2014 ANNUAL SLUDGE REPORT
MOCCASIN BEND WASTEWATER TREATMENT PLANT
CHATTANOOGA, TN
TN0024210

1.0 GENERAL INFORMATION

1.1 Facility name, address, and phone number:

Moccasin Bend Wastewater Treatment Plant
455 Moccasin Bend Road
Chattanooga, TN 37405
Phone: (423) 643-7088
Fax: (423) 757-4904

1.2 Facility NPDES Permit Number:

NPDES NO. TN0024210

1.3 Name, address, and phone number of the responsible official:

Michael C. Patrick, P.E.
Director, Waste Resources Division
Moccasin Bend Wastewater Treatment Plant
455 Moccasin Bend Road
Chattanooga, TN 37405
Phone: (423) 643-7088
Fax: (423) 757-4904
E-mail: patrick_mike@chattanooga.gov

1.4 Name, address, and phone number of the facility operator:

Mr. Brian Lessman
Plant Manager
Moccasin Bend Wastewater Treatment Plant
455 Moccasin Bend Road
Chattanooga, TN 37405
Phone: (423) 643-7088
Fax: (423) 757-4904
E-mail: lessman_b@chattanooga.gov

Tennessee Wastewater Operator Certification No. 1226

1.5 Name, address, and phone number of additional preparers and/or appliers:

A. Preparer:

Mr. Michael C. Patrick, P.E.
Moccasin Bend Wastewater Treatment Plant
455 Moccasin Bend Road
Chattanooga, TN 37405
Phone: (423) 643-7088
Fax: (423) 757-4904
E-mail: patrick_mike@chattanooga.gov

B. Applier:

Synagro South, LLC
Mr. Bill Bailey, Operations Director
P.O. Box 4130
Chattanooga, TN 37405
(423) 756-1870
(865) 594-7609
FAX: (423) 756-1871
E-mail: BBailey@Synagro.com

1.6 Dry metric tons of Biosolids land applied:

Virtually all biosolids generated at the Moccasin Bend WWTP in 2014 were land applied. The quantities of biosolids generated by the Moccasin Bend WWTP are summarized in Appendix A.

There were a total of 24,025 dry metric tons (71,948 wet tons) of biosolids land applied on 2,552 hectares (6,307 acres). There is a total of 14,692 hectares (36,306 acres) of land that either has participated in Chattanooga's land application program or is currently available for land application.

Please note in Appendix A there is a slight difference between the quantities produced by the City and the quantities hauled and land applied by Synagro South, LLC. This difference is due to amounts of biosolids taken to the Bradley County Landfill, biosolids in storage on farms on January 1, 2014 and December 31, 2014 waiting for application, as well as variations from calculated biosolids produced versus biosolids weighed by the plant scales as they are being transported to the land application sites.

1.7 Location of land application site, disposal site, landfill or incinerator:

All biosolids were land applied during 2014 by Synagro South, LLC. Biosolids were applied in Bledsoe, Grundy, Hamilton, Marion, Meigs, Rhea and Sequatchie Counties in Tennessee. See Appendix B (1) for the various land application sites. Data is reported on an annual basis.

1.8 Biosolids/Land Application Data Management System

In 2007, the City acquired a data management software system for its biosolids and land application program and additional refinements were made to the system in 2008. Most of the biosolids data provided in this report are outputs from this data management system. This system is being used to better track the locations where the biosolids are being applied; the quantities of biosolids being applied; the quality of the biosolids being applied; and compliance with State and Federal biosolids regulations.

This data management system is Material Manager database that was developed and is supported by:

MATERIAL MATTERS, Inc.
P.O. Box 224
Elizabethtown, PA 17022
Phone: (717) 367-9697
FAX: (717) 367-0367

1.9 National Biosolids Partnership (NBP) and Biosolids Management Program (BMP)

The City joined the National Biosolids Partnership (NBP) in August, 2005. The purpose of this effort was to ensure the creditability, confidence and support of its biosolids and land application program. The City adopted a Biosolids Management Policy Statement which references the NBP Code of Good Practice and developed a biosolids management program in conformance to the NBP requirements. In October 2008, the City received a Third Party Verification Audit of the program, with additional audit follow-ups in January 2009, January 2010, April 2010, February 2011, February 2012, January 2013 and March, 2014. Chattanooga was the 23rd agency to receive National Biosolids Partnership Certification, the first (1st) in Tennessee.

2.0 SPECIFIC 40 CFR 503 REQUIREMENTS

2.1 Applicable Conditions

Virtually all biosolids were land applied during 2014. As described in Section 3.1, approximately 345.23 wet tons were disposed of in the Bradley County, TN Landfill located at 282 Nature's Trail, McDonald, TN 37353, due to a mechanical issue whereby trash was not screened appropriately and was noted in the biosolids material. Additionally, 4.38 wet tons were also disposed of at the Bradley County, TN landfill due to a low 24-hour pH reading.

The City of Chattanooga continued its contract with Synagro South, LLC for the land application of the biosolids during the year 2014.

2.1.1 Pollutant Concentrations - Table 3 503.13

The results of the laboratory analyses for these pollutant concentrations for the biosolids land applied may be found in Appendix C, Appendix D, and Appendix E.

2.1.2 Pathogen Requirements - Sewage Sludge Class B 503.32(b)(3)

All biosolids produced by Moccasin Bend WWTP were classified by the City as Class B. They met requirements of 503.32 (b) (3) Class B-Alternative 2. They met the requirements of Processes to Significantly Reduce Pathogens (PSRP) with lime stabilization (Appendix B to Part 503-Pathogen Treatment Processes A.5). (See Appendix G also). Appendix F summarizes the fecal coliform testing performed to demonstrate that the biosolids meet the requirement for Class B – Alternative 1.

2.1.3 Vector Attraction Reduction - 503.33(b)(6)

All land applied biosolids were lime stabilized to meet the Vector Attraction Reduction requirements of 503.33 (b) (6). Appendix G summarizes the pH testing performed.

2.2 Description of Sludge (Biosolids) Processes

2.2.1 Current Practice

2.2.1.1 General

Biosolids generated at the Moccasin Bend Wastewater Treatment Plant during 2014 came from two (2) primary sources: centrifuges followed by post lime stabilization and J-VAP hot water vacuum filter presses.

The following paragraphs describe these sources.

2.2.1.2 High "G" Centrifuge System

Primary sludge and waste activated sludge are gravity thickened prior to sludge dewatering. The thickened mixtures are blended together with anaerobically digested primary sludge prior to being chemically conditioned with polymer before being dewatered by high "G" centrifuges. The resulting cake has a solids content of 20% to 25%.

The dewatered sludge cake is post lime stabilized using lime kiln dust. Adequate lime is added to provide a pH of 12 for two hours and to maintain a pH of 11.5 for 22 additional hours. This material has a solids content of 30% to 35%.

2.2.1.3 Low "G" Centrifuge System

The City's low "G" centrifuge system is used to provide a back-up to the high "G" centrifuges. These centrifuges dewater the same polymer conditioned blend of sludge as the high "G" units. The resulting cake has a solids content of 15% to 20%.

The dewatered sludge cake is post lime stabilized using lime kiln dust. Adequate lime is added to provide a pH of 12 for two hours and to maintain a pH of 11.5 for 22 hours. This material has a solids content of 25% to 30%.

2.2.1.4 Hot Water Vacuum Filter Press Process

The city utilizes the Siemens J-VAP filter press process which includes six (6) filter presses that have been operating since 2009.

A portion of the same thickened mixture of primary sludge, waste activated sludge, and anaerobically digested sludge that is used in the centrifuge process is being pumped to the filter press process for dewatering. Chemical conditioning takes place by the addition of ferric chloride and lime slurry. Resulting cake solids are approximately 45% to 55%.

2.2.2 Other Practices

2.2.2.1 General

In 2014, all biosolids produced were considered Class B for land application purposes.

2.3 Laboratories and Methodologies

2.3.1 General

Samples of biosolids from each production method were collected daily and composited weekly. The 503 inorganic analyses were performed on these composite samples. At the beginning of each month, one grab sample was collected daily from each production line when biosolids were being hauled and analyzed for fecal coliforms until a total of seven samples were obtained. Centrifuge samples were analyzed in-house using membrane filtration, while filter press samples were sent to a contract laboratory for analysis by multiple-tube fermentation. One of the seven grab samples that was being analyzed for fecal coliforms each month was also analyzed for *Salmonella* by the outside laboratory.

Analysis of centrifuge cake pH was performed daily when the centrifuges were in operation. Zero- and 2-hour measurements were performed in the operator laboratory, while 24-hour measurements were completed in the central laboratory. The same is true for the filter presses. For the first cycle from each press each day, the pH of conditioned sludge was measured at 0 hours and 2 hours by the operators, and the pH of the final product was measured at ≥24 hours in the central laboratory.

Analysis of enteric viruses, viable helminth ova, *Salmonella*, fecal coliforms and male-specific coliphage were performed twice during the year on feed and final product for each dewatering process. The feed samples were composites of the previous week, while the final product samples were grabs collected on the day of shipment to the outside lab. The feed sample analysis was done for comparison with final product to demonstrate removal of pathogens from the biosolids.

Annually, weekly composite samples from each dewatering train are analyzed for PCBs and TCLP.

2.3.2 Methodologies

The laboratory methodologies for analyzing samples of the biosolids generated by the Moccasin Bend WWTP are those cited in 503.8 (b) and the State of Tennessee's *Guidelines for the Land Application and Surface Disposal of Biosolids*.

Inorganic analyses were performed according to EPA SW-846, 3rd Edition, 1986, where applicable.

Total solids and nutrient analysis were performed according to APHA *Standard Methods, 18th Edition*, 1992. Fecal coliform testing for all centrifuge samples was conducted according to this method (membrane filtration). Fecal coliform testing on filter press samples was done using EPA Method 1680.

Additional analyses were performed as follows:

Enteric viruses	ASTM Method D 4994-96, 1996
Salmonella	EPA Method 1682
Viable helminth ova	Yanko, W.A. EPA, 1988
Male-specific coliphage	EPA Method 1602
TCLP	EPA SW-846 Method 1311
PCBs	EPA Method 1882

2.3.3 Laboratories

The 503 inorganic analyses and centrifuge fecal coliform analyses were performed by:

Mr. Paul Patterson
Manager of Laboratory Services
Moccasin Bend Wastewater Treatment Plant
455 Moccasin Bend Road
Chattanooga, TN37405
Phone: 423/7643-7088
Fax: 423/757-4904
E-mail: patterson_p@chattanooga.gov

The 503 pathogen analyses (enteric viruses, fecal coliform, helminth ova, and Salmonella sp. bacteria) were performed by:

Analytical Services
130 Allen Brook Lane
Williston, VT 05495

In association with:

Aaron B. Margolin, PhD
Professor
University of New Hampshire
Department of Microbiology
College of Life Sciences and Agriculture
Rudman Hall
Durham, New Hampshire 03824-3544

Fecal coliform analysis and *Salmonella* on grab samples from the filter press process were performed by:

Microbac Laboratories, Inc.
Knoxville Division
505 E. Broadway Avenue
Maryville, TN 37804

The TCLP & PCB analyses were performed by:

ESC Lab Sciences
12065 Lebanon Road
Mt. Juliet, TN 37122

2.4 Certifications

2.4.1 Preparer

"I certify under, penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

February 10, 2015	Signature on file	(423) 643-7088
Date	Michael C. Patrick, P.E. Director, Waste Resources Division	Telephone Number

2.4.2 Applier

See **Appendix B** for certification.

Synagro South LLC
Mr. Bill Bailey, Operations Director
P.O. Box 4130
Chattanooga, TN 37405
(423) 756-1870
(865) 594-7609
FAX: (423) 756-1871
E-mail: BBailey@Synagro.com

3.0 OTHER

On 12/15/2011, the City of Chattanooga's Moccasin Bend Wastewater Treatment Plant (MBWWTP) Biosolids were certified as a "Fertilizer"; Permit #4755; UFTRS CODE #667, and remained certified in 2013. MBWWTP assumes full responsibility for compliance with the Tennessee Commercial Fertilizer Law. As part of MBWWTP's certification a product label has been developed stating its claims and guarantees. Each quarter MBWWTP will report the dry tonnage applied, which will be subject to inspection and fees by the TDA per 40 CFR 503 pollutant concentrations regulations.

