

Effluent Quality Assessment

Anheuser Busch – Lem Turner Sod Farm

Duval County

NPDES #FL0041556

Sampled January 15, 2014

March 2014

Biology Section
Bureau of Laboratories
Division of Environmental Assessment and Restoration
2013 FDEP Bureau of Labs Quality Manual
NELAC Certification No. E31780

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Anheuser Busch – Lem Turner Sod Farm, 16163 Lem Turner Road, Jacksonville, Duval County, Florida, 32218. NPDES #FL0041556.

Facility Overview

Anheuser Busch – Lem Turner Sod Farm is a 710-acre land application site for untreated and/or pretreated brewery liquor. See Appendix A for a description of the facility, summary of permit limits, Administrative Order (AO) and Discharge Monitoring Report (DMR) information.

Methods

Effluent grab samples for toxicity testing and biological and chemical analyses were collected on January 15, 2014. All samples were collected from the EFF-1 NPDES sampling point for Outfall D-001 by Jeremy Parrish and Patrick O'Connor (FDEP Northeast District) following DEP-SOP-001/01 FS 2400 Wastewater Sampling (see Appendix B).

The 96-hour acute definitive toxicity tests were performed following internal DEP SOPs TA07_01, and TA07_02 (see Appendix B).

Results

Chemistry Results (See Table 1 and Appendix C)

- The effluent's dissolved oxygen (1.9 mg/L and 18% saturation) exceeded the Class III Freshwater Criterion (62-302.530(30), F.A.C.) and the permitted limit. Arsenic, copper, iron, nickel, total Kjeldahl nitrogen (TKN), carbonaceous biochemical oxygen demand (CBOD), and fluoride were detected in the effluent at levels that comply with Class III Freshwater Quality Criteria (62-302.530, F.A.C.) and/or permitted limits. Total chromium, lead, selenium, zinc, and total suspended solids (TSS) were detected between the laboratory method detection limits (MDL) and practical quantitation limits (PQL).
- Ortho-phosphate and total ammonia were detected in the equipment blank between the MDL and PQL.

Toxicity Test Results (See Appendix C)

- Tests were performed January 16 - 20, 2014.

Ceriodaphnia dubia 96-hour acute definitive bioassay –	LC_{50} > 100%, 0%* mortality in 100% sample at 96 hours
Cyprinella leedsi 96-hour acute definitive bioassay –	LC_{50} > 100%, 0%* mortality in 100% sample at 96 hours

*NOTE: In a 96-hour acute definitive test of 100% effluent, mortality of <20% provides confidence that the effluent meets the acute toxicity criterion of Florida's Surface Water Quality Standards (Rule 62-302.500 (1) (a) 4, F.A.C.). Mortality between 20-50% indicates low to moderate levels of toxicity, and further action may be required. Mortality of >50% indicates that the effluent fails to meet the minimum requirement to discharge to waters of the state (Rule 62-4.244(3) (a), F.A.C.).

- The bioassay samples were not acutely toxic to the test organisms.

Conclusion

The effluent sample collected from the EFF-1 NPDES sampling point for this facility on January 15, 2014, was not acutely toxic to either test species during the 96-hour acute definitive bioassays. Effluent dissolved oxygen exceeded Class III Freshwater Quality Criterion (62-302.530 (30) F.A.C.) and the permitted limit. Effluent water

quality samples collected on January 15, 2014, did not exceed any other applicable water quality standards or violate any other permit conditions.

For additional information concerning this sampling event, including bioassay bench sheets and SRT data, please contact Joseph.Faircloth@dep.state.fl.us and/or Diane.Power@dep.state.fl.us.

Literature Cited

USEPA. 2002. Methods for measuring the acute toxicity of effluents to freshwater and marine organisms. 5th edition. EPA-821-R-02-012.

Table 1. Effluent limits, Class III Freshwater Criteria and chemical data

Anheuser Busch - Lem Turner Sod Farm	Class III Criteria	Effluent Limits	Effluent
Organic Constituents (µg/L)			
None Detected	-	-	None Detected
Metals (µg/L unless otherwise noted)			
Aluminum	-	-	397
Arsenic	≤ 50	-	2.36
Cadmium	≤ 0.23 b	-	0.050 U
Calcium (mg/L)	-	-	10.6
Chromium, total	≤ 72.69 b	-	1.1 I
Copper	≤ 7.81 b	-	4.94
Iron	≤ 1,000	-	490
Lead	≤ 2.44 b	-	0.39 I
Magnesium (mg/L)	-	-	13.3
Nickel	≤ 43.75 b	-	3.21
Selenium	≤ 5.0	-	0.43 I
Silver	≤ 0.07	-	0.025 U
Sodium	-	-	105
Zinc	≤ 100.47 b	-	9.0 I
Nutrients (mg/L)			
Ortho-phosphate	-	-	7.7
Total Phosphorus	-	Report	7.8
Total Ammonia	-	Report	1.3
Un-ionized Ammonia	≤ 0.02 s	≤ 0.02 s	< 0.02 c
Nitrate and Nitrite	-	-	0.26
Total Kjeldahl Nitrogen	-	≤ 8.0 a	3.6
Organic Nitrogen	-	-	2.3 c
Total Nitrogen	-	Report	3.86 c
Total Organic Carbon	-	-	19
General Physical and Chemical Parameters			
Dissolved Oxygen (mg/L)	≥ 5.0	≥ 5.0	1.9
Dissolved Oxygen (% saturation)	≥ 32.53		18.16
pH (SU)	6.0 - 8.5	6.0 - 8.5	7.5
Specific Conductance (µmhos/cm)	≤ 1,275	-	613
Temperature (°C)	-	Report	13.2
Sample Depth (m)	-	-	0.1
Total Residual Chlorine (mg/L)	≤ 0.01	-	< 0.03 UQ£
Total Suspended Solids (mg/L)	-	≤ 20.0 a	9 I
Turbidity (NTU)	< 29 t	-	-
Color (true, PCU)	-	-	190
Alkalinity (mg CaCO3/L)	-	-	219
CBOD, 5 day (mg/L), N - inhibited	-	≤ 20.0 a	3.2 A
Chloride (mg/L)	-	-	45
Fluoride (mg/L)	≤ 10.0	-	0.33
Sulfate (mg/L)	-	-	19
Flow (MGD)	-	-	-
Hardness (mg $CaCO_3$)	-	-	81.2376 c

