	0.59	4.62
01:23	1.83	16.79	-	-	41.83	3.49	0.02	0.52	0.59	4.62
01:24	1.85	16.79	-	-	41.88	3.50	0.02	0.52	0.59	4.63
01:25	1.86	16.79	-	-	41.93	3.50	0.02	0.52	0.59	4.63
01:26	1.88	16.79	-	-	41.98	3.51	0.02	0.52	0.59	4.64
01:27	1.90	16.79	-	-	42.03	3.51	0.02	0.52	0.59	4.64
01:28	1.92	16.79	-	-	42.08	3.51	0.02	0.52	0.59	4.65
01:29	1.93	16.79	-	-	42.12	3.52	0.02	0.53	0.59	4.65
01:30	1.95	16.79	-	-	42.17	3.52	0.02	0.53	0.59	4.66

TABLE 10
FERMENTATION (CO₂) SCRUBBER
DEVIATION LOG

TABLE 11

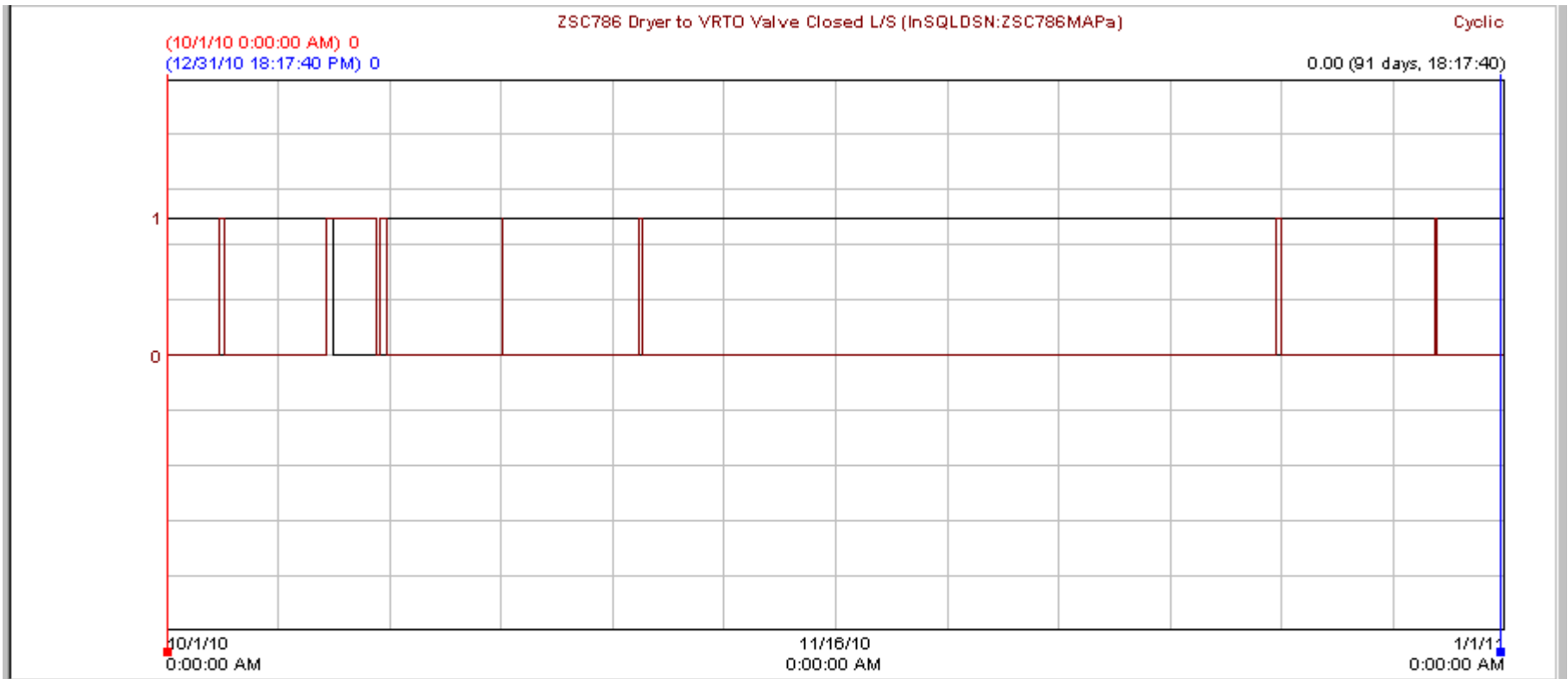
**FERMENTATION (CO₂) SCRUBBER
VENT STACK OPEN**

FIGURES

FIGURE 1

DRYER EMERGENCY VENT VALVE POSITION

**Figure 1. Dryer Emergency Vent Valve Position
Fourth Quarter 2010
Adkins Energy LLC – Lena, Illinois**



Typ	Tagname	Vis	Server	Description	Color	Units	Precision	Format	IDAddress	MinRaw	MaxRaw
UL	ZSC785MAPa	x	InSQLDSN	ZSC785 Dryer Vent Valve Closed L/S	=====	0/1	2	Decimal	\\HIST1\APACSIADK01\ADK		
UL	ZSC786MAPa	x	InSQLDSN	ZSC786 Dryer to VRTD Valve Closed L/S	=====	0/1	2	Decimal	\\HIST1\APACSIADK01\ADK		

FIGURE 2

RTO COMBUSTION CHAMBER TEMPERATURE (°F)