3.1 Landfill Disposal

Approximately 345.23 wet tons were of biosolids were transported to the Bradley County Landfill, located at 282 Nature's Trail, McDonald, TN 37353, due to mechanical failure resulting in inadequate trash removal. An additional 4.38 tons of biosolids were also transported to the Bradley County Landfill due to the pH not meeting the necessary requirements.

APPENDIX A
2014 QUANTITIES OF BIOSOLIDS PRODUCED

40CFR 503 ANNUAL SLUDGE REPORT
MOCCASIN BEND WWTP
CHATTANOOGA, TN
NPDES PERMIT NO. TN0024210

Biosolids Summary 2014

Month	Centrifuge Dry Tons	Centrifuge Wet Tons	Filter Press DryTons	Filter Press WetTons	Total Biosolids Dry Tons	Total Biosolids Wet Tons	Total Biosolids Dry Metric Tons	Synagro Total Biosolids Dry Tons	Synagro Total Biosolids Wet Tons	Synagro Total Biosolids Dry Metric Tons
January	1,360.97	6,099.65	72.60	133.80	1,433.57	6,233.45	1,300.53	1,065.00	2,960.00	966.17
February	1,150.18	5,495.02	176.90	323.50	1,327.08	5,818.52	1,203.93	1,837.00	5,142.00	1,666.53
March	1,337.49	6,660.89	176.30	320.20	1,513.79	6,981.09	1,373.31	2,505.00	7,047.00	2,272.54
April	1,439.49	7,038.36	178.50	333.10	1,617.99	7,371.46	1,467.84	3,398.00	9,564.00	3,082.67
May	1,163.39	5,655.42	751.60	1,419.00	1,914.99	7,074.42	1,737.28	3,196.00	8,996.00	2,899.41
June	1,180.58	5,809.99	511.10	1,103.70	1,691.68	6,913.69	1,534.69	1,514.00	3,904.00	1,373.50
July	1,297.56	6,066.75	275.00	583.40	1,572.56	6,650.15	1,426.63	3,801.00	9,635.00	3,448.27
August	1,207.49	5,769.41	238.90	498.60	1,446.39	6,268.01	1,312.17	2,398.00	6,713.00	2,175.47
September	1,253.66	6,037.63	223.50	8.60	1,477.16	6,046.23	1,340.08	2,971.00	7,987.00	2,695.29
October	957.53	4,769.31	712.00	1,499.90	1,669.53	6,269.21	1,514.60	806.00	2,326.00	731.20
November	982.06	4,476.52	65.80	143.60	1,047.86	4,620.12	950.62	1,487.00	3,808.00	1,349.01
December	1,049.44	4,938.62	320.70	665.80	1,370.14	5,604.42	1,242.99	1,505.00	3,866.00	1,365.34
Totals	14,379.84	68,817.57	3,702.90	7,033.20	18,082.74	75,850.77	16,404.66	26,483.00	71,948.00	24,025.38

Please Note: The difference between plant quantities above and land application quantities in Appendix B is due to quantities of biosolids in storage pending land application.

APPENDIX B
2014 LAND APPLICATION SITES ANNUAL FIELD REPORTS AND CERTIFICATION FORM

40CFR 503 ANNUAL SLUDGE REPORT
MOCCASIN BEND WWTP
CHATTANOOGA, TN
NPDES PERMIT NO. TN0024210

SYNAGRO

SITE RESTRICTIONS CERTIFICATION

"I certify under penalty of law, that the information that will be used to determine compliance with the site restrictions in § 503.32(b)(5) was prepared for each site on which bulk sewage sludge was applied under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Project: CHATTANOOGA, TN MOCCASIN BEND WWTP BIOSOLIDS

Reporting Period: January – December 2014

Name: Bill Bailey, Operations Director Synagro

Phone Number: 865-522-3410

Signature: Signature on file Date: 2-9-2015

The site restrictions were met through written agreements with the landowners and/or farm operator (Leaseholder) specifying their obligation to comply with the site restrictions.

BIOSOLIDS LAND APPLICATION ANNUAL REPORT

TOTAL WET TONS
71,948

TOTAL DRY TONS
26,483

TOTAL DRY METRIC TONS
24,025

Period of Report
January 1 thru December 31, 2014

MATERIAL MATTERS, Inc.

Fact Sheet
Calendar Year 2014
Biosolids Land Application Program
Moccasin Bend WWTP
NPDES Permit No. TN 0024210
City of Chattanooga, Tennessee

General

The information contained in this fact sheet is based on information submitted to the EPA and state regulatory agencies as part of the 40 CFR Part 503 Annual Sludge Report for 2014. (40 CFR Part 503.18)

Quantities Produced and Land Applied

Annual Quantities

- 71,948 Wet Tons/year
- 26,483 Dry Tons/year
- 24,025 Dry Metric Tons/year

Monthly Quantities

Month	Wet Tons	Dry Tons	Dry Metric Tons
January	2,960	1,065	967
February	5,142	1,837	1,667
March	7,047	2,505	2,272
April	9,564	3,398	3,083
May	8,996	3,196	2,899
June	3,904	1,514	1,374
July	9,635	3,801	3,448
August	6,713	2,398	2,175
September	7,987	2,971	2,695
October	2,326	806	731
November	3,808	1,487	1,349
December	3,866	1,505	1,365

Quantities Land Applied by State

State	Wet Tons	Dry Tons	Dry Metric Tons
TN	71,948	26,483	24,025

Quantities Land Applied by County

	State	County	Wet Tons	Dry Tons	Dry Metric Tons
•	TN	Bledsoe	37,309	13,482	12,231
•	TN	Grundy	12,782	4,758	4,316
•	TN	Hamilton	10,555	3,911	3,548
•	TN	Marion	2,633	1,031	935
•	TN	Meigs	965	384	349
•	TN	Rhea	6,795	2,562	2,324
•	TN	Sequatchie	908	355	322

Land Application Area

Total Acres Land Applied - By State

	State	Acres	Hectares
•	TN	6,307	2,552

Number of Farms and Total Acres Land Applied - By County

	State	County	Acres	Hectares	Farms
•	TN	Bledsoe	2,825	1,143	96
•	TN	Grundy	1,123	455	31
•	TN	Hamilton	1,085	439	47
•	TN	Marion	508	206	8
•	TN	Meigs	104	42	6
•	TN	Rhea	580	235	31
•	TN	Sequatchie	82	33	2

Total Historic Land Application Acreage - By State

	State	Acres	Hectares
•	AL	7,641	3,092
•	TN	28,665	11,600

Total Historic Land Application Acreage - By County

	State	County	Acres	Hectares
•	AL	Blount	1,079	436
•	AL	Cherokee	40	16
•	AL	DeKalb	1,888	764
•	AL	Etowah	170	69
•	AL	Jackson	2,210	894
•	AL	Madison	100	40
•	AL	Marshall	2,155	872
•	TN	Bledsoe	9,369	3,792
•	TN	Grundy	2,035	823
•	TN	Hamilton	3,498	1,415
•	TN	Marion	5,415	2,191
•	TN	Meigs	1,024	414
•	TN	Rhea	2,849	1,153
•	TN	Sequatchie	3,860	1,562
•	TN	Van Buren	616	249

Nutrient or Fertilizer Content

Data are averaged over 98 sampling events in 2014.

N-P-K and Lime (Ca) Content (% Dry-Wt Basis)

- Total Nitrogen (N) 3.9%
  - Organic Nitrogen (N) 3.8%
  - Ammonia Nitrogen (N) 0.1%
- Phosphorous (P) 8.0%
- Potassium (K) 0.2%
- Calcium (Ca) 12.1%
- Calcium (CaO equiv.) 3.7%

Other Nutrient Content (% Dry-Wt Basis)

- Iron (Fe) 2.0%
- Boron (B) 0.0%
- Sulfur (S) 0.6%

Total Solids & pH

- Total Solids 44.08%
- pH (std. units) 10.85

Potential Value of Nutrients in Biosolids

Value of Commercial Nutrients

- Nitrogen (N) $1,280 /Ton, 100-0-0
- Phosphorous as phosphate (P2O5) $868 /Ton, 0-100-0
- Potassium as potassium oxide (K2O) $1,019 /Ton, 0-0-100
- Ag Lime as calcium carbonate (CaCO3) $37 /Ton, CCE=100

Prices are scaled up as needed to represent the cost of "pure" nutrients: 100-0-0, 0-100-0, 0-0-100, and CCE=100, respectively.
Values are based on regional ag-coop prices, adjusted to include hauling and spreading costs for a typical corn grain crop.

Value of Nutrients in Biosolids

- Ammonia Nitrogen (NH4 as N) $1.65 /Dry Ton
- Organic Nitrogen (as N) $21.92 /Dry Ton
- Phosphorous as phosphate (P2O5) $159.62 /Dry Ton
- Potassium as potassium oxide (K2O) $3.79 /Dry Ton
- Ag Lime as calcium carbonate (CaCO3) $2.45 /Dry Ton
- Total: $189.43 /Dry Ton

The current year's and the next two years' mineralization of Organic Nitrogen is used in determining its immediate value. In the first three years, only 45.3% of the Organic Nitrogen is plant available, and only that portion is being assigned monetary value in this calculation. The remaining portion, as well as the other tangible benefits of adding organics to soils, is not included.

Total Annual Value of Nutrients in Biosolids Provided to Farmers

- Nitrogen (NH4 and available OrgN as N) $624,000
- Phosphorous as phosphate (P2O5) $4,227,000
- Potassium as potassium oxide (K2O) $100,000
- Ag Lime as calcium carbonate (CaCO3) $65,000

Only nutrients for which there is a net-crop need should be included in monetary valuation, on a field-by-field basis. Applications are Nitrogen-based, so the Nitrogen value should be included in its entirety. Liming of fields is typically necessary under normal farming operations, so the Ag Lime value should also be included in its entirety.

Quality Assurance/Quality Control

- Class B Biosolids (Pathogen Reduction 40 CFR 503.32) -- Biosolids may be land applied with stipulated restrictions and setbacks as defined in the regulations (40 CFR Part 503.14).
- Vector Attraction Reduction - Addition of Alkali (40 CFR 503.33(b)(6)) -- Biosolids are stabilized by the addition of lime kiln dust and raising the pH to greater than 12.0 for two (2) hours and retaining pH at or above 11.5 for an additional 22 hours as required by regulation.

Monitoring Requirements

- Minimum Monitoring Requirements (40 CFR Part 503.16, Table 1) -- For a plant generating greater than or equal to 15,000 metric tons per year, the required minimum monitoring frequency is once per month.
- City Monitoring Practices:

Total Solids, pH (grab samples)	Daily
Nutrients (N, P and K); Other Nutrients (Ca, Fe, B, and S) Regulated Metals; Fecal Coliform; and Total Solids (composite sample)	Once/Week
Pathogens for Class A and Class B biosolids	Once/Month
Pathogens (Dewatering Feed Solids)	Once/Quarter
PCB and TCLP	Once/Year

Production Methods

- Wastewater Treatment Process:
  The Moccasin Bend WWTP has a treatment capacity of 140 million gallons per day (MGD). The plant operates the following liquid treatment unit processes:
  1. Screening sand grit removal;
  2. Primary settling and scum removal;
  3. High purity oxygen activated sludge biological treatment;
  4. Final clarification;
  5. Chlorine disinfection;
  6. Sodium bisulfite dechlorination; and
  7. CSO/wet-weather treatment with a capacity of 80 MGD includes screenings and grit removal, polymer-aided primary treatment and chlorine disinfection.

- Biosolids Treatment Process:
  The Moccasin Bend WWTP has dewatering capacity of 120 dry tons per day. If solids inventory require, dewatering processes can be ramped up to a capacity of 160 dry tons per day. The plant currently operates the following solids treatment unit processes:
  1. Gravity thickening of primary and waste-activated solids;
  2. Thermophilic/mesophilic anaerobic digestion of primary solids;
  3. Waste-activated solids are blended with digested primary solids;
  4. Chemical conditioning of blended solids with polymer followed by dewatering via two (2) 60 dry ton per day high "G" centrifuges or two (2) 50 dry ton per day low "G" centrifuges;
  5. Dewatered solids from the centrifuges are lime stabilized with lime kiln dust to produce Class B biosolids;
  6. A second dewatering process available consists of chemical conditioning of blended solids with lime slurry and ferric chloride followed by hot water vacuum filter presses capable of processing approximately 43 dry tons per day;
  7. The biosolids produced from these processes are combined and land applied on agricultural sites.