A dash (-) indicates sample/measurement was not collected or criterion/l

-

Value exceeds the Class III Water Quality Criteria or permit limits

a - Annual average

b - Value is calculated based on hardness

c - Value is calculated

s - Single sample

t - Shall not exceed 29 NTUs above background

A - Value reported is the mean of two or more determinations

I - The reported value is between the laboratory MDL and PQL

Q - Sample held beyond normal holding time

U - Material analyzed for but not detected; value reported is the method detection limit

£ - measurement taken in the FDEP laboratory

 - Class III Freshwater Quality Criterion (62-302.530(19)(a), F.A.C.) for chromium-III

Appendix A
Facility Summary

State of Florida
Department of Environmental Protection
Facility Introduction & Summary

PART I: Information gathered prior to sampling event	
Prepared By: Jim Orr	Contact Number: 904-256-1623
Facility Name (as it appears on permit): Anheuser Busch – Lem Turner Sod Farm	Former Names: N/A
NPDES Permit Number: FL0041556	Permit Expiration Date: 9/9/2014
Physical Address: 16163 Lem Turner Road	
District: Northeast	County: Duval
Function of Facility: The land application system receives untreated and / or pretreated brewery liquor as a nutrient enrichment to grow turf and forage crops on a 710-acre land application site. A portion of the liquor may be pretreated by anaerobic digestion prior to land application. Most of the Lem Turner site is underdrained. Underdrain water and stormwater runoff from the pivots flow to one of five ponds and discharge through outfalls D-001, D-002, D-003, D-004 & D-005 to Thomas Creek (Class III fresh water, WBID# 2161, Nassau – St. Marys River Basin).	
Facility Type: Industrial Wastewater	Permitted Capacity (MGD): Permit limit is Report only.
Mean Flow for previous 12 months for all EXTERNAL outfalls listed in permit (list date range including months): The months from August 2012 to September 2013 the mean flow was roughly 1.734 MGD with monthly averages ranging plus/minus 1.0 MGD.	
If applicable, Mean Flow for previous 12 months for REUSE outfall(s) (list date range including months):	
Description of type of Discharge: ☐ Continuous ☒ Intermittent ☐ Seasonal ☐ Rainfall Dependent ☐ Other, please specify	

Description of Sampling Location(s) - actual permit designation of permitted sampling point(s):

Surface Water Discharges D-001

EFF-1 Discharge at pond 1
EFF-2 Discharge at pond 2
EFF-3 Discharge at pond 3
EFF-4 Discharge at pond 4
EFF-5 Discharge at pond 5
SWB-1 Surface water samples in Thomas Creek shall be collected at Mid-stream below the stream surface on Thomas Creek at US-1.
SWD-2 Surface water samples in Thomas Creek shall be collected at Mid-stream below the stream surface on Thomas Creek at Lem Turner Road.
SWD-3 Surface water samples in Thomas Creek shall be collected at Mid-stream below the stream surface on Thomas Creek north of Well AB-5.

Description of Permitted Outfall(s):

Surface Water Discharge

This is an existing permitted discharge from outfalls D-001, D-002, D-003, D-004 and D-005 to Thomas Creek (Class III fresh water, WBID# 2161, Nassau – St. Marys River Basin).

Description of Treatment Process (if multiple discharge points, include a detailed map or diagram of facility):

The land application system receives untreated and / or pretreated brewery liquor as a nutrient enrichment to grow turf and forage crops on a 710-acre land application site. A portion of the liquor may be pretreated by anaerobic digestion prior to land application. Most of the Lem Turner site is underdrained. Underdrain water and stormwater runoff from the pivots flow to one of five ponds and discharge through outfalls D-001, D-002, D-003, D-004 & D-005 to Thomas Creek (Class III fresh water, WBID# 2161, Nassau – St. Marys River Basin).