**Figure 2. RTO Combustion Chamber Temperature (°F)
 Fourth Quarter 2010
 Adkins Energy LLC – Lena, Illinois**

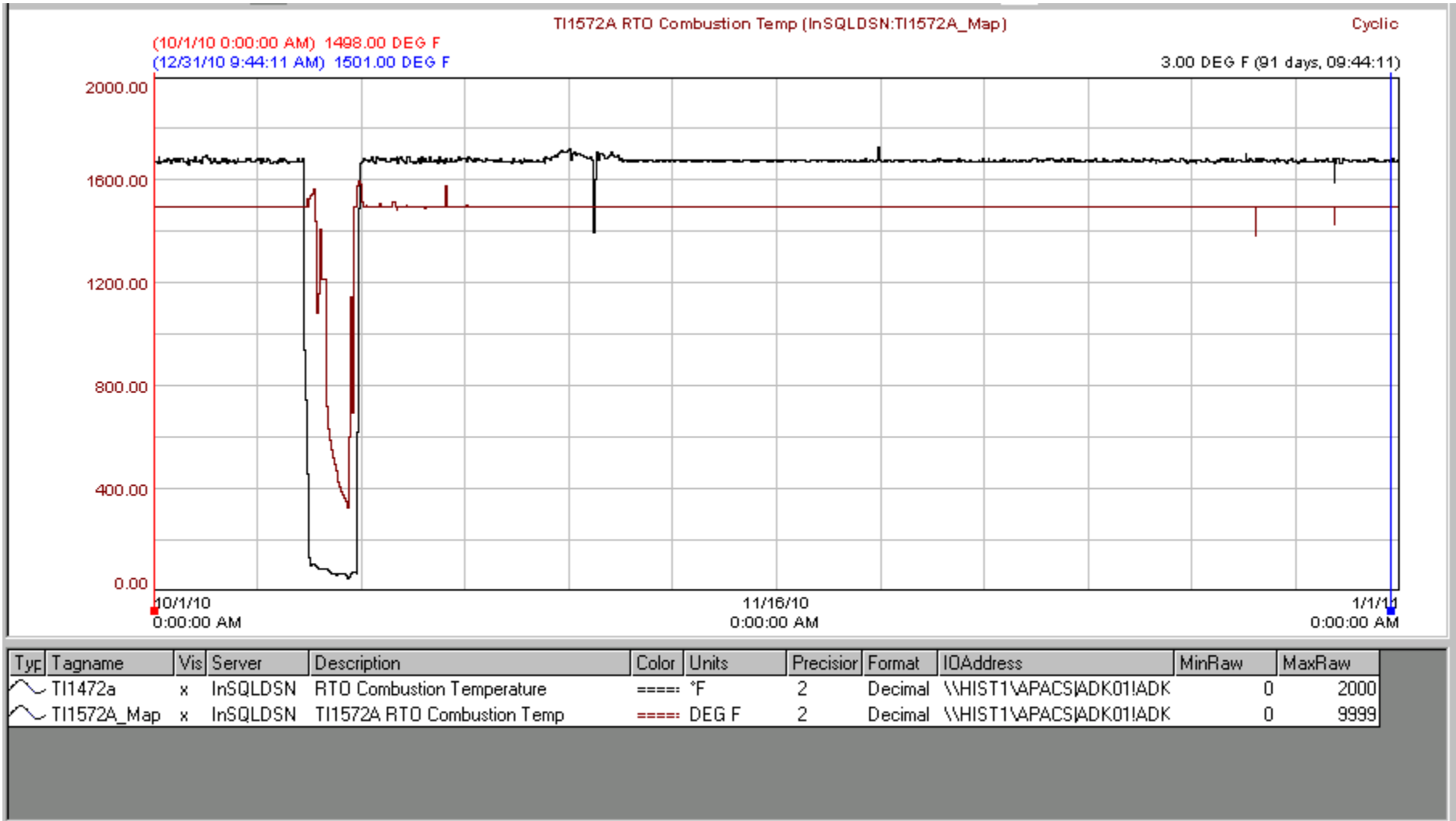


FIGURE 3

**CYCLONE DIFFERENTIAL PRESSURE
(INCHES IN WATER COLUMN)**

**Figure 3. Dryer Cyclone Differential Pressure (in. WC)
Fourth Quarter 2010