Other Considerations

Environmental and Conserved Natural Resources Value

- 488 tons of Nitrogen were recycled.
- 19,900 mmBTU (million BTU) of natural gas was conserved.
- 1,220 tons of CO2 did not end up in atmosphere.

APPENDIX B (1)
2014 LAND APPLICATION SITES
Agronomic Loading Rate Summary

40CFR 503 ANNUAL SLUDGE REPORT
MOCCASIN BEND WWTP
CHATTANOOGA, TN
NPDES PERMIT NO. TN0024210

Chattanooga MBWWTP 2014 Biosolids Annual Report
Farm-Level Summary

Farm Code	Farm Name	County	Lat	Lon	WT	DT	Spread Acres	Total Agro. Acres
BL008	GRAY, ROGER	Bledsoe	35.42355	-85.317976	3096.9	1230.4	308.9	308.9
BL020	CAGLE, BILLY E	Bledsoe	35.5424	-85.2348	1017.1	407.1	106.9	162.6
BL025	BURNS FARM CORPORATION	Bledsoe	35.59194	-85.255083	776.8	288.1	99.5	99.5
BL026	LOYD, ROBERT C	Bledsoe	35.5741	-85.1929	550.8	220.5	54.6	81.1
BL028	ELLIS, JEANNE	Bledsoe	35.66064	-85.136973	2617.4	934.5	177.5	177.5
BL032	JOHNSON, KIM	Bledsoe	35.5803	-85.1919	122.0	48.8	10.2	10.2
BL038	Sheldon Property	Bledsoe	35.59455	-85.216231	5933.2	2096.2	352.9	409.7
BL039	SWAFFORD, JOHN & LEON	Bledsoe	35.6282	-85.1373	2020.7	724.4	183.3	192.8
BL040	BROWN, RICHARD	Bledsoe	35.61436	85.136978	995.6	352.4	70.9	75.6
BL044	HAMILTON JR, GEORGE	Bledsoe	35.49765	85.266927	1172.5	416.1	77.2	84.1
BL046	HAMILTON, GEORGE JR	Bledsoe	35.51729	-85.282167	1149.6	457.6	108.7	108.7
BL047	PENDERGRASS, LEROY	Bledsoe	35.61239	85.178867	1975.7	699.5	111.4	111.4
BL048	AULT, DION	Bledsoe	35.6639	85.133886	1357.9	472.1	108.3	108.3
BL050	HART, JOHN	Bledsoe	35.60941	85.169623	1378.6	489.9	88.2	153.4
BL051	REECE, BRAD	Bledsoe	35.6156	85.265839	874.1	303.7	73	86.7
BL052	REECE, RONNIE	Bledsoe	35.61186	85.289337	1974.9	686.2	158.2	158.2
BL053	BILBREY, JIM	Bledsoe	35.734	-85.0785	10295.4	3654.2	735.2	735.2
GY002	CORDELL, JAMES	Grundy	35.40997	-85.542083	3114.4	1142.0	242.3	361.3
GY004	HILL, HUGH	Grundy	35.44177	-85.766273	2298.4	901.8	205.2	205.2
GY006	CORDELL, CLIFFORD	Grundy	35.41182	-85.562615	1098.9	372.5	99.4	99.4
GY007	SaVAGE CREEK TRUST	Grundy	35.42779	-85.558621	658.5	222.8	68.4	68.4
GY011	COX, WILLIAM	Grundy	35.4163	-85.7244	1512.2	585.7	155.4	172.8
GY012	COX, BOBBY	Grundy	35.4211	-85.726	436.2	147.6	46.6	46.6
GY014	COX, JOHN E	Grundy	35.35147	-85.643211	885.6	299.7	69.4	69.4
GY015	PRYOR, FRANCIS	Grundy	35.03944	-85.686087	1609.5	629.3	142.9	160.8
GY016	ANDERSON, CAROLYN	Grundy	35.42767	-85.562888	1168.4	456.7	93.7	107.2
HA004	Laurie Bozzone/Don Watson	Hamilton	35.2907	-85.061997	1738.6	686.7	162.9	409.1
HA005	CROOKS, JAMES	Hamilton	35.2238	-85.0159	413.2	163.2	42.9	42.9
HA006	CAMPBELL, RAY	Hamilton	35.2304	-85.0139	587.5	232.0	78.7	80.5

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Farm Code	Farm Name	County	Lat	Lon	WT	DT	Spread Acres	Total Agro. Acres
HA007	BEST, JAMES	Hamilton	35.2664	-85.9906	820.8	326.7	82.4	82.4
HA012	Anita Tinker	Hamilton	35.26407	-85.046688	178.6	70.5	31	31
HA013	SPLAN, CHARLES	Hamilton	35.2711	-85.0483	96.5	38.1	12.7	12.7
HA018	SHELLY, JOHNNY	Hamilton	35.2766	-84.9671	579.4	210.7	65.7	89.9
HA026	Jim Frost	Hamilton	35.28817	-85.020099	661.9	263.5	68.4	174.7
HA031	JiMENEZ, DAVID	Hamilton	35.21836	-85.019377	282.9	111.7	43.6	43.6
HA032	SMITH, ADDIE	Hamilton	35.2275	-85.0126	136.7	54.0	19.8	56.6
HA037	BETTIS, JAMES	Hamilton	35.2906	-84.9798	269.9	107.4	43.3	43.3
HA044	NORMAN, DENNIS	Hamilton	35.3216	-85.0183	340.6	135.6	49	49
HA046	HUGHES, ARLENE	Hamilton	35.21201	-85.005541	2427.1	823.6	207.3	207.3
HA047	FLP SMITH, BETTIE	Hamilton	35.23586	-85.001859	2021.6	687.8	177	219
MR011	FULTS, JOHNNY	Marion	35.19174	-85.6414	2535.4	996.8	430.9	725
MR029	GWYNN, PHILIP	Marion	35.1915	-85.3983	98.0	34.0	77.5	77.5
MS006	JoHNSON, R. DALLAS	Meigs	35.3186	-84.9238	965.3	384.2	104.3	112
RH007	Massengale, Don	Rhea	35.5125	-84.9408	255.6	99.4	39.4	158.1
RH019	HARRISON, ALVIN	Rhea	35.55448	-84.942433	631.4	226.3	54.1	54.1
RH020	HARRISON, ALVIN	Rhea	35.61402	-84.870402	1624.3	586.6	116.7	116.7
RH022	HOUSLEY, JAMES	Rhea	35.47181	84.943436	550.9	197.5	36.7	57.5
RH023	ROBERTS, CHARLES	Rhea	35.49482	84.958596	1580.9	615.3	166.1	192.3
RH025	BEST, TOM & ALLISON, TIM	Rhea	35.52456	-84.908911	2152.0	836.8	166.7	199.6
SE013	Mary Grace Kelly	Sequatchie	35.51682	-85.430217	907.6	354.8	82	129.2

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Farm Code	Farm Name	Field	Crop Year	Acres	Crop	First Date	Last Date	PAN applied (lbs/Ac)	Method	Calc. Appl. Rate DT/A	Spread WT/Ac	Spread DT/A	Spread DT	Spread WT
BL008	GRAY, ROGER	01	2014	56.8	Tall Fescue Hay (3 T/ac)	7/23/2014	7/23/2014	101.3	Surface	5.1	10.8	4.3	243.2	611.0
BL008	GRAY, ROGER	02	2014	76.9	Tall Fescue Hay (3 T/ac)	7/24/2014	7/24/2014	89.8	Surface	5.0	9.5	3.8	289.2	732.3
BL008	GRAY, ROGER	03	2014	17	Tall Fescue Hay (3 T/ac)	6/20/2014	6/20/2014	106.9	Surface	5.1	11.4	4.5	76.8	193.0
BL008	GRAY, ROGER	04	2014	78.7	Tall Fescue Hay (3 T/ac)	6/20/2014	6/21/2014	87.8	Surface	5.1	9.3	3.7	292.2	734.2
BL008	GRAY, ROGER	05	2014	79.5	Tall Fescue Hay (3 T/ac)	7/22/2014	7/23/2014	97.9	Surface	5.1	10.4	4.1	329.0	826.5
BL020	CAGLE, BILLY E	01	2014	23	Tall Fescue Hay (3 T/ac)	6/2/2014	6/2/2014	106.5	Surface	4.9	11.3	4.5	104.4	260.8
BL020	CAGLE, BILLY E	03	2014	14.3	Tall Fescue Hay (3 T/ac)	6/2/2014	6/2/2014	101.2	Surface	4.8	10.8	4.3	61.6	154.0
BL020	CAGLE, BILLY E	04	2014	22.7	Tall Fescue Hay (3 T/ac)	6/3/2014	6/3/2014	91.4	Surface	4.6	9.7	3.9	88.4	220.8
BL020	CAGLE, BILLY E	06	2014	40.3	Tall Fescue Hay (3 T/ac)	6/4/2014	6/4/2014	73.3	Surface	4.7	7.8	3.1	125.8	314.4
BL020	CAGLE, BILLY E	07	2014	6.6	Tall Fescue Hay (3 T/ac)	6/3/2014	6/3/2014	95.7	Surface	4.8	10.2	4.1	26.9	67.2
BL025	BURNS FARM CORPORATION	01	2014	48.9	Tall Fescue Hay (3 T/ac)	5/16/2014	5/19/2014	68.9	Surface	3.4	8.3	2.9	141.2	408.1
BL025	BURNS FARM CORPORATION	02	2014	50.6	Tall Fescue Hay (3 T/ac)	5/20/2014	5/21/2014	68.6	Surface	3.6	7.3	2.9	147.0	368.7
BL026	LOYD, ROBERT C	01	2014	27.5	Tall Fescue Hay (3 T/ac)	5/27/2014	5/28/2014	98.9	Surface	4.7	10.5	4.2	115.9	289.6
BL026	LOYD, ROBERT C	02	2014	18.7	Tall Fescue Hay (3 T/ac)	5/28/2014	5/28/2014	88.8	Surface	4.5	9.5	3.8	70.7	176.7
BL026	LOYD, ROBERT C	05	2014	8.4	Tall Fescue Hay (3 T/ac)	5/28/2014	5/28/2014	94.4	Surface	4.6	10.0	4.0	33.8	84.4
BL028	ELLIS, JEANNE	01	2014	21.3	Corn Grain 176 - 200 bu (pre GP)	4/2/2014	4/2/2014	142.6	Surface	6.9	17.5	6.2	132.3	372.3
BL028	ELLIS, JEANNE	02	2014	28.9	Corn Grain 176 - 200 bu (pre GP)	2/21/2014	2/24/2014	131.6	Surface	6.6	16.5	5.9	170.7	476.1
BL028	ELLIS, JEANNE	03	2014	40.3	Corn Grain 176 - 200 bu (pre GP)	2/25/2014	2/25/2014	131.4	Surface	6.7	16.2	5.8	233.4	654.4
BL028	ELLIS, JEANNE	04	2014	4.7	Corn Grain 176 - 200 bu (pre GP)	2/24/2014	2/24/2014	134.6	Surface	6.7	16.9	6.0	28.4	79.2
BL028	ELLIS, JEANNE	05	2014	24.2	Corn Grain 176 - 200 bu (pre GP)	2/20/2014	2/21/2014	129.9	Surface	6.9	16.3	5.8	141.1	393.7
BL028	ELLIS, JEANNE	06	2014	29.8	Tall Fescue Hay (pre GP)	4/3/2014	4/4/2014	118.2	Surface	5.7	14.5	5.1	153.3	431.4
BL028	ELLIS, JEANNE	07	2014	14.1	Tall Fescue Hay (pre GP)	2/24/2014	2/24/2014	95.1	Surface	5.3	11.9	4.3	60.2	167.9
BL028	ELLIS, JEANNE	08	2014	14.2	Tall Fescue Hay (pre GP)	4/4/2014	4/4/2014	24.4	Surface	5.9	3.0	1.1	15.1	42.5
BL032	JOHNSON, KIM	01	2014	10.2	Tall Fescue Hay (3 T/ac)	5/29/2014	5/29/2014	112.4	Surface	5.1	12.0	4.8	48.8	122.0
BL038	Sheldon Property	01	2014	60.5	Corn Grain 176 - 200 bu (pre GP)	4/24/2014	4/25/2014	138.0	Surface	6.9	16.8	5.9	359.6	1018.3
BL038	Sheldon Property	02	2014	45.5	Corn Grain 176 - 200 bu (pre GP)	4/25/2014	4/26/2014	136.5	Surface	6.9	16.7	5.9	267.6	757.7
BL038	Sheldon Property	03	2014	47.7	Corn Grain 176 - 200 bu (pre GP)	4/29/2014	4/30/2014	167.4	Surface	7.8	20.4	7.2	344.0	974.2
BL038	Sheldon Property	04	2014	16.5	Corn Grain 176 - 200 bu (pre GP)	4/30/2014	4/30/2014	143.5	Surface	7.2	17.5	6.2	102.0	288.9
BL038	Sheldon Property	05	2014	52	Corn Grain 176 - 200 bu (pre GP)	4/3/2014	5/3/2014	147.5	Surface	7.2	18.0	6.4	330.4	935.5
BL038	Sheldon Property	06	2014	14.2	Corn Grain 176 - 200 bu (pre GP)	5/5/2014	5/5/2014	118.8	Surface	6.6	14.5	5.1	72.7	205.7
BL038	Sheldon Property	07	2014	36.2	Corn Grain 176 - 200 bu (pre GP)	4/8/2014	5/6/2014	97.5	Surface	6.4	11.9	4.2	150.7	429.2
BL038	Sheldon Property	08	2014	80.3	Corn Grain 176 - 200 bu (pre GP)	4/1/2014	4/9/2014	134.8	Surface	7.4	16.5	5.8	469.2	1323.6
BL039	SWAFFORD, JOHN & LEON	01	2014	37.5	Tall Fescue Hay (pre GP)	4/17/2014	4/18/2014	102.1	Surface	5.4	12.8	4.6	171.9	479.4
BL039	SWAFFORD, JOHN & LEON	02	2014	15.7	Tall Fescue Hay (pre GP)	4/10/2014	4/10/2014	76.5	Surface	5.9	9.6	3.4	53.9	150.5
BL039	SWAFFORD, JOHN & LEON	03	2014	36.9	Tall Fescue Hay (pre GP)	4/9/2014	4/9/2014	73.0	Surface	5.9	9.1	3.3	120.8	337.0
BL039	SWAFFORD, JOHN & LEON	04	2014	36.4	Tall Fescue Hay (pre GP)	4/11/2014	4/11/2014	102.9	Surface	5.4	12.9	4.6	168.1	468.8
BL039	SWAFFORD, JOHN & LEON	05	2014	17.7	Tall Fescue Hay (pre GP)	4/21/2014	4/21/2014	78.5	Surface	6.1	9.8	3.5	62.3	173.9
BL039	SWAFFORD, JOHN & LEON	06	2014	23.4	Tall Fescue Hay (pre GP)	4/21/2014	4/22/2014	68.8	Surface	5.9	8.6	3.1	72.2	201.5
BL039	SWAFFORD, JOHN & LEON	08	2014	15.7	Tall Fescue Hay (pre GP)	4/16/2014	4/16/2014	106.6	Surface	5.4	13.3	4.8	75.1	209.6
BL040	BROWN, RICHARD	02	2014	1.8	Tall Fescue Pasture (pre GP)	3/10/2014	3/10/2014	74.3	Surface	3.8	9.1	3.2	5.8	16.3
BL040	BROWN, RICHARD	03	2014	8.8	Tall Fescue Pasture (pre GP)	3/10/2014	3/10/2014	82.7	Surface	4.0	10.1	3.6	31.4	88.8
BL040	BROWN, RICHARD	05	2014	9	Tall Fescue Pasture (pre GP)	3/10/2014	3/10/2014	60.6	Surface	3.7	7.4	2.6	23.5	66.5