PART I: Continued										
List current Effluent Limits of Outfall(s) to be Sampled: This should include any AO or CO limits the facility may be under (Leave cell blank if not applicable)										
			Effluent Limitations				Monitoring Requirements			
Parameter	Units	Max/Min	Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	Notes

			Limitations		Monitoring Requirements			
Parameter	Units	Max/ Min	Limit	**Statistical Basis**	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max	Report	Daily Maximum	Continuous	Recorder	EFF-1,2,3,4,5	See Cond. I.A.5
		Max	Report	Monthly				
BOD, Carbonaceous 5-day, 20°C	Mg/L	Max	20.0	Annual Average	Quarterly	Grab	EFF-1,2,3,4,5	
Total Suspended Solid	mg/L	Max	20.0	Annual Average	Quarterly	Grab	EFF-1,2,3,4,5	
pH	S.U.	Min	6.0	Single Sample	Quarterly	Grab	EFF-1,2,3,4,5	
		Max	8.5	Single Sample				
Cumulative Number of Days Discharge	Days/Mon	Max	Report	Monthly Total	Recorder (or visual)	Calculation	EFF-1,2,3,4,5	
Dissolved Oxygen	mg/L	Min	5.0	Single Sample	Quarterly	Grab	EFF-1,2,3,4,5	

			Limitations		Monitoring Requirements			
Parameter	Units	Max/ Min	Limit	**Statistical Basis**	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Dissolved Oxygen	mg/L	Min	Report	Single Sample	Quarterly	Grab	SWB 1, SWD-2, SWD-3	
Total Nitrogen	mg/L	Max	Report	Single Sample	Quarterly	Grab	EFF-1,2,3,4,5	
Temperature, Water	DEG C	Max	Report	Single Sample	Quarterly	Grab	EFF-1,2,3,4,5	
Nitrogen, Ammonia Total (as N)	mg/L	Max	Report	Single Sample	Quarterly	Calculated	EFF-1,2,3,4,5	
Ammonia, Unionized (as NH3)	mg/L	Max	0.02	Single Sample	Quarterly	Grab	EFF-1,2,3,4,5	
Nitrogen, Total Kjeldahl (as N)	mg/L	Max	8.0	Annual Average	Quarterly	Grab	EFF-1,2,3,4,5	
Total Phosphorus (as P)	mg/L	Max	Report	Single Sample	Quarterly	Grab	EFF-1,2,3,4,5	
Acute Whole Effluent Toxicity	The LC_{50} shall not be Less than 100% effluent. See Permit Condition I.A.9				Semi Annually	Grab	EFF-1,2,3,4,5	

PART I: Continued

Receiving Waters:	Classification (indicate whether fresh or marine):
Thomas Creek (Class III fresh waters)	**Class III fresh waters.**

Toxicity Test Requirements (routine and/or additional test language, test species, salinity adjustment, etc.):
See Permit Condition I.A.9

a. Effluent Limitation

(1) For acute whole effluent toxicity, the 96-hour LC50 shall not be less than 100% effluent in any test. [Rule 62-302.500(1)(a)4. and 62-4.241(1)(a), F.A.C.]

b. Monitoring Frequency

(1) Routine toxicity tests shall be conducted once every six months, the first starting within six months of the most recent test, if discharge frequencies allow, and lasting for the duration of this permit.

(2) The permittee will not be required to force a discharge from any outfall for the sake of causing a toxicity sampling event in order to stay on schedule.

(3) If a test is deemed invalid then it shall be replaced by a repeat valid test initiated within seven days of the invalidation.

c. Sampling Requirements

(1) All tests shall be conducted on a single grab sample of final effluent.

d. Test Requirements

(1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five dilutions: **100%, 75%, 50%, 25%,** and **12.5%** effluent.

(2) The permittee shall conduct 96-hour acute, static-renewal, multi-concentration toxicity tests using the daphnid, ***Ceriodaphnia dubia***, and the bannerfin shiner, ***Cyprinella leedsi***, concurrently.

(3) All test species, procedures, and quality assurance criteria used shall be in accordance with Methods for Measuring Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, EPA-821-R-02-012. Any deviation of the bioassay procedures outlined herein shall be submitted in writing to the Department for review and approval prior to use. In the event the above method is revised, the permittee shall conduct acute toxicity testing in accordance with the revised method.

(4) The control water and dilution water shall be moderately hard water as described in EPA-821-R-02-012, Table 7.

Administrative or Consent Orders (date executed, specific requirements, interim limit dates-if applicable, etc.): Facility is under Administrative Order 132 NE which provides interim limits for dissolved oxygen. The interim limits for DO are Report only. The AO also provides timelines for action items which include developing a plan of study to conduct the SSAC study for the receiving stream for evaluation of compliance with Rules 62-4, 62-650, 62-302 F.A.C.

Facility Mixing Zone Details (if applicable): N/A

List Permit Violations (DMR data) and plant upsets that occurred at the plant within the last year:

None noted.

Describe previous FYI and WQBEL study:

Results from the Bioassays of Anhueser Busch-New Sod Farm from May 1999 indicated that the effluent from the facility did not show toxicity.

Describe previous or current Enforcement Actions (including WLs):

There is no active enforcement going on with this facility.

Describe any violations or problems noted in previous inspection: **The last inspection done in March 2013 was found in-compliance.**
Discuss whether DMR trends within previous five years are improving or declining: **No noticeable trend in the DMR data.**
Additional Comments (this should include a trend of the Effluent, i.e. if the facility is now Reuse):

PART II: Sampling Event Information	
Date(s) sample collected:	**Sampler(s):**
Temperature (Deg C):	**pH (SU):**
Dissolved Oxygen (mg/L):	**Conductivity (umhos/cm):**
Total Residual Chlorine (mg/L):	**Total Residual Chlorine - after Disinfection (mg/L):**
Method of Chlorination:	**Method of De-chlorination:**
Flow During Sample Collection for each outfall(MGD):	
Mean Flow for each outfall for previous 12 months based on sampling date (If samples are taken on more than one day, indicate Mean Flow for each day):	
Describe Discharge during Sampling Event: ☐ **Continuous** ☐ **Intermittent** ☐ **Seasonal** ☐ **Rainfall Dependent** ☐ **Other, please specify**	

Describe any conditions, difficulties or abnormal events that occurred during the sample collection and any other additional comments here:

Appendix B
Explanation of measurements

(1) Quality Assurance and Quality Control

FDEP's quality assurance requirements for analytical laboratories and field activities are codified in Chapter 62-160, F.A.C., Quality Assurance (QA Rule) and in internal Standard Operating Procedures (FDEP SOPs). Methods for all analyses are on file at the FDEP Central Laboratory in Tallahassee and may be viewed on the web at http://www.floridadep.org/labs/sop/index.htm and/or http://www.floridadep.org/labs/qa/index.htm.