Adkins Energy LLC – Lena, Illinois**

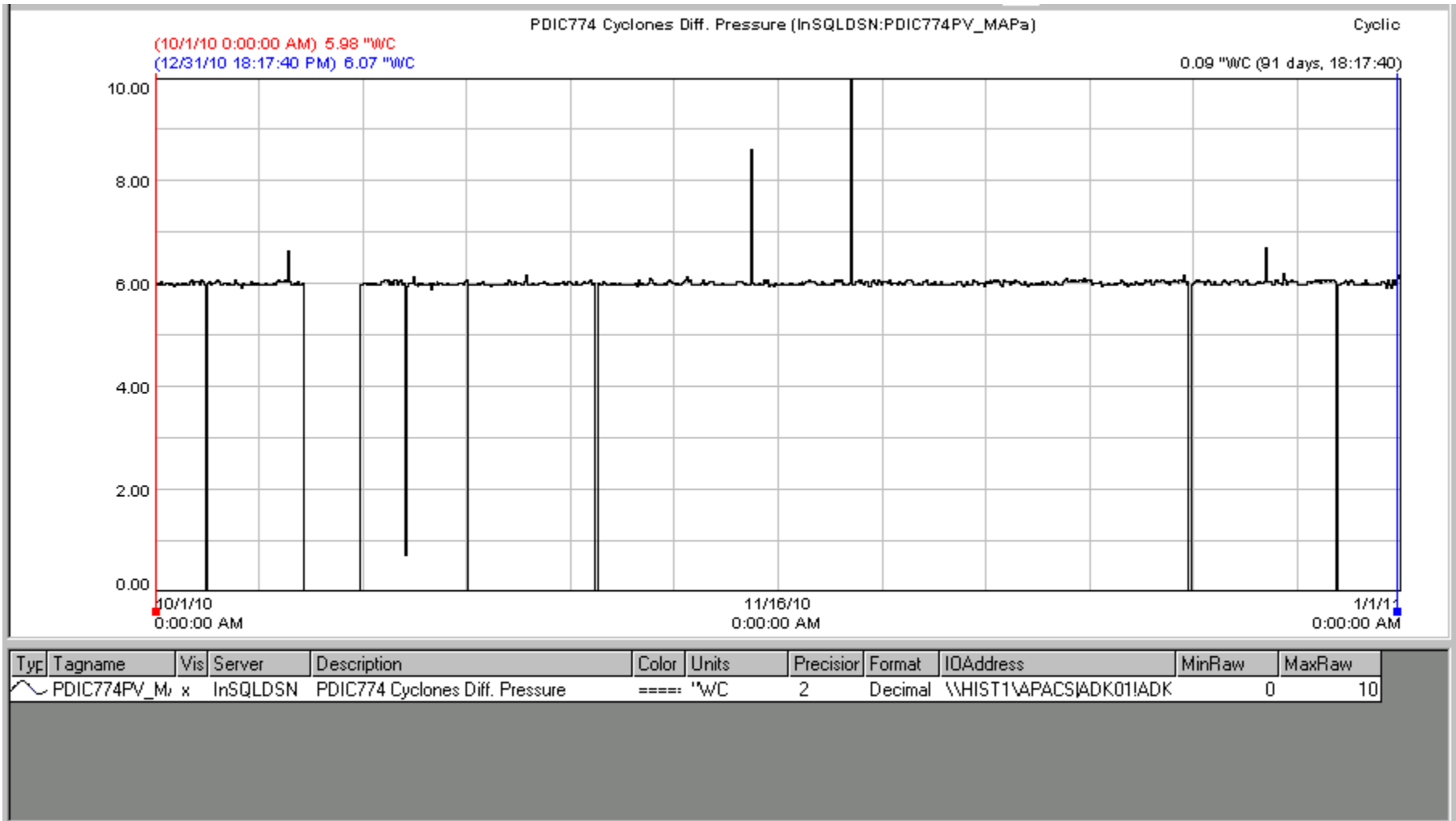


FIGURE 4

DRYER INLET AND OUTLET TEMPERATURE (°F)

**Figure 4. Dryer Inlet and Outlet Temperature (°F)
Fourth Quarter 2010
Adkins Energy LLC – Lena, Illinois**

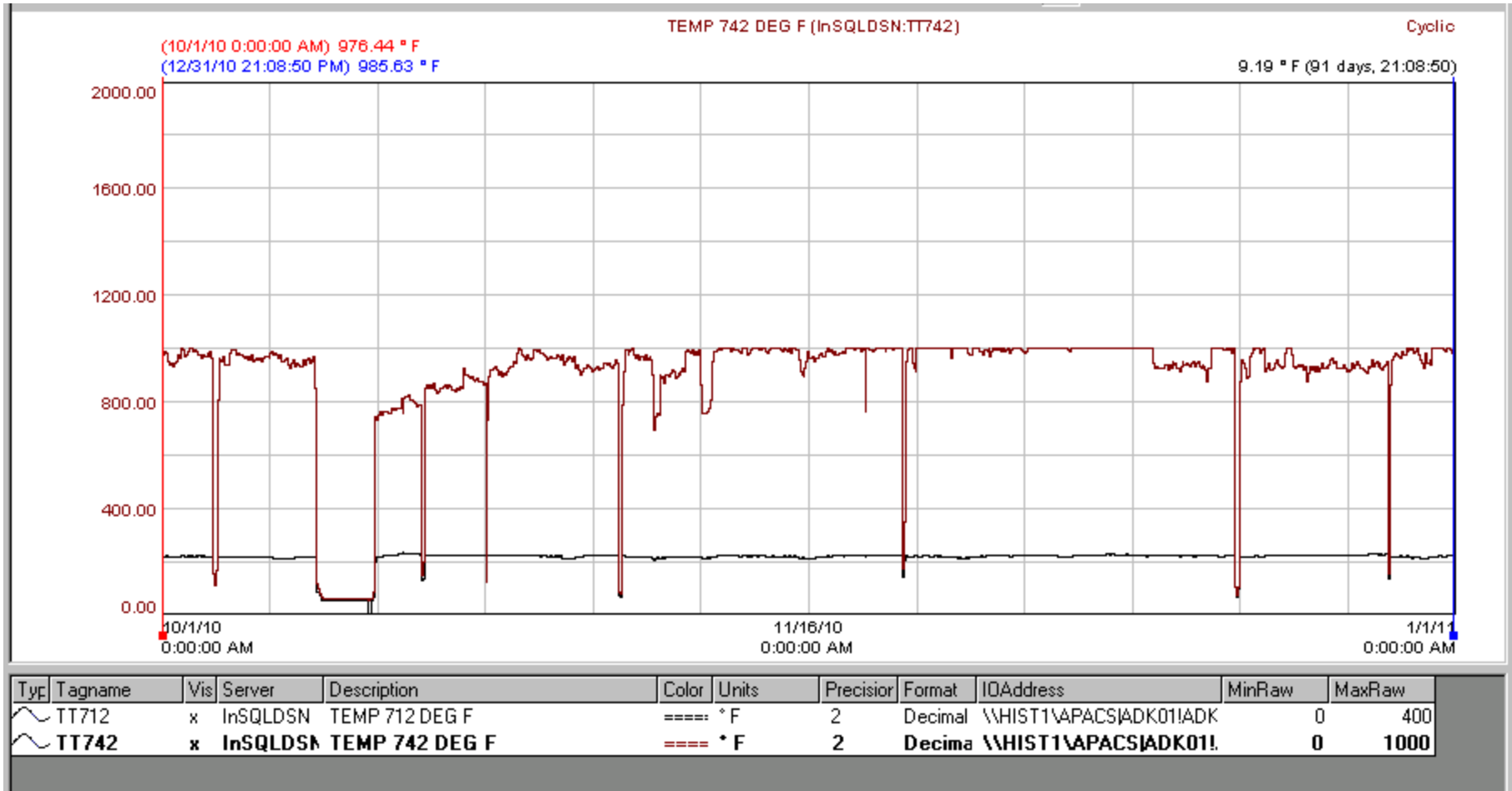


FIGURE 5

DRYER NATURAL GAS CONSUMPTION (SCFM)