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BL040	BROWN, RICHARD	06	2014	22	Corn Grain 176 - 200 bu (pre GP)	3/7/2014	3/10/2014	130.6	Surface	6.5	15.9	5.6	123.8	350.4
BL040	BROWN, RICHARD	07	2014	29.3	Corn Grain 176 - 200 bu (pre GP)	3/6/2014	3/6/2014	132.1	Surface	6.7	16.2	5.7	168.0	473.5
BL044	HAMILTON JR, GEORGE	1	2014	23	Tall Fescue Hay (pre GP)	3/11/2014	3/11/2014	101.9	Surface	5.1	12.4	4.4	100.9	285.8
BL044	HAMILTON JR, GEORGE	2	2014	24.2	Corn Grain 176 - 200 bu (pre GP)	2/28/2014	2/28/2014	133.5	Surface	6.6	16.4	5.8	140.7	395.9
BL044	HAMILTON JR, GEORGE	3	2014	30	Corn Grain 176 - 200 bu (pre GP)	2/27/2014	2/28/2014	133.5	Surface	6.8	16.4	5.8	174.4	490.8
BL046	HAMILTON, GEORGE JR	1	2014	21.9	Tall Fescue Hay (3 T/ac)	6/25/2014	6/25/2014	105.2	Surface	5.1	11.2	4.4	97.4	244.7
BL046	HAMILTON, GEORGE JR	2	2014	33.9	Tall Fescue Hay (3 T/ac)	6/24/2014	6/24/2014	103.8	Surface	5.1	11.0	4.4	148.8	373.8
BL046	HAMILTON, GEORGE JR	3	2014	7.3	Tall Fescue Hay (3 T/ac)	6/25/2014	6/25/2014	106.1	Surface	5.1	11.3	4.5	32.7	82.2
BL046	HAMILTON, GEORGE JR	4	2014	22.3	Tall Fescue Hay (3 T/ac)	6/25/2014	6/26/2014	103.5	Surface	5.1	11.0	4.4	97.5	245.0
BL046	HAMILTON, GEORGE JR	5	2014	15.6	Tall Fescue Hay (3 T/ac)	6/26/2014	6/26/2014	81.8	Surface	5.1	8.7	3.5	53.9	135.5
BL046	HAMILTON, GEORGE JR	6	2014	7.7	Tall Fescue Hay (3 T/ac)	6/26/2014	6/26/2014	83.8	Surface	5.1	8.9	3.5	27.3	68.5
BL047	PENDERGRASS, LEROY	1	2014	71.3	Corn Grain 176 - 200 bu (pre GP)	3/14/2014	3/15/2014	147.0	Surface	7.7	18.1	6.4	456.4	1287.2
BL047	PENDERGRASS, LEROY	2	2014	40.1	Corn Grain 176 - 200 bu (pre GP)	3/15/2014	3/18/2014	140.8	Surface	7.1	17.2	6.1	243.2	688.5
BL048	AULT, DION	1	2014	9	Tall Fescue Hay (3 T/ac)	5/15/2014	5/15/2014	90.6	Surface	5.0	11.0	3.8	34.1	98.7
BL048	AULT, DION	2	2014	14.9	Tall Fescue Hay (3 T/ac)	5/14/2014	5/14/2014	84.6	Surface	5.1	10.3	3.6	53.3	152.9
BL048	AULT, DION	3	2014	26	Tall Fescue Hay (3 T/ac)	5/13/2014	5/13/2014	104.1	Surface	5.1	12.6	4.4	114.7	328.4
BL048	AULT, DION	4	2014	19.6	Tall Fescue Hay (3 T/ac)	5/14/2014	6/9/2014	99.4	Surface	5.1	12.1	4.2	82.4	236.2
BL048	AULT, DION	5	2014	13.2	Tall Fescue Hay (3 T/ac)	6/6/2014	6/6/2014	111.2	Surface	5.0	13.5	4.7	61.8	177.9
BL048	AULT, DION	6	2014	25.6	Tall Fescue Hay (3 T/ac)	6/9/2014	6/9/2014	117.4	Surface	5.0	14.2	4.9	125.9	363.9
BL050	HART, JOHN	1	2014	8.4	Tall Fescue Hay (pre GP)	3/5/2014	3/5/2014	98.1	Surface	5.2	12.0	4.3	35.9	101.0
BL050	HART, JOHN	2	2014	18.3	Tall Fescue Hay (pre GP)	3/5/2014	3/5/2014	109.9	Surface	5.2	13.5	4.8	87.6	246.4
BL050	HART, JOHN	4	2014	22.7	Corn Grain 176 - 200 bu (pre GP)	3/4/2014	3/4/2014	137.0	Surface	6.6	16.8	6.0	135.4	381.0
BL050	HART, JOHN	5	2014	38.8	Corn Grain 176 - 200 bu (pre GP)	2/26/2014	2/26/2014	136.8	Surface	6.6	16.8	6.0	231.1	650.3
BL051	REECE, BRAD	1	2014	23.4	Tall Fescue Hay (3 T/ac)	4/28/2014	5/12/2014	104.9	Surface	5.1	12.7	4.4	104.0	297.8
BL051	REECE, BRAD	4	2014	38.9	Tall Fescue Hay (3 T/ac)	7/8/2014	7/8/2014	91.5	Surface	5.0	11.1	3.8	149.1	431.0
BL051	REECE, BRAD	5	2014	10.7	Tall Fescue Hay (3 T/ac)	5/22/2014	5/22/2014	112.0	Surface	5.1	13.6	4.7	50.6	145.3
BL052	REECE, RONNIE	1	2014	18.2	Tall Fescue Hay (3 T/ac)	4/25/2014	5/23/2014	105.0	Surface	5.0	12.7	4.4	80.1	231.3
BL052	REECE, RONNIE	2	2014	7	Tall Fescue Hay (3 T/ac)	5/23/2014	5/23/2014	99.5	Surface	5.0	12.0	4.2	29.1	84.3
BL052	REECE, RONNIE	3	2014	24.3	Tall Fescue Hay (3 T/ac)	5/22/2014	5/22/2014	112.7	Surface	5.0	13.6	4.7	114.8	331.5
BL052	REECE, RONNIE	4	2014	29.6	Tall Fescue Hay (3 T/ac)	5/21/2014	5/22/2014	108.7	Surface	5.1	13.2	4.6	135.9	390.1
BL052	REECE, RONNIE	5	2014	7.3	Tall Fescue Hay (3 T/ac)	5/21/2014	5/21/2014	99.9	Surface	5.1	12.1	4.2	30.9	88.5
BL052	REECE, RONNIE	6	2014	22.5	Tall Fescue Hay (3 T/ac)	5/21/2014	5/21/2014	106.0	Surface	5.1	12.9	4.5	101.0	289.3
BL052	REECE, RONNIE	7	2014	18.3	Tall Fescue Hay (3 T/ac)	5/23/2014	5/23/2014	70.5	Surface	5.0	8.5	3.0	54.0	156.2
BL052	REECE, RONNIE	8	2014	31	Tall Fescue Hay (3 T/ac)	5/21/2014	5/23/2014	107.5	Surface	5.1	13.0	4.5	140.4	403.9
BL053	BILBREY, JIM	1	2014	19.3	Tall Fescue Hay (pre GP)	4/14/2014	5/2/2014	109.1	Surface	7.0	13.2	4.6	89.3	255.6
BL053	BILBREY, JIM	10	2014	26.7	Tall Fescue Hay (pre GP)	4/11/2014	5/1/2014	146.9	Surface	7.1	17.9	6.3	168.9	478.4
BL053	BILBREY, JIM	11	2014	45.7	Tall Fescue Pasture (pre GP)	3/27/2014	3/27/2014	104.4	Surface	5.2	12.8	4.5	207.7	584.4
BL053	BILBREY, JIM	12	2014	29.9	Tall Fescue Pasture (pre GP)	3/26/2014	3/26/2014	106.2	Surface	5.2	13.0	4.6	138.3	389.1
BL053	BILBREY, JIM	13	2014	58.9	Tall Fescue Pasture (pre GP)	2/11/2014	2/14/2014	102.2	Surface	5.4	12.8	4.6	270.3	754.1
BL053	BILBREY, JIM	14	2014	55.7	Tall Fescue Hay (pre GP)	1/25/2014	2/11/2014	139.3	Surface	7.4	17.4	6.3	348.2	971.4
BL053	BILBREY, JIM	15	2014	40	Tall Fescue Hay (pre GP)	3/12/2014	3/13/2014	140.6	Surface	7.4	17.6	6.3	252.5	704.4
BL053	BILBREY, JIM	16	2014	31.1	Tall Fescue Hay (pre GP)	2/17/2014	3/12/2014	138.8	Surface	7.4	17.4	6.2	193.7	540.4