(2) Chemical Analyses of the Effluent

The effluent was analyzed for nutrients, metals, organic constituents (base, neutral, and acid extractables) and pesticides following FDEP SOPs. The results from these analyses were compared with Water Quality Criteria (62-302, F.A.C.) and facility permit limits. Exceedances of Water Quality Criteria may constitute violations of specific provisions of Chapter 62-302 (F.A.C.) and/ or facility permit limits.

(3) Toxicity Bioassays

Greater than 50% mortality in an acute toxicity test may constitute an exceedance of 62-302.500(1)a and/or a violation of facility permit limits. A 25% inhibition concentration (IC25) is the effluent concentration causing a 25% reduction in a biological response such as biomass or reproduction when compared to a control population. An IC25 of less than 100% in a chronic test may constitute exceedances of 62-302.530(20), 62-302.530(61) and/or a violation of facility permit limits. A no observed effect concentration (NOEC) less than 100% effluent in a chronic test may constitute an exceedance of 62-302.530(61) and/or a violation of facility permit limits. Standard reference toxicant (SRT) tests are conducted monthly to ensure quality in toxicity testing.

(4) Definition of Qualifiers

A - Value reported is the mean of two or more determinations
B - Results based on colony counts outside the acceptable range.
I - The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J - Estimated value
K - Actual value is known to be less than value given
L - Actual value is known to be greater than value given
N - Presumptive evidence of presence of material.
O - Sampled, but analysis lost or not performed.
Q - Sample held beyond normal holding time.
T - Value reported is less than the criterion of detection.
U - Material was analyzed for but not detected. The reported value is the method detection limit for the sample analyzed.
V - Analyte was detected in both sample and method blank.
X - Too few individuals to calculate SCI value.
Y - The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate
Z - Colonies were too numerous to count (TNTC)

Appendix C
Chemical Analyses of Effluent

Date_Sampled	Field_Sample_ID	Analysis Group	Component	Result	Qualifier	Units	MDL	PQL
1/15/2014 9:45	Anheuser sodfarm-D001	Chlorophyll/Grain Size/BOD	Biochemical Oxygen Demand-5 Day,N-Inhib	3.2	A	mg/L	0.2	2
1/15/2014 9:45	Anheuser sodfarm-D001	Toxicology	Bioassay-Acute-Def-FW-Fish, LC50	100	L	LC50		
1/15/2014 9:45	Anheuser sodfarm-D001	Toxicology	Bioassay-Acute-Def-FW-C.dubia, LC50	100	L	LC50		
1/15/2014 9:45	Anheuser sodfarm-D001	Metals	Chromium	1.1	I	ug/L	0.3	1.2
1/15/2014 9:45	Anheuser sodfarm-D001	Metals	Magnesium	13.3		mg/L	0.04	0.16
1/15/2014 9:45	Anheuser sodfarm-D001	Metals	Aluminum	397		ug/L	5 20	
1/15/2014 9:45	Anheuser sodfarm-D001	Metals	Zinc	9.0	I	ug/L	5 20	
1/15/2014 9:45	Anheuser sodfarm-D001	Metals	Silver	0.025	U	ug/L	0.025	0.1
1/15/2014 9:45	Anheuser sodfarm-D001	Metals	Cadmium	0.050	U	ug/L	0.05	0.2
1/15/2014 9:45	Anheuser sodfarm-D001	Metals	Nickel	3.21		ug/L	0.25	1
1/15/2014 9:45	Anheuser sodfarm-D001	Metals	Copper	4.94		ug/L	0.5	1
1/15/2014 9:45	Anheuser sodfarm-D001	Metals	Arsenic	2.36		ug/L	0.25	1
1/15/2014 9:45	Anheuser sodfarm-D001	Metals	Calcium	10.6		mg/L	0.075	0.3
1/15/2014 9:45	Anheuser sodfarm-D001	Metals	Potassium	19.4		mg/L	0.3	1.2
1/15/2014 9:45	Anheuser sodfarm-D001	Metals	Iron	490		ug/L	30	120
1/15/2014 9:45	Anheuser sodfarm-D001	Metals	Selenium	0.43	I	ug/L	0.2	0.8
1/15/2014 9:45	Anheuser sodfarm-D001	Metals	Lead	0.39	I	ug/L	0.2	0.8
1/15/2014 9:45	Anheuser sodfarm-D001	Metals	Sodium	105		mg/L	0.5	2
1/15/2014 9:45	Anheuser sodfarm-D001	Nutrients	Kjeldahl Nitrogen	3.6		mg N/L	0.08	0.2
1/15/2014 9:45	Anheuser sodfarm-D001	Nutrients	Sulfate	19		mg SO4/L	0.4	1
1/15/2014 9:45	Anheuser sodfarm-D001	Nutrients	Color (true)	190		PCU	7.5	18
1/15/2014 9:45	Anheuser sodfarm-D001	Nutrients	Alkalinity	219		mg CaCO3/L	0.65	2.5
1/15/2014 9:45	Anheuser sodfarm-D001	Nutrients	Fluoride	0.33		mg F/L	0.035	0.1
1/15/2014 9:45	Anheuser sodfarm-D001	Nutrients	TSS	9	I	mg/L	2 10	
1/15/2014 9:45	Anheuser sodfarm-D001	Nutrients	Ammonia-N	1.3		mg N/L	0.02	0.05
1/15/2014 9:45	Anheuser sodfarm-D001	Nutrients	Chloride	45		mg Cl/L	0.4	1
1/15/2014 9:45	Anheuser sodfarm-D001	Nutrients	NO2NO3-N	0.26		mg N/L	0.004	0.01
1/15/2014 9:45	Anheuser sodfarm-D001	Nutrients	Total-P	7.8		mg P/L	0.05	0.5
1/15/2014 9:45	Anheuser sodfarm-D001	Nutrients	Organic Carbon	19		mg C/L	0.5	1
1/15/2014 9:45	Anheuser sodfarm-D001	Nutrients	O-Phosphate-P	7.7		mg P/L	0.4	1
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Demeton	0.023	UJ	ug/L	0.023	0.092
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Malathion	0.0095	U	ug/L	0.0095	0.038
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Metolachlor	0.057	U	ug/L	0.057	0.23
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Prometryn	0.019	U	ug/L	0.019	0.076
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Bromacil	0.038	U	ug/L	0.038	0.15