**Figure 5. Dryer Natural Gas Consumption (cfm)
Fourth Quarter 2010
Adkins Energy LLC – Lena, Illinois**

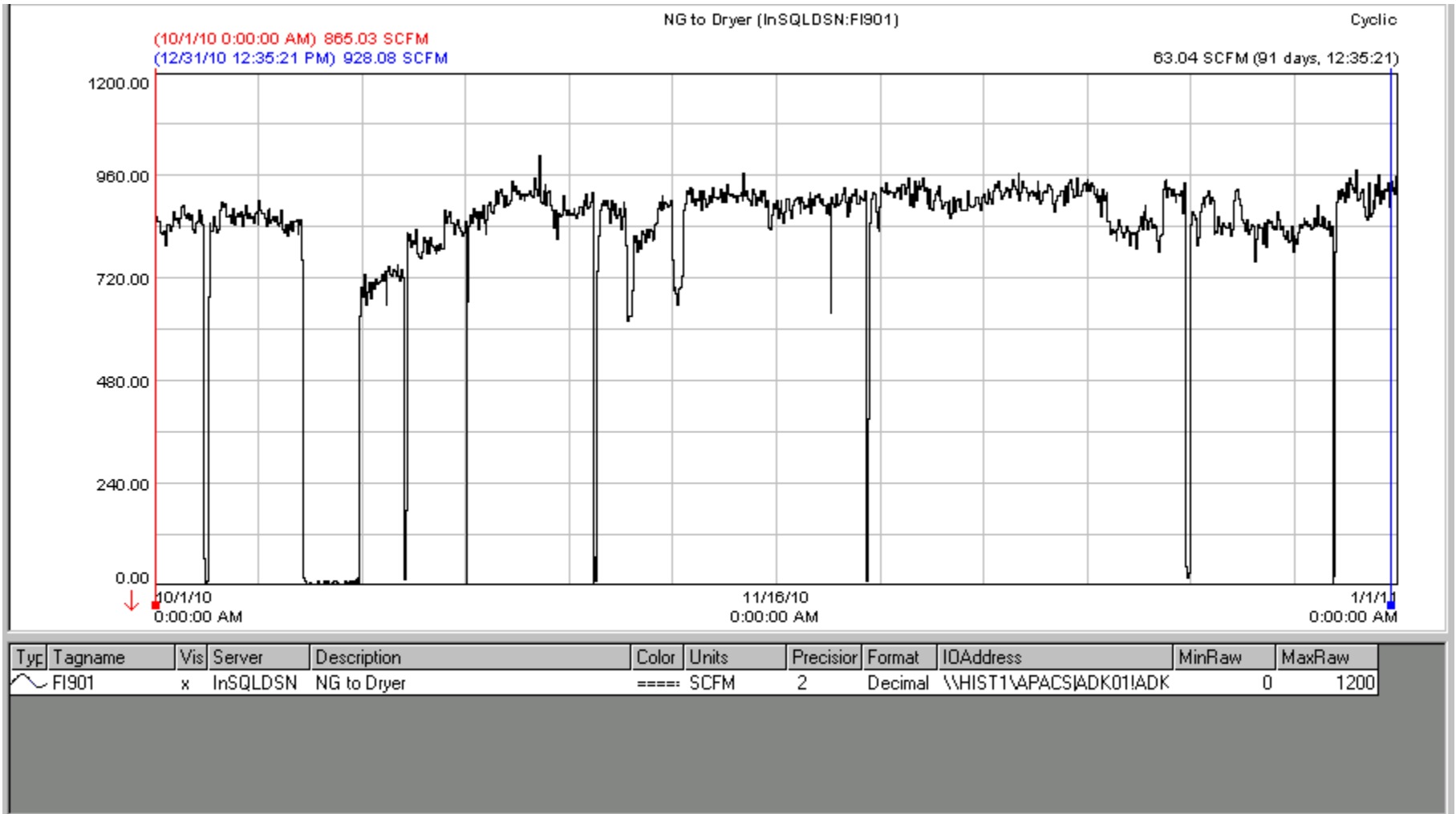


FIGURE 6

**FERMENTATION SCRUBBER TEMPERATURE
OCTOBER 2010**