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BL053	BILBREY, JIM	17	2014	69.4	Tall Fescue Hay (pre GP)	4/16/2014	4/18/2014	105.3	Surface	7.2	13.0	4.6	320.7	900.3
BL053	BILBREY, JIM	18	2014	32.8	Tall Fescue Hay (pre GP)	5/6/2014	5/6/2014	105.6	Surface	7.0	12.8	4.5	146.7	420.2
BL053	BILBREY, JIM	19	2014	30.8	Tall Fescue Hay (pre GP)	5/5/2014	5/5/2014	108.3	Surface	7.0	13.1	4.6	141.3	404.7
BL053	BILBREY, JIM	2	2014	28.5	Tall Fescue Pasture (pre GP)	3/20/2014	3/21/2014	104.2	Surface	5.4	13.0	4.7	133.3	371.8
BL053	BILBREY, JIM	20	2014	91.3	Tall Fescue Hay (pre GP)	5/7/2014	5/8/2014	101.4	Surface	7.0	12.3	4.3	392.2	1123.2
BL053	BILBREY, JIM	3	2014	19.8	Tall Fescue Hay (pre GP)	6/12/2014	6/12/2014	103.0	Surface	6.9	12.5	4.3	85.3	246.7
BL053	BILBREY, JIM	4	2014	30.4	Tall Fescue Hay (pre GP)	4/11/2014	4/11/2014	92.5	Surface	7.4	11.5	4.1	125.4	350.4
BL053	BILBREY, JIM	5	2014	40.8	Tall Fescue Hay (pre GP)	3/24/2014	3/25/2014	145.6	Surface	7.3	18.0	6.4	261.3	733.2
BL053	BILBREY, JIM	6	2014	18.5	Tall Fescue Hay (pre GP)	4/9/2014	4/9/2014	101.9	Surface	7.2	12.5	4.4	82.1	231.0
BL053	BILBREY, JIM	7	2014	13.7	Tall Fescue Hay (pre GP)	5/1/2014	5/1/2014	107.0	Surface	7.1	13.0	4.6	63.1	178.8
BL053	BILBREY, JIM	8	2014	23.8	Tall Fescue Hay (pre GP)	4/9/2014	4/10/2014	104.2	Surface	7.2	12.8	4.5	108.0	303.8
BL053	BILBREY, JIM	9	2014	28.1	Tall Fescue Hay (pre GP)	4/1/2014	4/1/2014	102.7	Surface	7.2	12.6	4.5	125.7	353.6
GY002	CORDELL, JAMES	01	2015	34.4	Tall Fescue Hay (3 T/ac)	9/13/2014	9/18/2014	112.8	Surface	4.9	13.7	4.6	159.4	469.9
GY002	CORDELL, JAMES	02	2015	15.9	Tall Fescue Hay (3 T/ac)	9/22/2014	9/22/2014	110.5	Surface	4.9	13.4	4.5	72.2	212.6
GY002	CORDELL, JAMES	03	2015	47	Tall Fescue Hay (3 T/ac)	9/13/2014	9/23/2014	112.9	Surface	4.9	13.7	4.6	218.3	644.6
GY002	CORDELL, JAMES	09	2015	145	Tall Fescue Hay (3 T/ac)	9/10/2014	9/13/2014	115.4	Surface	5.0	12.3	4.8	692.1	1787.3
GY004	HILL, HUGH	01	2015	25.2	Tall Fescue Hay (3 T/ac)	9/22/2014	9/22/2014	106.3	Surface	5.0	11.3	4.4	111.6	284.4
GY004	HILL, HUGH	02	2015	89.1	Tall Fescue Hay (3 T/ac)	9/24/2014	10/1/2014	103.6	Surface	5.0	11.0	4.3	384.4	979.7
GY004	HILL, HUGH	03	2015	48.3	Tall Fescue Hay (3 T/ac)	9/17/2014	9/18/2014	107.2	Surface	5.0	11.4	4.5	215.7	549.7
GY004	HILL, HUGH	04	2015	42.6	Tall Fescue Hay (3 T/ac)	9/19/2014	9/19/2014	107.1	Surface	5.0	11.4	4.5	190.1	484.5
GY006	CORDELL, CLIFFORD	01	2015	10.8	Tall Fescue Hay (3 T/ac)	10/3/2014	10/3/2014	73.7	Surface	4.9	9.0	3.0	32.8	96.9
GY006	CORDELL, CLIFFORD	02	2015	22.7	Tall Fescue Hay (3 T/ac)	10/2/2014	10/2/2014	63.8	Surface	4.9	7.7	2.6	59.5	175.4
GY006	CORDELL, CLIFFORD	03	2015	65.9	Tall Fescue Hay (3 T/ac)	9/30/2014	10/2/2014	103.3	Surface	4.9	12.5	4.3	280.2	826.6
GY007	SaVAGE CREEK TRUST	01	2015	43	Tall Fescue Hay (3 T/ac)	9/25/2014	9/26/2014	104.8	Surface	5.0	12.8	4.3	186.0	549.8
GY007	SaVAGE CREEK TRUST	02	2015	13.8	Tall Fescue Hay (3 T/ac)	9/26/2014	9/26/2014	23.2	Surface	5.0	2.8	1.0	13.2	39.1
GY007	SaVAGE CREEK TRUST	03	2015	11.6	Tall Fescue Hay (3 T/ac)	9/24/2014	9/24/2014	49.2	Surface	5.0	6.0	2.0	23.6	69.6
GY011	COX, WILLIAM	01	2015	17.4	Tall Fescue Hay (3 T/ac)	9/3/2014	9/3/2014	76.6	Surface	5.0	8.1	3.2	55.8	141.4
GY011	COX, WILLIAM	02	2015	50.1	Tall Fescue Hay (3 T/ac)	9/8/2014	9/9/2014	105.9	Surface	5.0	11.2	4.4	222.1	562.4
GY011	COX, WILLIAM	04	2015	32	Tall Fescue Hay (3 T/ac)	9/4/2014	9/4/2014	83.6	Surface	5.0	8.9	3.5	112.0	283.6
GY011	COX, WILLIAM	05	2015	55.9	Tall Fescue Hay (3 T/ac)	9/10/2014	9/11/2014	84.7	Surface	5.0	9.4	3.5	195.7	524.8
GY012	COX, BOBBY	01	2015	32.4	Tall Fescue Hay (3 T/ac)	9/15/2014	9/15/2014	66.5	Surface	5.0	8.1	2.7	89.0	262.9
GY012	COX, BOBBY	02	2015	14.2	Tall Fescue Hay (3 T/ac)	9/15/2014	9/15/2014	100.1	Surface	5.0	12.2	4.1	58.6	173.3
GY014	COX, JOHN E	01	2015	48.1	Tall Fescue Hay (3 T/ac)	10/28/2014	10/28/2014	105.1	Surface	5.0	12.8	4.3	208.5	616.3
GY014	COX, JOHN E	02	2015	11.7	Tall Fescue Hay (3 T/ac)	10/23/2014	10/23/2014	107.9	Surface	5.0	13.2	4.5	52.1	154.0
GY014	COX, JOHN E	03	2015	9.6	Tall Fescue Hay (3 T/ac)	10/20/2014	10/20/2014	98.5	Surface	5.0	12.0	4.1	39.0	115.4
GY015	PRYOR, FRANCIS	01	2015	31.8	Tall Fescue Hay (3 T/ac)	11/15/2014	11/15/2014	108.9	Surface	5.0	11.6	4.5	144.5	369.6
GY015	PRYOR, FRANCIS	02	2015	5.7	Tall Fescue Hay (3 T/ac)	11/18/2014	11/18/2014	107.9	Surface	5.0	11.5	4.5	25.7	65.6
GY015	PRYOR, FRANCIS	04	2015	24.4	Tall Fescue Hay (3 T/ac)	11/19/2014	11/19/2014	100.9	Surface	5.0	10.8	4.2	102.7	262.7
GY015	PRYOR, FRANCIS	05	2015	17.3	Tall Fescue Hay (3 T/ac)	11/6/2014	11/6/2014	106.7	Surface	5.0	11.4	4.5	77.1	197.1
GY015	PRYOR, FRANCIS	06	2015	63.7	Tall Fescue Hay (3 T/ac)	11/14/2014	11/14/2014	105.1	Surface	5.0	11.2	4.4	279.4	714.5
GY016	ANDERSON, CAROLYN	2	2015	23.3	Tall Fescue Hay (3 T/ac)	11/20/2014	11/20/2014	113.1	Surface	5.0	12.1	4.7	110.2	282.1
GY016	ANDERSON, CAROLYN	3	2015	36.3	Tall Fescue Hay (3 T/ac)	11/20/2014	11/21/2014	115.7	Surface	5.0	12.3	4.8	175.2	448.1