Date_Sampled	Field_Sample_ID	Analysis Group	Component	Result	Qualifier	Units	MDL	PQL
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Chlorpyrifos Methyl	0.0095	U	ug/L	0.0095	0.038
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Naled	0.038	U	ug/L	0.038	0.15
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Alachlor	0.057	U	ug/L	0.057	0.23
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Ametryn	0.0095	U	ug/L	0.0095	0.038
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Metribuzin	0.019	U	ug/L	0.019	0.076
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Parathion Ethyl	0.019	U	ug/L	0.019	0.076
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Fenamiphos	0.029	U	ug/L	0.029	0.11
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Prometon	0.019	U	ug/L	0.019	0.076
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Atrazine	0.0095	U	ug/L	0.0095	0.038
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Chlorpyrifos Ethyl	0.0095	U	ug/L	0.0095	0.038
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Disulfoton	0.0048	U	ug/L	0.0048	0.019
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Ethion	0.0095	U	ug/L	0.0095	0.038
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Ethoprop	0.0048	U	ug/L	0.0048	0.019
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Diazinon	0.0095	U	ug/L	0.0095	0.038
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Metalaxyl	0.038	U	ug/L	0.038	0.15
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Parathion Methyl	0.0095	U	ug/L	0.0095	0.038
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Simazine	0.0095	U	ug/L	0.0095	0.038
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Atrazine Desethyl	0.0095	U	ug/L	0.0095	0.038
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Butylate	0.019	U	ug/L	0.019	0.076
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Hexazinone	0.029	U	ug/L	0.029	0.11
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Atrazine Desisopropyl	0.0095	U	ug/L	0.0095	0.038
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Azinphos Methyl	0.019	U	ug/L	0.019	0.076
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Fonofos	0.0095	U	ug/L	0.0095	0.038
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Mevinphos	0.0095	U	ug/L	0.0095	0.038
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Norflurazon	0.029	U	ug/L	0.029	0.11
1/15/2014 9:45	Anheuser sodfarm-D001	Pesticides	Phorate	0.0048	U	ug/L	0.0048	0.019
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	3.4	U	ug/L	3.4	14
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Fluorene	0.23	U	ug/L	0.23	0.91
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Anthracene	0.23	U	ug/L	0.23	0.91
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Phenol	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	4-Nitrophenol	17	U	ug/L	17	68
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Fluoranthene	0.23	U	ug/L	0.23	0.91
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Dimethyl phthalate	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Diethyl phthalate	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	2.3	U	ug/L	2.3	9.1
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.23	U	ug/L	0.23	0.91
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Benzo(a)anthracene	0.23	U	ug/L	0.23	0.91
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	2,4-Dimethylphenol	11	U	ug/L	11	45
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	3,3'-Dichlorobenzidine	45	U	ug/L	45	180

Date_Sampled	Field_Sample_ID	Analysis Group	Component	Result	Qualifier	Units	MDL	PQL
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Hexachlorobutadiene	3.4	U	ug/L	3.4	14
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Isophorone	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	N-Nitrosodimethylamine	2.3	U	ug/L	2.3	9.1
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Pentachlorophenol	3.4	U	ug/L	3.4	14
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	2,4-Dinitrophenol	17	UJ	ug/L	17	68
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	2-Nitrophenol	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Acenaphthene	0.23	U	ug/L	0.23	0.91
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Benzidine	110	UJ	ug/L	110	450
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	3.4	U	ug/L	3.4	14
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	2.3	U	ug/L	2.3	9.1
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Acenaphthylene	0.23	U	ug/L	0.23	0.91
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Hexachlorobenzene	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	N-Nitrosodiphenylamine/ Diphenylamine	3.4	U	ug/L	3.4	14
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Nitrobenzene	2.3	U	ug/L	2.3	9.1
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	1,2,4-Trichlorobenzene	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	2,4,6-Trichlorophenol	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	2,4-Dichlorophenol	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	2,4-Dinitrotoluene	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	4-Bromophenyl phenyl ether	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	4-Chloro-3-methylphenol	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Benzo(a)pyrene	0.23	U	ug/L	0.23	0.91
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Naphthalene	0.23	U	ug/L	0.23	0.91
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Phenanthrene	0.23	U	ug/L	0.23	0.91
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Benzo(b)fluoranthene	0.23	U	ug/L	0.23	0.91
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Benzo(k)fluoranthene	0.23	U	ug/L	0.23	0.91
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Chrysene	0.23	U	ug/L	0.23	0.91
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.23	U	ug/L	0.23	0.91
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Di-n-octyl phthalate	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Hexachlorocyclopentadiene	3.4	UJ	ug/L	3.4	14
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Hexachloroethane	3.4	U	ug/L	3.4	14
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Pyrene	0.23	U	ug/L	0.23	0.91
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	2-Chloronaphthalene	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	2.3	U	ug/L	2.3	9.1
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Bis(2-chloroethyl)ether	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Butyl benzyl phthalate	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Di-n-butyl phthalate	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.23	U	ug/L	0.23	0.91
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	2,6-Dinitrotoluene	1.1	U	ug/L	1.1	4.5