**Figure 6. Fermentation Scrubber Temperature (cfm)
October 2010
Adkins Energy LLC – Lena, Illinois**

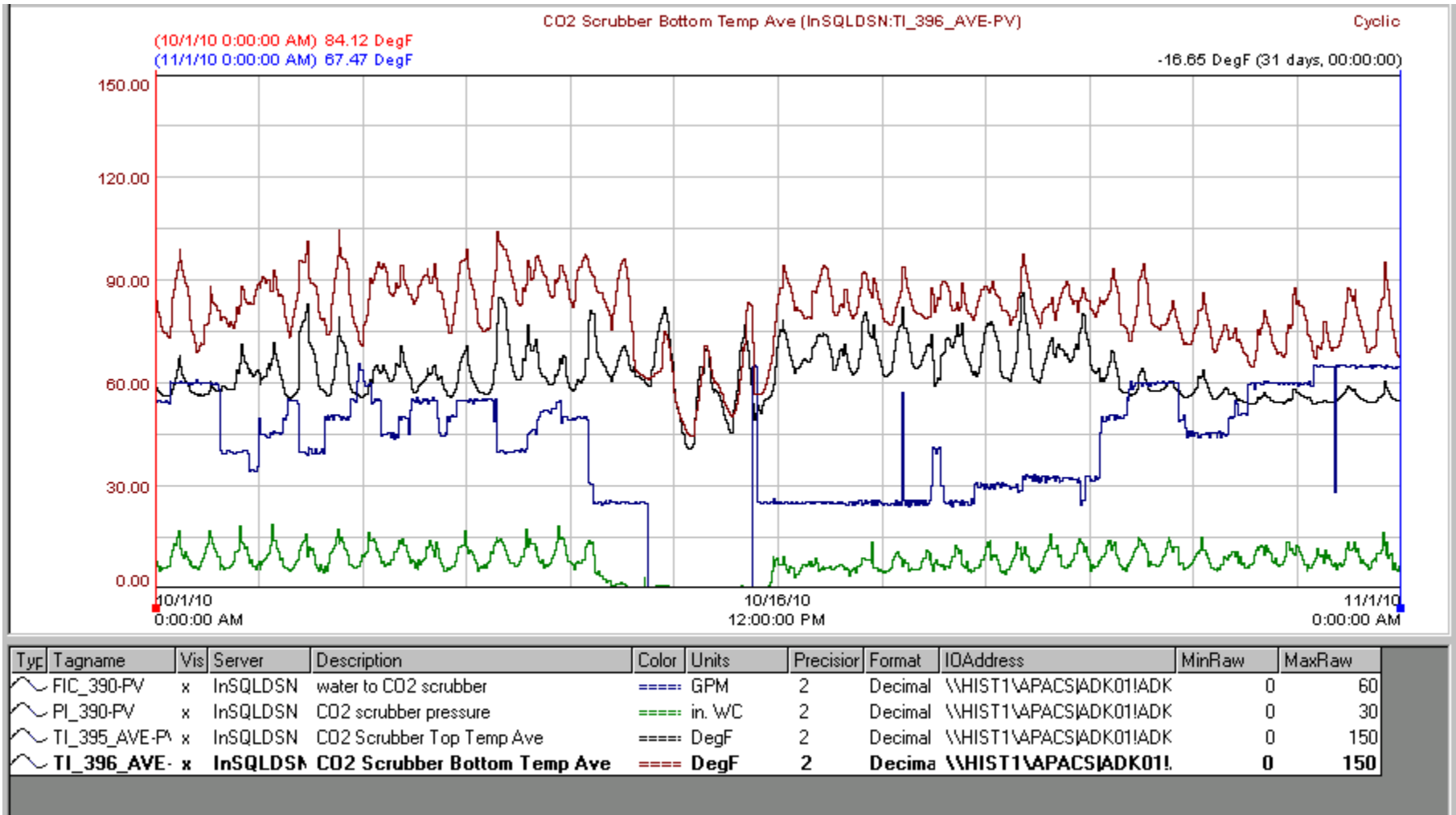


FIGURE 7

**FERMENTATION SCRUBBER TEMPERATURE
NOVEMBER 2010**