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GY016	ANDERSON, CAROLYN	4	2015	34.1	Tall Fescue Hay (3 T/ac)	11/21/2014	11/22/2014	120.4	Surface	5.0	12.9	5.0	171.3	438.2
HA004	Laurie Bozzone/Don Watson	06	2014	22.2	Tall Fescue Hay (3 T/ac)	7/28/2014	7/28/2014	104.1	Surface	5.0	11.0	4.4	96.8	245.0
HA004	Laurie Bozzone/Don Watson	07	2014	9.6	Tall Fescue Hay (3 T/ac)	7/28/2014	7/28/2014	101.0	Surface	5.0	10.7	4.2	40.6	102.8
HA004	Laurie Bozzone/Don Watson	10	2014	28.8	Tall Fescue Hay (3 T/ac)	7/29/2014	7/29/2014	101.4	Surface	5.0	10.8	4.2	122.3	309.7
HA004	Laurie Bozzone/Don Watson	11	2014	33.4	Tall Fescue Hay (3 T/ac)	7/29/2014	7/30/2014	100.5	Surface	5.0	10.7	4.2	140.6	356.1
HA004	Laurie Bozzone/Don Watson	12	2014	32.5	Tall Fescue Hay (3 T/ac)	8/28/2014	8/28/2014	93.4	Surface	5.0	9.9	3.9	127.1	321.8
HA004	Laurie Bozzone/Don Watson	13	2014	36.4	Tall Fescue Hay (3 T/ac)	7/31/2014	7/31/2014	104.5	Surface	5.0	11.1	4.4	159.2	403.2
HA005	CROOKS, JAMES	01	2014	29.3	Tall Fescue Hay (3 T/ac)	7/24/2014	7/25/2014	97.8	Surface	5.0	10.4	4.1	120.0	303.7
HA005	CROOKS, JAMES	02	2014	13.6	Tall Fescue Hay (3 T/ac)	7/24/2014	7/24/2014	75.9	Surface	3.5	8.1	3.2	43.2	109.5
HA006	CAMPBELL, RAY	02	2014	6.1	Tall Fescue Hay (3 T/ac)	7/30/2014	7/30/2014	80.8	Surface	4.1	8.6	3.4	20.7	52.3
HA006	CAMPBELL, RAY	03	2014	12.1	Tall Fescue Hay (3 T/ac)	7/30/2014	7/30/2014	87.4	Surface	4.1	9.3	3.7	44.3	112.2
HA006	CAMPBELL, RAY	04	2014	8.7	Tall Fescue Hay (3 T/ac)	7/30/2014	7/30/2014	70.1	Surface	3.4	7.4	2.9	25.5	64.6
HA006	CAMPBELL, RAY	05	2014	24	Tall Fescue Hay (3 T/ac)	7/31/2014	7/31/2014	57.9	Surface	3.5	6.1	2.4	58.2	147.4
HA006	CAMPBELL, RAY	06	2014	27.8	Tall Fescue Hay (3 T/ac)	7/30/2014	7/31/2014	71.6	Surface	3.4	7.6	3.0	83.3	211.0
HA007	BEST, JAMES	01	2014	12.5	Tall Fescue Hay (3 T/ac)	7/16/2014	7/16/2014	86.9	Surface	4.5	9.2	3.7	45.9	115.3
HA007	BEST, JAMES	02	2014	14.5	Tall Fescue Hay (3 T/ac)	7/16/2014	7/16/2014	89.7	Surface	4.5	9.5	3.8	55.0	138.1
HA007	BEST, JAMES	03	2014	22	Tall Fescue Hay (3 T/ac)	7/16/2014	7/16/2014	98.8	Surface	4.6	10.5	4.2	91.9	230.8
HA007	BEST, JAMES	04	2014	33.4	Tall Fescue Hay (3 T/ac)	7/15/2014	7/15/2014	94.9	Surface	4.6	10.1	4.0	133.9	336.5
HA012	Anita Tinker	01	2014	31	Tall Fescue Hay (3 T/ac)	7/25/2014	7/28/2014	54.3	Surface	3.5	5.8	2.3	70.5	178.6
HA013	SPLAN, CHARLES	01	2014	12.7	Tall Fescue Hay (3 T/ac)	7/24/2014	7/25/2014	71.6	Surface	3.6	7.6	3.0	38.1	96.5
HA018	SHELLY, JOHNNY	02	2015	38.9	Tall Fescue Hay (3 T/ac)	10/3/2014	10/3/2014	65.1	Surface	3.2	7.9	2.7	104.5	308.9
HA018	SHELLY, JOHNNY	03	2014	26.8	Tall Fescue Hay (3 T/ac)	8/27/2014	8/27/2014	95.1	Surface	4.6	10.1	4.0	106.1	270.5
HA026	Jim Frost	01	2014	42.4	Tall Fescue Hay (3 T/ac)	7/17/2014	7/17/2014	90.5	Surface	4.4	9.6	3.8	162.2	407.4
HA026	Jim Frost	02	2014	26	Tall Fescue Hay (3 T/ac)	7/18/2014	7/18/2014	92.2	Surface	4.4	9.8	3.9	101.3	254.5
HA031	JiMENEZ, DAVID	01	2014	22.2	Tall Fescue Hay (3 T/ac)	7/29/2014	7/29/2014	63.1	Surface	3.1	6.7	2.6	58.7	148.6
HA031	JiMENEZ, DAVID	02	2014	8.5	Tall Fescue Hay (3 T/ac)	7/29/2014	7/29/2014	56.0	Surface	3.1	5.9	2.3	20.0	50.5
HA031	JiMENEZ, DAVID	03	2014	12.9	Tall Fescue Hay (3 T/ac)	7/29/2014	7/29/2014	61.2	Surface	3.0	6.5	2.6	33.1	83.7
HA032	SMITH, ADDIE	01	2014	19.8	Tall Fescue Hay (3 T/ac)	7/28/2014	7/28/2014	65.1	Surface	3.6	6.9	2.7	54.0	136.7
HA037	BETTIS, JAMES	01	2014	23	Tall Fescue Hay (3 T/ac)	7/23/2014	7/23/2014	94.5	Surface	4.5	10.0	4.0	91.8	230.8
HA037	BETTIS, JAMES	02	2014	20.3	Tall Fescue Hay (3 T/ac)	7/23/2014	7/23/2014	18.2	Surface	4.9	1.9	0.8	15.6	39.2
HA044	NORMAN, DENNIS	01	2014	13.8	Tall Fescue Hay (3 T/ac)	7/18/2014	7/18/2014	61.6	Surface	3.2	6.5	2.6	36.0	90.3
HA044	NORMAN, DENNIS	02	2014	8.3	Tall Fescue Hay (3 T/ac)	7/22/2014	7/22/2014	66.3	Surface	3.2	7.0	2.8	23.3	58.4
HA044	NORMAN, DENNIS	03	2014	10.6	Tall Fescue Hay (3 T/ac)	7/22/2014	7/22/2014	58.9	Surface	3.1	6.3	2.5	26.4	66.3
HA044	NORMAN, DENNIS	04	2014	5.8	Tall Fescue Hay (3 T/ac)	7/22/2014	7/22/2014	63.2	Surface	3.2	6.7	2.7	15.5	38.9
HA044	NORMAN, DENNIS	05	2014	10.5	Tall Fescue Hay (3 T/ac)	7/18/2014	7/18/2014	77.6	Surface	3.4	8.2	3.3	34.5	86.6
HA046	HUGHES, ARLENE	01	2014	14.9	Tall Fescue Hay (3 T/ac)	8/5/2014	8/5/2014	102.4	Surface	4.9	12.4	4.2	62.7	184.7
HA046	HUGHES, ARLENE	02	2014	30.5	Tall Fescue Hay (3 T/ac)	8/4/2014	8/5/2014	101.0	Surface	4.9	12.2	4.1	126.5	372.8
HA046	HUGHES, ARLENE	03	2014	28.3	Tall Fescue Hay (3 T/ac)	8/6/2014	8/6/2014	100.3	Surface	4.9	12.1	4.1	116.6	343.5
HA046	HUGHES, ARLENE	04	2014	17.1	Tall Fescue Hay (3 T/ac)	8/4/2014	8/4/2014	100.7	Surface	4.9	12.2	4.1	70.8	208.6
HA046	HUGHES, ARLENE	05	2014	25.4	Tall Fescue Hay (3 T/ac)	8/6/2014	8/6/2014	94.5	Surface	4.9	11.4	3.9	98.6	290.7
HA046	HUGHES, ARLENE	06	2014	24.7	Tall Fescue Hay (3 T/ac)	8/7/2014	8/7/2014	101.3	Surface	4.9	12.3	4.2	102.8	302.8
HA046	HUGHES, ARLENE	07	2014	66.4	Tall Fescue Hay (3 T/ac)	8/22/2014	8/26/2014	90.1	Surface	4.9	10.9	3.7	245.7	724.0

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HA047	FLP SMITH, BETTIE	01	2014	42.4	Tall Fescue Hay (3 T/ac)	8/8/2014	8/8/2014	103.6	Surface	4.9	12.5	4.3	180.4	531.7
HA047	FLP SMITH, BETTIE	02	2014	33	Tall Fescue Hay (3 T/ac)	8/11/2014	8/11/2014	100.9	Surface	4.9	12.2	4.1	136.7	402.9
HA047	FLP SMITH, BETTIE	03	2014	43	Tall Fescue Hay (3 T/ac)	8/12/2014	8/14/2014	101.5	Surface	4.9	12.3	4.2	179.4	528.6
HA047	FLP SMITH, BETTIE	05	2014	20.5	Tall Fescue Hay (3 T/ac)	8/15/2014	8/15/2014	100.7	Surface	5.0	12.1	4.2	85.4	248.9
HA047	FLP SMITH, BETTIE	06	2014	23.2	Tall Fescue Hay (3 T/ac)	8/18/2014	8/18/2014	53.8	Surface	5.0	6.5	2.2	51.6	150.6
HA047	FLP SMITH, BETTIE	07	2014	14.9	Tall Fescue Hay (3 T/ac)	8/20/2014	8/20/2014	88.3	Surface	5.0	10.7	3.6	54.3	158.8
MR011	FULTS, JOHNNY	01	2014	97.5	Tall Fescue Hay (3 T/ac)	8/15/2014	8/22/2014	59.0	Surface	2.9	6.4	2.5	240.0	620.7
MR011	FULTS, JOHNNY	02	2014	47	Tall Fescue Hay (3 T/ac)	8/14/2014	8/15/2014	60.3	Surface	2.9	6.4	2.5	118.3	300.8
MR011	FULTS, JOHNNY	11	2014	29.5	Tall Fescue Hay (3 T/ac)	7/9/2014	7/9/2014	57.8	Surface	2.8	6.1	2.4	72.0	181.0
MR011	FULTS, JOHNNY	12	2014	54.1	Tall Fescue Hay (3 T/ac)	7/10/2014	7/10/2014	57.2	Surface	2.9	6.1	2.4	130.8	328.6
MR011	FULTS, JOHNNY	14	2014	19.4	Tall Fescue Hay (3 T/ac)	7/11/2014	7/11/2014	72.3	Surface	3.3	7.7	3.1	59.3	148.9
MR011	FULTS, JOHNNY	15	2014	27.4	Tall Fescue Hay (3 T/ac)	7/15/2014	7/15/2014	70.5	Surface	3.4	7.5	3.0	81.6	205.0
MR011	FULTS, JOHNNY	16	2014	156	Tall Fescue Hay (3 T/ac)	8/15/2014	8/23/2014	45.3	Surface	5.0	4.8	1.9	294.8	750.3
MR029	GWYNN, PHILIP	01	2014	77.5	Corn Grain (< 125 bu/ac)	10/14/2013	5/9/2014	25.4	Surface	5.1	3.2	1.1	87.7	245.6
MS006	JoHNSON, R. DALLAS	01	2014	11.5	Tall Fescue Hay (3 T/ac)	7/12/2014	7/12/2014	91.8	Surface	4.5	9.7	3.9	44.6	112.1
MS006	JoHNSON, R. DALLAS	02	2014	20.3	Tall Fescue Hay (3 T/ac)	7/11/2014	7/11/2014	88.3	Surface	4.4	9.4	3.7	75.8	190.4
MS006	JoHNSON, R. DALLAS	03	2014	7.7	Tall Fescue Hay (3 T/ac)	7/9/2014	7/9/2014	70.8	Surface	4.4	7.5	3.0	23.1	57.9
MS006	JoHNSON, R. DALLAS	05	2014	40.2	Tall Fescue Hay (3 T/ac)	7/10/2014	7/10/2014	89.3	Surface	4.4	9.5	3.8	151.8	381.3
MS006	JoHNSON, R. DALLAS	06	2014	13	Tall Fescue Hay (3 T/ac)	7/9/2014	7/9/2014	95.7	Surface	4.6	10.2	4.0	52.6	132.2
MS006	JoHNSON, R. DALLAS	07	2014	11.6	Tall Fescue Hay (3 T/ac)	7/8/2014	7/8/2014	74.2	Surface	4.4	7.9	3.1	36.4	91.4
RH007	Massengale, Don	01	2015	7.6	Tall Fescue Hay (3 T/ac)	12/17/2014	12/17/2014	63.5	Surface	2.8	6.9	2.7	20.3	52.2
RH007	Massengale, Don	02	2015	5.9	Tall Fescue Hay (3 T/ac)	12/17/2014	12/17/2014	67.9	Surface	3.3	7.3	2.9	16.9	43.4
RH007	Massengale, Don	03	2015	13.1	Tall Fescue Hay (3 T/ac)	12/17/2014	12/17/2014	69.7	Surface	3.2	7.5	2.9	38.4	98.8
RH007	Massengale, Don	04	2015	12.8	Tall Fescue Hay (3 T/ac)	12/17/2014	12/17/2014	44.2	Surface	2.6	4.8	1.9	23.8	61.3
RH019	HARRISON, ALVIN	1	2014	54.1	Tall Fescue Hay (pre GP)	1/27/2014	1/28/2014	93.2	Surface	7.4	11.7	4.2	226.3	631.4
RH020	HARRISON, ALVIN	1	2014	21.6	Tall Fescue Hay (pre GP)	1/21/2014	1/21/2014	141.2	Surface	7.6	17.9	6.5	140.6	387.7
RH020	HARRISON, ALVIN	2	2014	33.1	Tall Fescue Hay (pre GP)	11/25/2013	1/20/2014	141.8	Surface	7.5	17.9	6.5	213.8	593.9
RH020	HARRISON, ALVIN	3	2014	19.9	Tall Fescue Hay (pre GP)	1/22/2014	1/22/2014	141.6	Surface	7.6	18.0	6.5	129.9	358.3
RH020	HARRISON, ALVIN	4	2014	42.1	Tall Fescue Hay (pre GP)	1/24/2014	1/27/2014	131.3	Surface	7.4	16.5	5.9	249.6	694.7
RH022	HOUSLEY, JAMES	1	2014	9.3	Tall Fescue Hay (pre GP)	1/31/2014	1/31/2014	139.6	Surface	7.4	17.5	6.3	58.3	162.5
RH022	HOUSLEY, JAMES	2	2014	6.2	Tall Fescue Hay (pre GP)	1/30/2014	1/30/2014	149.6	Surface	7.4	18.7	6.7	41.6	116.1
RH022	HOUSLEY, JAMES	4	2014	13	Tall Fescue Pasture (pre GP)	1/29/2014	1/29/2014	75.1	Surface	5.4	9.4	3.4	43.8	122.3
RH022	HOUSLEY, JAMES	5	2014	8.2	Tall Fescue Hay (pre GP)	1/29/2014	1/29/2014	146.1	Surface	7.4	18.3	6.6	53.8	150.0
RH023	ROBERTS, CHARLES	1	2015	14.8	Tall Fescue Hay (3 T/ac)	12/13/2014	12/13/2014	62.7	Surface	3.1	6.8	2.6	39.1	100.4
RH023	ROBERTS, CHARLES	2	2015	33	Corn Silage (19 -25 T/ac)	11/20/2014	11/21/2014	129.4	Surface	6.3	13.9	5.4	178.9	458.6
RH023	ROBERTS, CHARLES	3	2015	26.6	Tall Fescue Hay (3 T/ac)	12/13/2014	12/13/2014	60.6	Surface	3.2	6.6	2.6	67.9	174.5
RH023	ROBERTS, CHARLES	4	2015	43	Corn Silage (19 -25 T/ac)	11/19/2014	11/19/2014	74.5	Surface	4.3	8.1	3.1	134.8	346.7
RH023	ROBERTS, CHARLES	5	2015	26	Corn Silage (19 -25 T/ac)	11/25/2014	12/13/2014	124.1	Surface	6.3	13.4	5.2	135.8	349.2
RH023	ROBERTS, CHARLES	6	2015	22.7	Tall Fescue Hay (3 T/ac)	12/13/2014	12/13/2014	61.6	Surface	3.2	6.7	2.6	58.9	151.4
RH025	BEST, TOM & ALLISON, TIM	10	2015	15.5	Tall Fescue Hay (3 T/ac)	12/13/2014	12/15/2014	110.4	Surface	5.0	11.9	4.6	72.0	185.2
RH025	BEST, TOM & ALLISON, TIM	11	2015	14.7	Corn Grain (126 - 150 bu/ac)	12/15/2014	12/15/2014	138.3	Surface	6.3	15.0	5.8	85.5	220.0
RH025	BEST, TOM & ALLISON, TIM	12	2015	15.1	Corn Silage (19 -25 T/ac)	12/13/2014	12/13/2014	131.3	Surface	6.3	14.2	5.5	83.4	214.5