Date_Sampled	Field_Sample_ID	Analysis Group	Component	Result	Qualifier	Units	MDL	PQL
1/15/2014 9:45	Anheuser sodfarm-D001	Priority Organic Pollutants	2-Chlorophenol	1.1	U	ug/L	1.1	4.5
1/15/2014 9:45	Anheuser sodfarm-D001	Field Parameter	Temperature	13.2		C		
1/15/2014 9:45	Anheuser sodfarm-D001	Field Parameter	Dissolved Oxygen	1.9		mg/L		
1/15/2014 9:45	Anheuser sodfarm-D001	Field Parameter	pH	7.5				
1/15/2014 9:45	Anheuser sodfarm-D001	Field Parameter	Specific Conductance	613		umhos/cm		
1/15/2014 9:45	Anheuser sodfarm-D001	Field Parameter	Sample Depth	0.1		m		
1/15/2014 10:12	blank	Metals	Potassium	0.30	U	mg/L	0.3	1.2
1/15/2014 10:12	blank	Metals	Nickel	0.25	U	ug/L	0.25	1
1/15/2014 10:12	blank	Metals	Iron	30	U	ug/L	30	120
1/15/2014 10:12	blank	Metals	Chromium	0.30	U	ug/L	0.3	1.2
1/15/2014 10:12	blank	Metals	Selenium	0.20	U	ug/L	0.2	0.8
1/15/2014 10:12	blank	Metals	Copper	0.50	U	ug/L	0.5	1
1/15/2014 10:12	blank	Metals	Aluminum	5.0	U	ug/L	5	20
1/15/2014 10:12	blank	Metals	Silver	0.025	U	ug/L	0.025	0.1
1/15/2014 10:12	blank	Metals	Cadmium	0.050	U	ug/L	0.05	0.2
1/15/2014 10:12	blank	Metals	Zinc	5.0	U	ug/L	5	20
1/15/2014 10:12	blank	Metals	Magnesium	0.040	U	mg/L	0.04	0.16
1/15/2014 10:12	blank	Metals	Arsenic	0.25	U	ug/L	0.25	1
1/15/2014 10:12	blank	Metals	Lead	0.20	U	ug/L	0.2	0.8
1/15/2014 10:12	blank	Metals	Sodium	0.50	U	mg/L	0.5	2
1/15/2014 10:12	blank	Metals	Calcium	0.075	U	mg/L	0.075	0.3
1/15/2014 10:12	blank	Nutrients	NO2NO3-N	0.004	U	mg N/L	0.004	0.01
1/15/2014 10:12	blank	Nutrients	Total-P	0.002	U	mg P/L	0.002	0.005
1/15/2014 10:12	blank	Nutrients	Organic Carbon	0.50	U	mg C/L	0.5	1
1/15/2014 10:12	blank	Nutrients	Alkalinity	0.65	U	mg CaCO3/L	0.65	2.5
1/15/2014 10:12	blank	Nutrients	Color (true)	2.5	U	PCU	2.5	6
1/15/2014 10:12	blank	Nutrients	Sulfate	0.20	U	mg SO4/L	0.2	0.5
1/15/2014 10:12	blank	Nutrients	Kjeldahl Nitrogen	0.080	U	mg N/L	0.08	0.2
1/15/2014 10:12	blank	Nutrients	O-Phosphate-P	0.006	I	mg P/L	0.004	0.01
1/15/2014 10:12	blank	Nutrients	Chloride	0.20	U	mg Cl/L	0.2	0.5
1/15/2014 10:12	blank	Nutrients	Ammonia-N	0.003	I	mg N/L	0.002	0.005
1/15/2014 10:12	blank	Nutrients	Fluoride	0.035	U	mg F/L	0.035	0.1
1/15/2014 10:12	blank	Pesticides	Fenamiphos	0.028	U	ug/L	0.028	0.11
1/15/2014 10:12	blank	Pesticides	Bromacil	0.038	U	ug/L	0.038	0.15
1/15/2014 10:12	blank	Pesticides	Disulfoton	0.0047	U	ug/L	0.0047	0.019
1/15/2014 10:12	blank	Pesticides	Naled	0.038	U	ug/L	0.038	0.15
1/15/2014 10:12	blank	Pesticides	Demeton	0.023	UJ	ug/L	0.023	0.091
1/15/2014 10:12	blank	Pesticides	Butylate	0.019	U	ug/L	0.019	0.076
1/15/2014 10:12	blank	Pesticides	Ametryn	0.0095	U	ug/L	0.0095	0.038