**Figure 7. Fermentation Scrubber Temperature
November 2010
Adkins Energy LLC – Lena, Illinois**

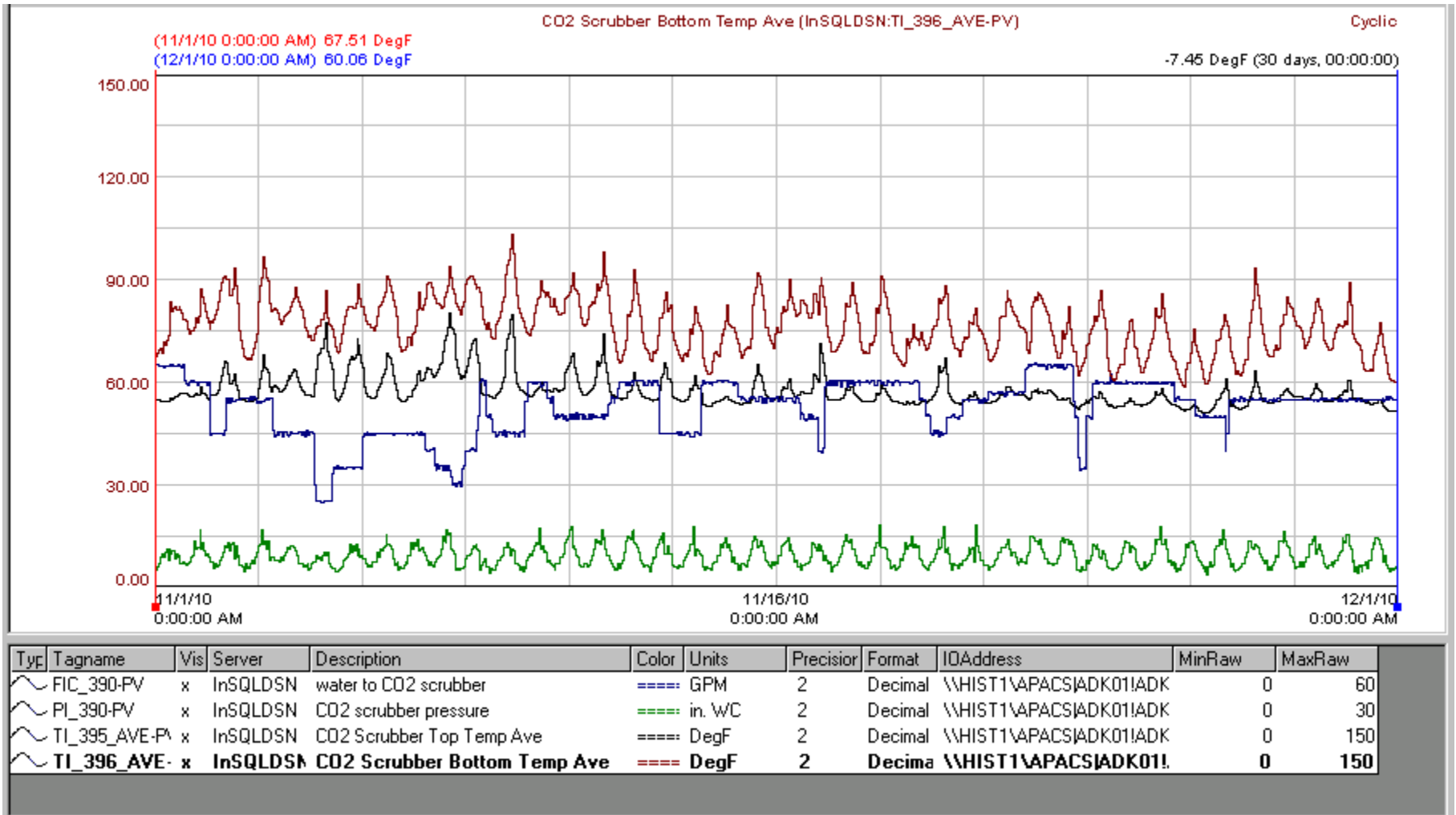
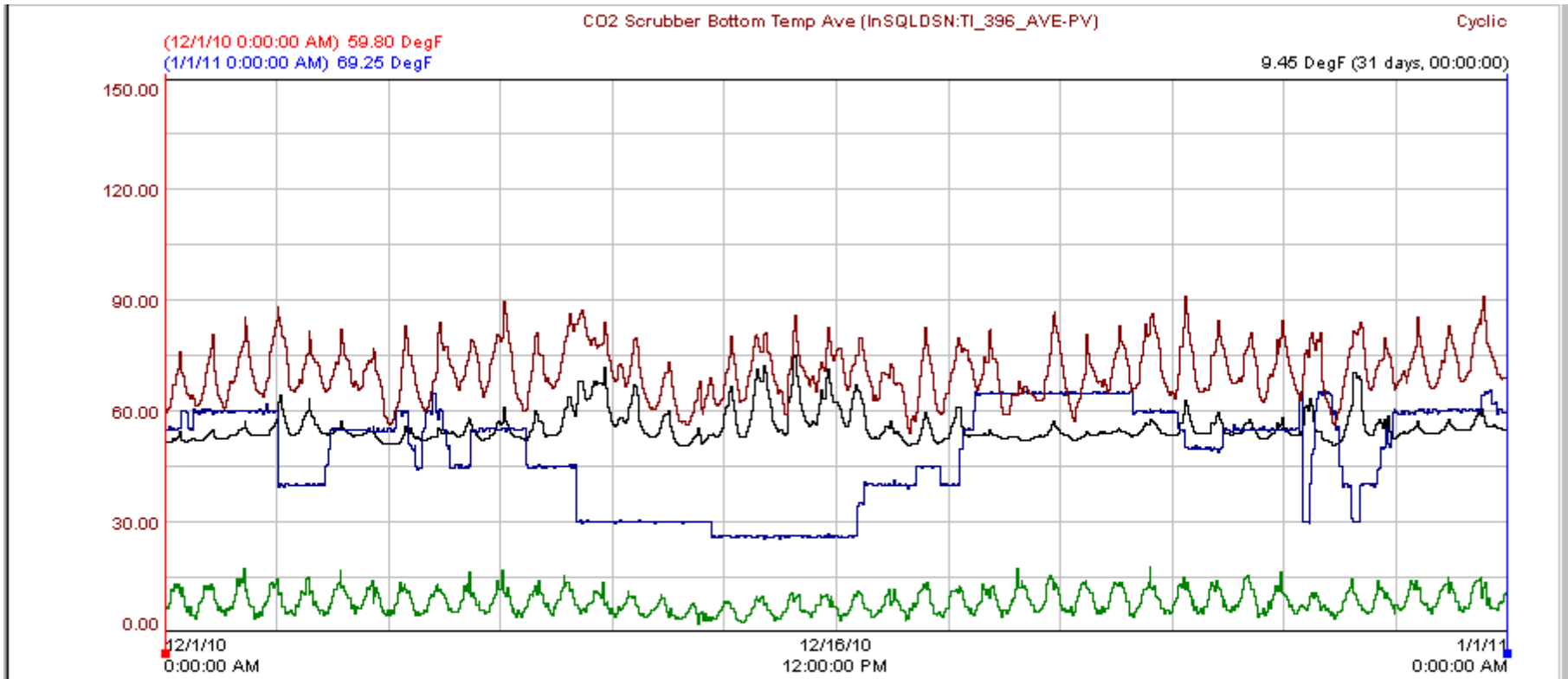