Chattanooga MBWWTP 2014 Biosolids Annual Report
Farm-Level Summary

Farm Code	Farm Name	Field	Crop Year	Acres	Crop	First Date	Last Date	PAN applied (lbs/Ac)	Method	Calc. Appl. Rate DT/A	Spread WT/Ac	Spread DT/A	Spread DT	Spread WT
RH025	BEST, TOM & ALLISON, TIM	13	2015	6.7	Tall Fescue Hay (3 T/ac)	12/15/2014	12/15/2014	115.2	Surface	5.0	12.5	4.8	32.5	83.5
RH025	BEST, TOM & ALLISON, TIM	14	2015	2.6	Tall Fescue Hay (3 T/ac)	12/15/2014	12/15/2014	111.2	Surface	5.0	12.0	4.7	12.2	31.3
RH025	BEST, TOM & ALLISON, TIM	15	2015	25.9	Tall Fescue Hay (3 T/ac)	12/12/2014	12/12/2014	111.1	Surface	5.0	12.0	4.7	121.1	311.4
RH025	BEST, TOM & ALLISON, TIM	2	2015	10.7	Corn Silage (19 -25 T/ac)	12/19/2014	12/19/2014	134.8	Surface	6.3	14.6	5.7	60.7	156.1
RH025	BEST, TOM & ALLISON, TIM	3	2015	23	Corn Silage (19 -25 T/ac)	12/19/2014	12/19/2014	125.4	Surface	6.3	13.6	5.3	121.3	311.9
RH025	BEST, TOM & ALLISON, TIM	4	2015	16	Tall Fescue Hay (3 T/ac)	12/19/2014	12/19/2014	109.8	Surface	5.0	11.9	4.6	73.9	190.1
RH025	BEST, TOM & ALLISON, TIM	5	2015	15.5	Tall Fescue Hay (3 T/ac)	12/18/2014	12/18/2014	110.0	Surface	5.0	11.9	4.6	71.7	184.5
RH025	BEST, TOM & ALLISON, TIM	6	2015	16.2	Tall Fescue Hay (3 T/ac)	12/18/2014	12/18/2014	106.6	Surface	5.0	11.5	4.5	72.7	186.9
RH025	BEST, TOM & ALLISON, TIM	9	2015	4.8	Corn Grain (126 - 150 bu/ac)	12/13/2014	12/15/2014	147.6	Surface	6.3	16.0	6.2	29.8	76.6
SE013	Mary Grace Kelly	01	2015	39.5	Tall Fescue Hay (3 T/ac)	12/9/2014	12/10/2014	105.6	Surface	5.0	11.3	4.4	174.0	445.1
SE013	Mary Grace Kelly	02	2015	42.5	Tall Fescue Hay (3 T/ac)	12/10/2014	12/11/2014	102.0	Surface	5.0	10.9	4.3	180.8	462.4

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL008
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	56.8	Tall Fescue Hay (3 T/ac)			1			120.0	1614.88	23.93	S	5.1	4.3	10.76		243.2	611.0		6-2014	6-2014	
02	76.9	Tall Fescue Hay (3 T/ac)			1			120.0	1434.07	21.33	S	5.0	3.8	9.52		289.2	732.3		6-2014	6-2014	
03	17	Tall Fescue Hay (3 T/ac)			1			120.0	1704.31	25.26	S	5.1	4.5	11.35		76.8	193.0		6-2014	6-2014	
04	78.7	Tall Fescue Hay (3 T/ac)			1			120.0	1400.48	20.76	S	5.1	3.7	9.33		292.2	734.2		6-2014	6-2014	
05	79.5	Tall Fescue Hay (3 T/ac)			1			120.0	1560.71	23.13	S	5.1	4.1	10.40		329.0	826.5		6-2014	6-2014	
CropYear: 2015																					
01																					
02																					
03																					
04																					
05																					

Agronomic Loading Rate Summary Worksheet

MATERIAL MANAGER for biosolids

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL020
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	23	Tall Fescue Hay (3 T/ac)			1			120.0	1699.13	25.06	S	4.9	4.5	11.34		104.4	260.8		5-2014	5-2014	
02	10.9	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.0	0.0	0.00		0.0	0.0		5-2014	5-2014	
03	14.3	Tall Fescue Hay (3 T/ac)			1			120.0	1613.67	23.80	S	4.8	4.3	10.77		61.6	154.0		5-2014	5-2014	
04	22.7	Tall Fescue Hay (3 T/ac)			1			120.0	1457.15	21.49	S	4.6	3.9	9.72		88.4	220.8		5-2014	5-2014	
05	44.8	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	4.7	0.0	0.00		0.0	0.0		5-2014	5-2014	
06	40.3	Tall Fescue Hay (3 T/ac)			1			120.0	1168.80	17.24	S	4.7	3.1	7.80		125.8	314.4		5-2014	5-2014	
07	6.6	Tall Fescue Hay (3 T/ac)			1			120.0	1525.65	22.50	S	4.8	4.1	10.18		26.9	67.2		5-2014	5-2014	
CropYear: 2015																					
01																					
02																					
03																					
04																					
05																					
06																					
07																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL025
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	48.9	Tall Fescue Hay (3 T/ac)			1			120.0	1041.52	20.19	S	3.4	2.9	8.35		141.2	408.1		5-2014	5-2014	
02																					
CropYear: 2015																					
01																					
02																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL025
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01																					
02	50.6	Tall Fescue Hay (3 T/ac)			1			120.0	1093.30	16.18	S	3.6	2.9	7.29		147.0	368.7		5-2014	5-2014	
CropYear: 2015																					
01																					
02																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL026
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	27.5	Tall Fescue Hay (3 T/ac)			1			120.0	1578.18	23.28	S	4.7	4.2	10.53		115.9	289.6		6-2014	6-2014	
02	18.7	Tall Fescue Hay (3 T/ac)			1			120.0	1416.20	20.89	S	4.5	3.8	9.45		70.7	176.7		6-2014	6-2014	
03																					
04																					
05	8.4	Tall Fescue Hay (3 T/ac)			1			120.0	1505.72	22.21	S	4.6	4.0	10.05		33.8	84.4		6-2014	6-2014	
CropYear: 2015																					
01																					
02																					
03																					
04																					
05																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL028
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	21.3	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2160.53	41.35	S	6.9	6.2	17.48		132.3	372.3		2-2014	2-2014	
02	28.9	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2052.07	36.98	S	6.6	5.9	16.47		170.7	476.1		2-2014	2-2014	
03	40.3	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2013.44	37.65	S	6.7	5.8	16.24		233.4	654.4		2-2014	2-2014	
04	4.7	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2099.91	37.84	S	6.7	6.0	16.86		28.4	79.2		2-2014	2-2014	
05	24.2	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2026.51	36.52	S	6.9	5.8	16.27		141.1	393.7		2-2014	2-2014	
06	29.8	Tall Fescue Hay (pre GP)			1			165.0	1789.82	34.25	S	5.7	5.1	14.48		153.3	431.4		2-2014	2-2014	
07	14.1	Tall Fescue Hay (pre GP)			1			165.0	1483.16	26.73	S	5.3	4.3	11.91		60.2	167.9		2-2014	2-2014	
08	14.2	Tall Fescue Hay (pre GP)			1			165.0	369.65	7.07	S	5.9	1.1	2.99		15.1	42.5		2-2014	2-2014	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL028
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2015																					
01																					
02																					
03																					
04																					
05																					
06																					
07																					
08																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL032
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	10.2	Tall Fescue Hay (3 T/ac)			1			120.0	1792.07	26.43	S	5.1	4.8	11.96		48.8	122.0		6-2014	6-2014	
CropYear: 2015																					
01																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL038
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	60.5	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2092.83	40.63	S	6.9	5.9	16.83		359.6	1018.3		3-2014	3-2014	
02	45.5	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2070.53	40.20	S	6.9	5.9	16.65		267.6	757.7		3-2014	3-2014	
03	47.7	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2539.44	49.30	S	7.8	7.2	20.42		344.0	974.2		4-2014	4-2014	
04	16.5	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2177.32	42.27	S	7.2	6.2	17.51		102.0	288.9		4-2014	4-2014	
05	52	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2237.03	43.43	S	7.2	6.4	17.99		330.4	935.5		4-2014	4-2014	
06	14.2	Corn Grain 176 - 200 bu (pre GP)		1				210.0	1801.54	34.98	S	6.6	5.1	14.49		72.7	205.7		4-2014	4-2014	
07	36.2	Corn Grain 176 - 200 bu (pre GP)		1				210.0	1478.32	28.56	S	6.4	4.2	11.86		150.7	429.2		4-2014	4-2014	
08	80.3	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2042.50	39.32	S	7.4	5.8	16.48		469.2	1323.6		4-2014	4-2014	
09																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL038
Calendar Year: 2014
Source: Chattanooga

CropYear: 2015

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
01																					
02																					
03																					
04																					
05																					
06																					
07																					
08																					
09																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL039
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	37.5	Tall Fescue Hay (pre GP)			1			165.0	1592.65	28.70	S	5.4	4.6	12.79		171.9	479.4		1-2014	1-2014	
02	15.7	Tall Fescue Hay (pre GP)			1			165.0	1193.88	21.51	S	5.9	3.4	9.58		53.9	150.5		1-2014	1-2014	
03	36.9	Tall Fescue Hay (pre GP)			1			165.0	1137.83	20.50	S	5.9	3.3	9.13		120.8	337.0		1-2014	1-2014	
04	36.4	Tall Fescue Hay (pre GP)			1			165.0	1604.23	28.91	S	5.4	4.6	12.88		168.1	468.8		1-2014	1-2014	
05	17.7	Tall Fescue Hay (pre GP)			1			165.0	1223.80	22.05	S	6.1	3.5	9.82		62.3	173.9		1-2014	1-2014	
06	23.4	Tall Fescue Hay (pre GP)			1			165.0	1072.73	19.33	S	5.9	3.1	8.61		72.2	201.5		1-2014	1-2014	
07	9.5	Tall Fescue Hay (pre GP)			1			165.0	0.00	0.00	S	5.0	0.0	0.00		0.0	0.0		1-2014	1-2014	
08	15.7	Tall Fescue Hay (pre GP)			1			165.0	1662.80	29.96	S	5.4	4.8	13.35		75.1	209.6		1-2014	1-2014	
CropYear: 2015																					
01																					
02																					
03																					
04																					
05																					
06																					
07																					
08																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL039

Calendar Year: 2014

Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL040
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear:	2014																				
01	1.4	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	3.6	0.0	0.00		0.0	0.0		3-2014	3-2014	
02	1.8	Tall Fescue Pasture (pre GP)			1			120.0	1126.66	21.87	S	3.8	3.2	9.06		5.8	16.3		3-2014	3-2014	
03	8.8	Tall Fescue Pasture (pre GP)			1			120.0	1254.85	24.36	S	4.0	3.6	10.09		31.4	88.8		3-2014	3-2014	
04																					
05	9	Tall Fescue Pasture (pre GP)			1			120.0	918.74	17.84	S	3.7	2.6	7.39		23.5	66.5		3-2014	3-2014	
06	22	Corn Grain 176 - 200 bu (pre GP)		1				210.0	1980.63	38.45	S	6.5	5.6	15.93		123.8	350.4		3-2014	3-2014	
07	29.3	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2001.10	38.44	S	6.7	5.7	16.16		168.0	473.5		3-2014	3-2014	
CropYear:	2015																				
01																					
02																					
03																					
04																					
05																					
06																					
07																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL040