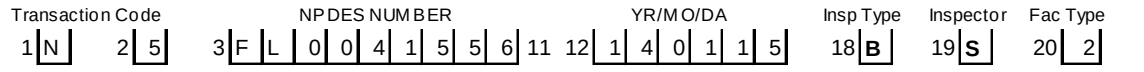
Date_Sampled	Field_Sample_ID	Analysis Group	Component	Result	Qualifier	Units	MDL	PQL
1/15/2014 10:12	blank	Pesticides	Prometryn	0.019	U	ug/L	0.019	0.076
1/15/2014 10:12	blank	Pesticides	Ethion	0.0095	U	ug/L	0.0095	0.038
1/15/2014 10:12	blank	Pesticides	Diazinon	0.0095	U	ug/L	0.0095	0.038
1/15/2014 10:12	blank	Pesticides	Atrazine Desisopropyl	0.0095	U	ug/L	0.0095	0.038
1/15/2014 10:12	blank	Pesticides	Atrazine Desethyl	0.0095	U	ug/L	0.0095	0.038
1/15/2014 10:12	blank	Pesticides	Atrazine	0.0095	U	ug/L	0.0095	0.038
1/15/2014 10:12	blank	Pesticides	Alachlor	0.057	U	ug/L	0.057	0.23
1/15/2014 10:12	blank	Pesticides	Prometon	0.019	U	ug/L	0.019	0.076
1/15/2014 10:12	blank	Pesticides	Metribuzin	0.019	U	ug/L	0.019	0.076
1/15/2014 10:12	blank	Pesticides	Ethoprop	0.0047	U	ug/L	0.0047	0.019
1/15/2014 10:12	blank	Pesticides	Phorate	0.0047	U	ug/L	0.0047	0.019
1/15/2014 10:12	blank	Pesticides	Parathion Methyl	0.0095	U	ug/L	0.0095	0.038
1/15/2014 10:12	blank	Pesticides	Norflurazon	0.028	U	ug/L	0.028	0.11
1/15/2014 10:12	blank	Pesticides	Mevinphos	0.0095	U	ug/L	0.0095	0.038
1/15/2014 10:12	blank	Pesticides	Metolachlor	0.057	U	ug/L	0.057	0.23
1/15/2014 10:12	blank	Pesticides	Fonofos	0.0095	U	ug/L	0.0095	0.038
1/15/2014 10:12	blank	Pesticides	Simazine	0.0095	U	ug/L	0.0095	0.038
1/15/2014 10:12	blank	Pesticides	Metalaxyl	0.038	U	ug/L	0.038	0.15
1/15/2014 10:12	blank	Pesticides	Malathion	0.0095	U	ug/L	0.0095	0.038
1/15/2014 10:12	blank	Pesticides	Hexazinone	0.028	U	ug/L	0.028	0.11
1/15/2014 10:12	blank	Pesticides	Chlorpyrifos Ethyl	0.0095	U	ug/L	0.0095	0.038
1/15/2014 10:12	blank	Pesticides	Azinphos Methyl	0.019	U	ug/L	0.019	0.076
1/15/2014 10:12	blank	Pesticides	Parathion Ethyl	0.019	U	ug/L	0.019	0.076
1/15/2014 10:12	blank	Pesticides	Chlorpyrifos Methyl	0.0095	U	ug/L	0.0095	0.038
1/15/2014 10:12	blank	Priority Organic Pollutants	2,4-Dimethylphenol	9.5	U	ug/L	9.5	38
1/15/2014 10:12	blank	Priority Organic Pollutants	2-Chloronaphthalene	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	4-Nitrophenol	14	U	ug/L	14	57
1/15/2014 10:12	blank	Priority Organic Pollutants	Dimethyl phthalate	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	Fluorene	0.19	U	ug/L	0.19	0.76
1/15/2014 10:12	blank	Priority Organic Pollutants	2-Nitrophenol	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	4-Bromophenyl phenyl ether	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	Acenaphthene	0.19	U	ug/L	0.19	0.76
1/15/2014 10:12	blank	Priority Organic Pollutants	Diethyl phthalate	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	Hexachlorobenzene	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	Isophorone	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	Phenanthrene	0.19	U	ug/L	0.19	0.76
1/15/2014 10:12	blank	Priority Organic Pollutants	3,3'-Dichlorobenzidine	38	U	ug/L	38	150
1/15/2014 10:12	blank	Priority Organic Pollutants	Bis(2-chloroisopropyl)ether	2.9	U	ug/L	2.9	11
1/15/2014 10:12	blank	Priority Organic Pollutants	Bis(2-ethylhexyl)phthalate	1.9	U	ug/L	1.9	7.6