FIGURE 8

**FERMENTATION SCRUBBER TEMPERATURE
DECEMBER 2010**

**Figure 8. Fermentation Scrubber Temperature
December 2010
Adkins Energy LLC – Lena, Illinois**

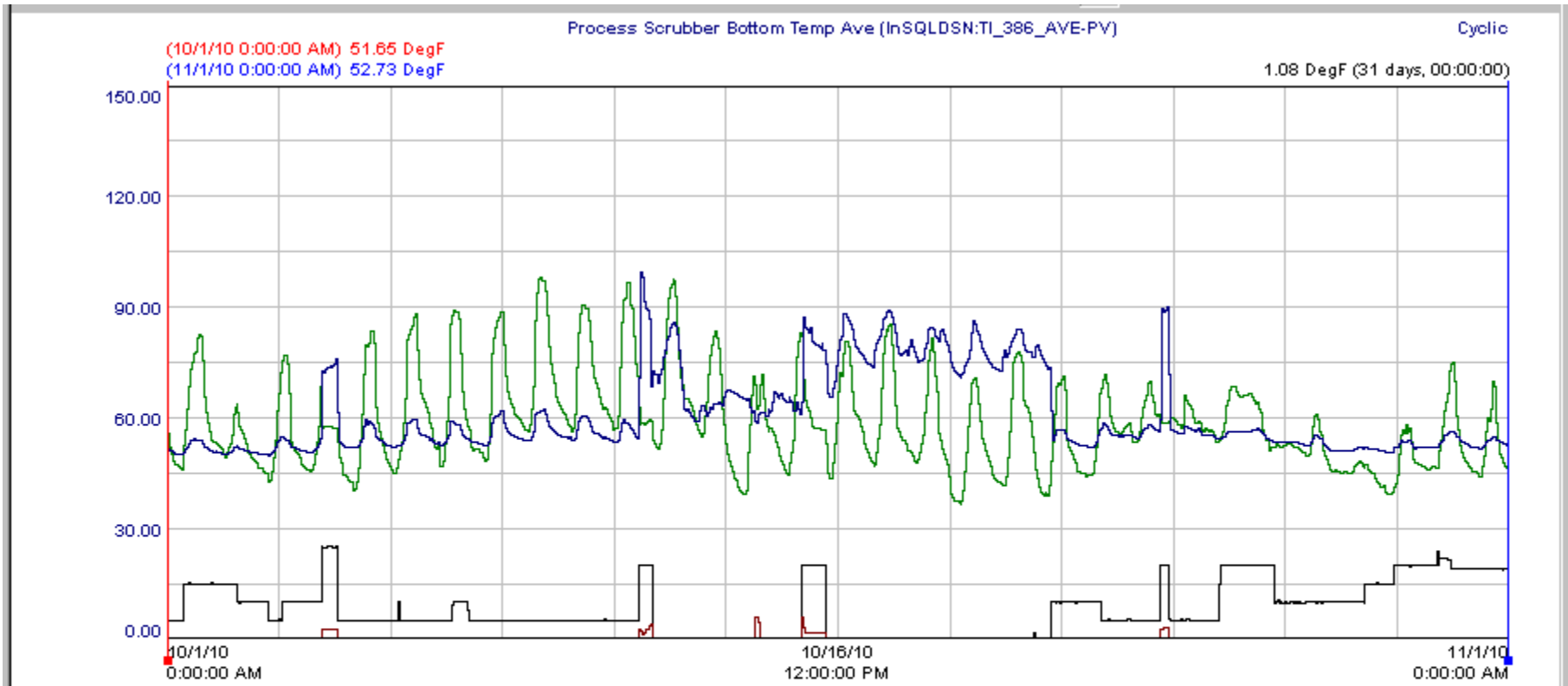


Typ	Tagname	Vis	Server	Description	Color	Units	Precision	Format	IDAddress	MinRaw	MaxRaw
~	FIC_390-PV	x	InSQLDSN	water to CO2 scrubber	====	GPM	2	Decimal	\\HIST1\APACSIADK01\ADK	0	60
~	PI_390-PV	x	InSQLDSN	CO2 scrubber pressure	====	in. WC	2	Decimal	\\HIST1\APACSIADK01\ADK	0	30
~	TI_395_AVE-PV	x	InSQLDSN	CO2 Scrubber Top Temp Ave	====	DegF	2	Decimal	\\HIST1\APACSIADK01\ADK	0	150
~	TI_396_AVE-PV	x	InSQLDSN	CO2 Scrubber Bottom Temp Ave	====	DegF	2	Decima	\\HIST1\APACSIADK01\ADK	0	150

FIGURE 9

**DISTILLATION SCRUBBER TEMPERATURE
OCTOBER 2010**

**Figure 9. Distillation Scrubber Temperature (cfm)
October 2010
Adkins Energy LLC – Lena, Illinois**



Typ	Tagname	Vis	Server	Description	Color	Units	Precisior	Format	IOAddress	MinRaw	MaxRaw
~	FIC_380-PV	x	InSQLDSN	water to process scrubber	-----	GPM	2	Decimal	\\HIST1\APACSIADK01IADK	0	20
~	PI_380-PV	x	InSQLDSN	Process Scrubber	-----	in. WC	2	Decimal	\\HIST1\APACSIADK01IADK	0	30
~	TI_385_AVE-PV	x	InSQLDSN	Process Scrubber Top Temp Ave.	-----	DegF	2	Decimal	\\HIST1\APACSIADK01IADK	0	150
~	TI_386_AVE-PV	x	InSQLDSN	Process Scrubber Bottom Temp Ave.	-----	DegF	2	Decima	\\HIST1\APACSIADK01IADK	0	150

FIGURE 10

**DISTILLATION SCRUBBER TEMPERATURE
NOVEMBER 2010**

**Figure 10. Distillation Scrubber Temperature
November 2010
Adkins Energy LLC – Lena, Illinois**

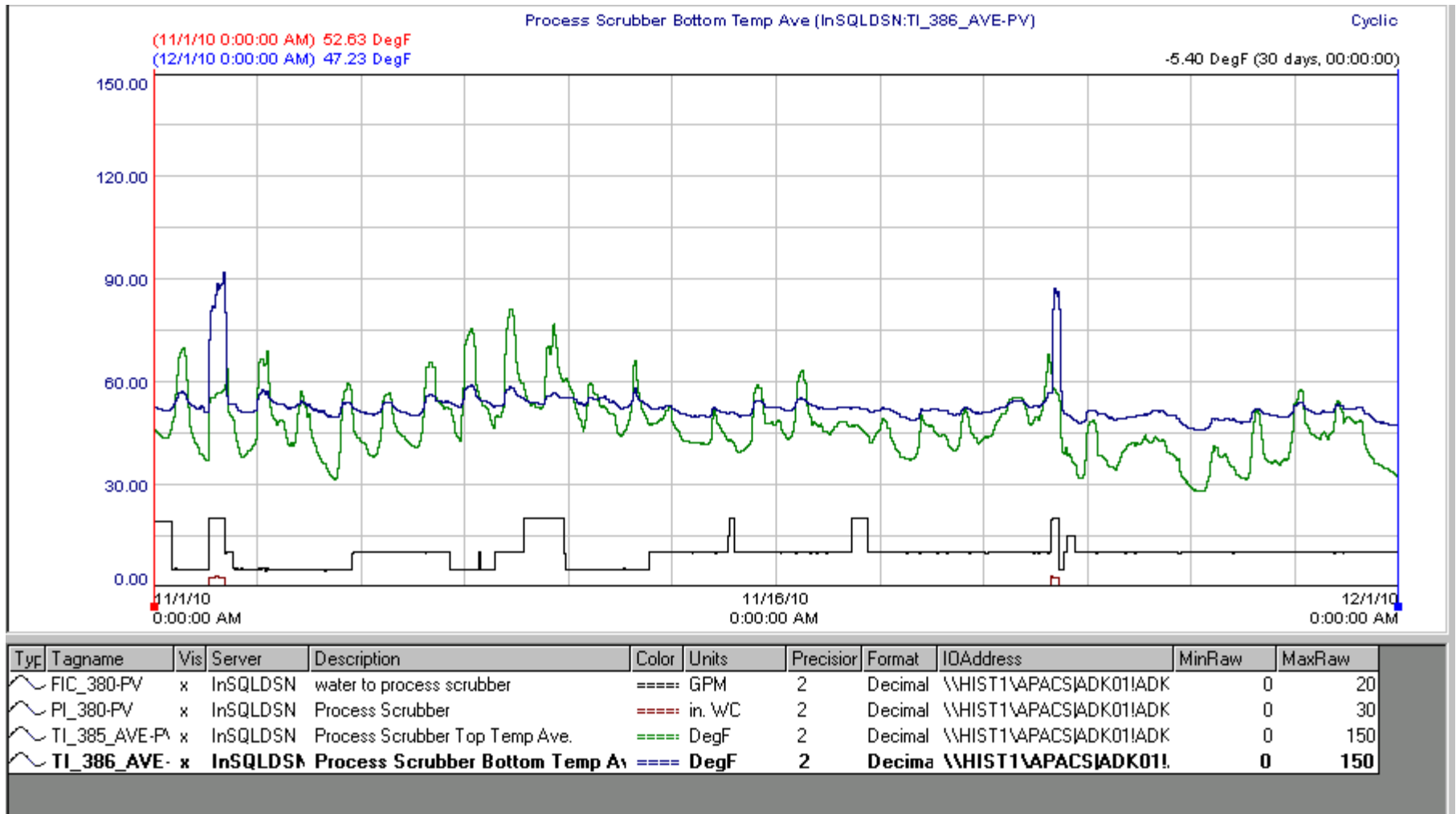


FIGURE 11

**DISTILLATION SCRUBBER TEMPERATURE
DECEMBER 2010**

**Figure 11. Distillation Scrubber Temperature
December 2010
Adkins Energy LLC – Lena, Illinois**

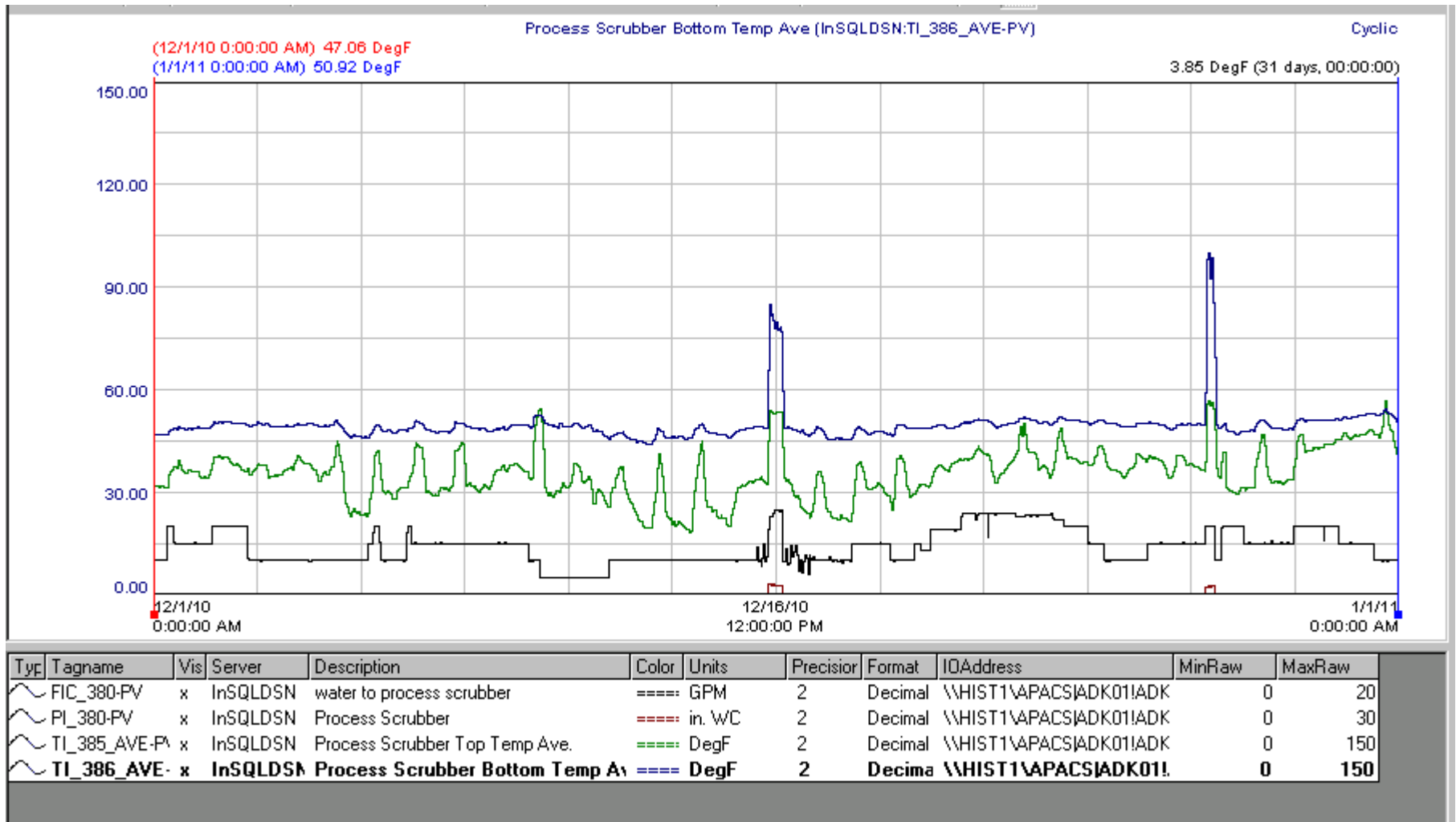


EXHIBIT 1

**ARI ENVIRONMENTAL SEMI-ANNUAL LEAKING COMPONENTS
SUMMARY REPORT**



ADKINS ENERGY LLC
 PO Box 227
 Lena, IL 61048

Report Period 07/01/2010 - 12/31/2010

Process Unit: PLANT

Monitoring Program: NSPS-VV

01/04/2011

SEMIANNUAL SUMMARY REPORT

LEAK REPORT

	July 2010	August 2010	September 2010	October 2010	November 2010	December 2010
Valves						
Leaks Detected	1	0	0	0	0	0
Leaks Not Repaired within 15 Days	0	0	0	0	0	0
Pumps						
Leaks Detected	0	0	0	0	0	0
Leaks Not Repaired within 15 Days	0	0	0	0	0	0

EQUIPMENT COUNTS	Beginning Count	Added	Removed	Ending Count
Valves	301	0	13	288
Pumps	15	0	0	15
Compressors	0	0	0	0