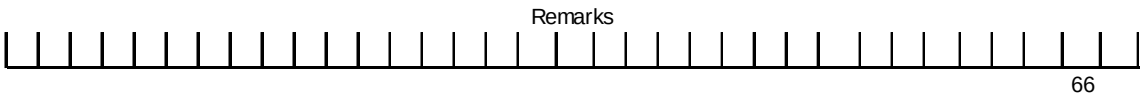
Date_Sampled	Field_Sample_ID	Analysis Group	Component	Result	Qualifier	Units	MDL	PQL
1/15/2014 10:12	blank	Priority Organic Pollutants	Hexachlorobutadiene	2.9	U	ug/L	2.9	11
1/15/2014 10:12	blank	Priority Organic Pollutants	Indeno(1,2,3-cd)pyrene	0.19	U	ug/L	0.19	0.76
1/15/2014 10:12	blank	Priority Organic Pollutants	2,4-Dichlorophenol	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	4-Chlorophenyl phenyl ether	1.9	U	ug/L	1.9	7.6
1/15/2014 10:12	blank	Priority Organic Pollutants	Benzo(k)fluoranthene	0.19	U	ug/L	0.19	0.76
1/15/2014 10:12	blank	Priority Organic Pollutants	Bis(2-chloroethyl)ether	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	Naphthalene	0.19	U	ug/L	0.19	0.76
1/15/2014 10:12	blank	Priority Organic Pollutants	Phenol	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	1,2,4-Trichlorobenzene	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	2,4-Dinitrophenol	14	UJ	ug/L	14	57
1/15/2014 10:12	blank	Priority Organic Pollutants	2-Methyl-4,6-dinitrophenol	2.9	U	ug/L	2.9	11
1/15/2014 10:12	blank	Priority Organic Pollutants	Benzidine	95	U	ug/L	95	380
1/15/2014 10:12	blank	Priority Organic Pollutants	Bis(2-chloroethoxy)methane	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	Di-n-butyl phthalate	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	Di-n-octyl phthalate	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	N-Nitrosodimethylamine	1.9	U	ug/L	1.9	7.6
1/15/2014 10:12	blank	Priority Organic Pollutants	Nitrobenzene	1.9	U	ug/L	1.9	7.6
1/15/2014 10:12	blank	Priority Organic Pollutants	Pentachlorophenol	2.9	U	ug/L	2.9	11
1/15/2014 10:12	blank	Priority Organic Pollutants	2,4-Dinitrotoluene	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	2,6-Dinitrotoluene	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	Benzo(a)pyrene	0.19	U	ug/L	0.19	0.76
1/15/2014 10:12	blank	Priority Organic Pollutants	Benzo(b)fluoranthene	0.19	U	ug/L	0.19	0.76
1/15/2014 10:12	blank	Priority Organic Pollutants	Benzo(g,h,i)perylene	0.19	U	ug/L	0.19	0.76
1/15/2014 10:12	blank	Priority Organic Pollutants	Dibenzo(a,h)anthracene	0.19	U	ug/L	0.19	0.76
1/15/2014 10:12	blank	Priority Organic Pollutants	Fluoranthene	0.19	U	ug/L	0.19	0.76
1/15/2014 10:12	blank	Priority Organic Pollutants	Hexachlorocyclopentadiene	2.9	U	ug/L	2.9	11
1/15/2014 10:12	blank	Priority Organic Pollutants	Hexachloroethane	2.9	U	ug/L	2.9	11
1/15/2014 10:12	blank	Priority Organic Pollutants	4-Chloro-3-methylphenol	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	Anthracene	0.19	U	ug/L	0.19	0.76
1/15/2014 10:12	blank	Priority Organic Pollutants	N-Nitrosodi-n-propylamine	1.9	U	ug/L	1.9	7.6
1/15/2014 10:12	blank	Priority Organic Pollutants	N-Nitrosodiphenylamine/ Diphenylamine	2.9	U	ug/L	2.9	11
1/15/2014 10:12	blank	Priority Organic Pollutants	Pyrene	0.19	U	ug/L	0.19	0.76
1/15/2014 10:12	blank	Priority Organic Pollutants	2,4,6-Trichlorophenol	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	2-Chlorophenol	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	Acenaphthylene	0.19	U	ug/L	0.19	0.76
1/15/2014 10:12	blank	Priority Organic Pollutants	Benzo(a)anthracene	0.19	U	ug/L	0.19	0.76
1/15/2014 10:12	blank	Priority Organic Pollutants	Butyl benzyl phthalate	0.95	U	ug/L	0.95	3.8
1/15/2014 10:12	blank	Priority Organic Pollutants	Chrysene	0.19	U	ug/L	0.19	0.76

EPA End Sheet

The Bioassay of Anheuser Busch - Lem Turner Sod Farm sampled on January 15, 2014. NPDES #FL0041556.

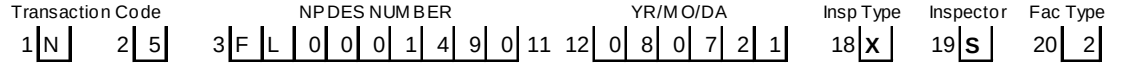
Fill Out This Section For All Surface Water Discharger Inspections(CEI, CSI, CBI, PAI, XSI-RI Optional)

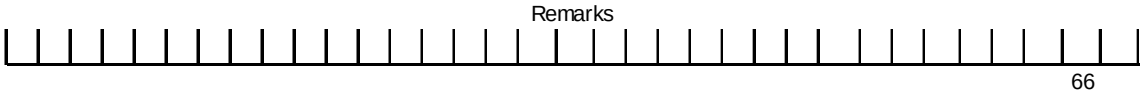




The Priority Pollutants Analysis of Anheuser Busch - Lem Turner Sod Farm sampled on January 15, 2014. NPDES #FL0041556

Fill Out This Section For All Surface Water Discharger Inspections(CEI, CSI, CBI, PAI, XSI-RI Optional)





Biological Analyses of Anheuser Busch - Lem Turner Sod Farm sampled on January 15, 2014. NPDES #FL0041556

Fill Out This Section For All Surface Water Discharger Inspections(CEI, CSI, CBI, PAI, XSI-RI Optional)