Calendar Year: 2014

Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL044
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear:	2014																				
1	23	Tall Fescue Hay (pre GP)			1			165.0	1545.17	30.00	S	5.1	4.4	12.43		100.9	285.8		4-2014	4-2014	
2	24.2	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2022.23	38.70	S	6.6	5.8	16.36		140.7	395.9		4-2014	4-2014	
3	30	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2022.45	38.71	S	6.8	5.8	16.36		174.4	490.8		4-2014	4-2014	
4	6.9	Corn Grain (126 - 150 bu/ac)		1				150.0	0.00	0.00	S	6.3	0.0	0.00		0.0	0.0		4-2014	4-2014	
CropYear:	2015																				
1																					
2																					
3																					
4																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL046
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
1	21.9	Tall Fescue Hay (3 T/ac)			1			120.0	1677.53	24.86	S	5.1	4.4	11.17		97.4	244.7		MAY 2014	MAY 2014	
2	33.9	Tall Fescue Hay (3 T/ac)			1			120.0	1655.22	24.53	S	5.1	4.4	11.03		148.8	373.8		MAY 2014	MAY 2014	
3	7.3	Tall Fescue Hay (3 T/ac)			1			120.0	1691.31	25.07	S	5.1	4.5	11.27		32.7	82.2		MAY 2014	MAY 2014	
4	22.3	Tall Fescue Hay (3 T/ac)			1			120.0	1649.26	24.44	S	5.1	4.4	10.99		97.5	245.0		MAY 2014	MAY 2014	
5	15.6	Tall Fescue Hay (3 T/ac)			1			120.0	1303.52	19.32	S	5.1	3.5	8.68		53.9	135.5		MAY 2014	MAY 2014	
6	7.7	Tall Fescue Hay (3 T/ac)			1			120.0	1335.56	19.79	S	5.1	3.5	8.90		27.3	68.5		MAY 2014	MAY 2014	
CropYear: 2015																					
1																					
2																					
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Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL047
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
1	71.3	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2245.84	42.76	S	7.7	6.4	18.05		456.4	1287.2		3-2014	3-2014	
2	40.1	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2135.03	41.45	S	7.1	6.1	17.17		243.2	688.5		3-2014	3-2014	
CropYear: 2015																					
1																					
2																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL048
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
1	9	Tall Fescue Hay (3 T/ac)			1			120.0	1368.24	26.52	S	5.0	3.8	10.96		34.1	98.7		5-2014	5-2014	
2	14.9	Tall Fescue Hay (3 T/ac)			1			120.0	1282.30	24.70	S	5.1	3.6	10.26		53.3	152.9		5-2014	5-2014	
3	26	Tall Fescue Hay (3 T/ac)			1			120.0	1579.31	30.36	S	5.1	4.4	12.63		114.7	328.4		5-2014	5-2014	
4	19.6	Tall Fescue Hay (3 T/ac)			1			120.0	1506.71	28.99	S	5.1	4.2	12.05		82.4	236.2		5-2014	5-2014	
5	13.2	Tall Fescue Hay (3 T/ac)			1			120.0	1683.15	32.52	S	5.0	4.7	13.48		61.8	177.9		5-2014	5-2014	
6	25.6	Tall Fescue Hay (3 T/ac)			1			120.0	1773.84	34.38	S	5.0	4.9	14.21		125.9	363.9		5-2014	5-2014	
CropYear: 2015																					
1																					
2																					
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4																					
5																					
6																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL050
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
1	8.4	Tall Fescue Hay (pre GP)			1			165.0	1486.00	28.44	S	5.2	4.3	12.02		35.9	101.0		4-2014	4-2014	
2	18.3	Tall Fescue Hay (pre GP)			1			165.0	1664.20	31.85	S	5.2	4.8	13.46		87.6	246.4		4-2014	4-2014	
3																					
4	22.7	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2074.88	39.71	S	6.6	6.0	16.78		135.4	381.0		3-2014	3-2014	
5	38.8	Corn Grain 176 - 200 bu (pre GP)		1				210.0	2071.86	39.65	S	6.6	6.0	16.76		231.1	650.3		3-2014	3-2014	
6																					
CropYear: 2015																					
1																					
2																					
3																					
4																					
5																					
6																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL051
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
1	23.4	Tall Fescue Hay (3 T/ac)			1			120.0	1591.16	30.59	S	5.1	4.4	12.72		104.0	297.8		5-2014	5-2014	
2	6.3	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.1	0.0	0.00		0.0	0.0		5-2014	5-2014	
3	7.4	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.1	0.0	0.00		0.0	0.0		5-2014	5-2014	
4	38.9	Tall Fescue Hay (3 T/ac)			1			120.0	1382.63	26.80	S	5.0	3.8	11.08		149.1	431.0		5-2014	5-2014	
5	10.7	Tall Fescue Hay (3 T/ac)			1			120.0	1697.85	32.70	S	5.1	4.7	13.58		50.6	145.3		5-2014	5-2014	
CropYear: 2015																					
1																					
2																					
3																					
4																					
5																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL052
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
1	18.2	Tall Fescue Hay (3 T/ac)			1			120.0	1586.73	30.71	S	5.0	4.4	12.71		80.1	231.3		5-2014	5-2014	
2	7	Tall Fescue Hay (3 T/ac)			1			120.0	1502.43	29.12	S	5.0	4.2	12.04		29.1	84.3		5-2014	5-2014	
3	24.3	Tall Fescue Hay (3 T/ac)			1			120.0	1703.20	32.98	S	5.0	4.7	13.64		114.8	331.5		5-2014	5-2014	
4	29.6	Tall Fescue Hay (3 T/ac)			1			120.0	1646.91	31.73	S	5.1	4.6	13.18		135.9	390.1		5-2014	5-2014	
5	7.3	Tall Fescue Hay (3 T/ac)			1			120.0	1515.27	29.13	S	5.1	4.2	12.12		30.9	88.5		5-2014	5-2014	
6	22.5	Tall Fescue Hay (3 T/ac)			1			120.0	1607.52	30.90	S	5.1	4.5	12.86		101.0	289.3		5-2014	5-2014	
7	18.3	Tall Fescue Hay (3 T/ac)			1			120.0	1065.04	20.65	S	5.0	3.0	8.53		54.0	156.2		5-2014	5-2014	
8	31	Tall Fescue Hay (3 T/ac)			1			120.0	1627.47	31.42	S	5.1	4.5	13.03		140.4	403.9		5-2014	5-2014	
CropYear: 2015																					
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Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL052

Calendar Year: 2014

Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL053
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
1	19.3	Tall Fescue Hay (pre GP)			1			165.0	1655.11	31.84	S	7.0	4.6	13.24		89.3	255.6		DEC 2013	DEC 2013	
10	26.7	Tall Fescue Hay (pre GP)			1			165.0	2227.98	43.26	S	7.1	6.3	17.92		168.9	478.4		JAN 2014	JAN 2014	
11	45.7	Tall Fescue Pasture (pre GP)			1			120.0	1580.96	30.26	S	5.2	4.5	12.79		207.7	584.4		JAN 2014	JAN 2014	
12	29.9	Tall Fescue Pasture (pre GP)			1			120.0	1608.77	30.79	S	5.2	4.6	13.01		138.3	389.1		JAN 2014	JAN 2014	
13	58.9	Tall Fescue Pasture (pre GP)			1			120.0	1594.78	28.74	S	5.4	4.6	12.80		270.3	754.1		JAN 2014	JAN 2014	
14	55.7	Tall Fescue Hay (pre GP)			1			165.0	2172.40	39.15	S	7.4	6.3	17.44		348.2	971.4		JAN 2014	JAN 2014	
15	40	Tall Fescue Hay (pre GP)			1			165.0	2193.59	39.53	S	7.4	6.3	17.61		252.5	704.4		JAN 2014	JAN 2014	
16	31.1	Tall Fescue Hay (pre GP)			1			165.0	2164.37	39.00	S	7.4	6.2	17.37		193.7	540.4		JAN 2014	JAN 2014	
17	69.4	Tall Fescue Hay (pre GP)			1			165.0	1607.71	30.29	S	7.2	4.6	12.97		320.7	900.3		JAN 2014	JAN 2014	
18	32.8	Tall Fescue Hay (pre GP)			1			165.0	1601.87	30.79	S	7.0	4.5	12.81		146.7	420.2		JAN 2014	JAN 2014	
19	30.8	Tall Fescue Hay (pre GP)			1			165.0	1642.87	31.58	S	7.0	4.6	13.14		141.3	404.7		JAN 2014	JAN 2014	
2	28.5	Tall Fescue Pasture (pre GP)			1			120.0	1624.90	29.28	S	5.4	4.7	13.04		133.3	371.8		DEC 2013	DEC 2013	
20	91.3	Tall Fescue Hay (pre GP)			1			165.0	1538.38	29.57	S	7.0	4.3	12.30		392.2	1123.2		JAN 2014	JAN 2014	
3	19.8	Tall Fescue Hay (pre GP)			1			165.0	1555.17	30.15	S	6.9	4.3	12.46		85.3	246.7		DEC 2013	DEC 2013	
4	30.4	Tall Fescue Hay (pre GP)			1			165.0	1433.63	26.18	S	7.4	4.1	11.53		125.4	350.4		DEC 2013	DEC 2013	
5	40.8	Tall Fescue Hay (pre GP)			1			165.0	2227.21	41.81	S	7.3	6.4	17.97		261.3	733.2		DEC 2013	DEC 2013	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL053
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
6	18.5	Tall Fescue Hay (pre GP)			1			165.0	1543.90	29.55	S	7.2	4.4	12.49		82.1	231.0		DEC 2013	DEC 2013	
7	13.7	Tall Fescue Hay (pre GP)			1			165.0	1622.42	31.50	S	7.1	4.6	13.05		63.1	178.8		DEC 2013	DEC 2013	
8	23.8	Tall Fescue Hay (pre GP)			1			165.0	1577.93	30.20	S	7.2	4.5	12.76		108.0	303.8		DEC 2013	DEC 2013	
9	28.1	Tall Fescue Hay (pre GP)			1			165.0	1555.47	29.77	S	7.2	4.5	12.58		125.7	353.6		DEC 2013	DEC 2013	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL053
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2015																					
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Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: BL053
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
8																					
9																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: GY002
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01																					
02																					
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Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: GY002
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2015																					
01	34.4	Tall Fescue Hay (3 T/ac)			1			120.0	1739.01	32.91	S	4.9	4.6	13.66		159.4	469.9		8-2014	8-2014	
02	15.9	Tall Fescue Hay (3 T/ac)			1			120.0	1703.38	32.20	S	4.9	4.5	13.37		72.2	212.6		8-2014	8-2014	
03	47	Tall Fescue Hay (3 T/ac)			1			120.0	1740.29	33.14	S	4.9	4.6	13.71		218.3	644.6		8-2014	8-2014	
04	24.7	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.1	0.0	0.00		0.0	0.0		8-2014	8-2014	
05	13.8	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.1	0.0	0.00		0.0	0.0		8-2014	8-2014	
06	21	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.1	0.0	0.00		0.0	0.0		8-2014	8-2014	
07	22.3	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.1	0.0	0.00		0.0	0.0		8-2014	8-2014	
08	37.2	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.1	0.0	0.00		0.0	0.0		8-2014	8-2014	
09	145	Tall Fescue Hay (3 T/ac)			1			120.0	109.74	2.13	S	4.9	0.3	0.87		42.6	126.2		8-2014	8-2014	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: GY002
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01																					
02																					
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04																					
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Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: GY002
Calendar Year: 2014
Source: Mixed

CropYear: 2015

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
01																					
02																					
03																					
04																					
05																					
06																					
07																					
08																					
09	145	Tall Fescue Hay (3 T/ac)			1			120.0	1740.69	25.74	S	5.0	4.5	11.46		649.5	1661.1		8-2014	8-2014	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: GY004
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01																					
02																					
03																					
04																					
CropYear: 2015																					
01	25.2	Tall Fescue Hay (3 T/ac)			1			120.0	1728.86	24.97	S	5.0	4.4	11.29		111.6	284.4		10-2014	10-2014	
02	89.1	Tall Fescue Hay (3 T/ac)			1			120.0	1684.35	24.32	S	5.0	4.3	11.00		384.4	979.7		10-2014	10-2014	
03	48.3	Tall Fescue Hay (3 T/ac)			1			120.0	1743.29	25.17	S	5.0	4.5	11.38		215.7	549.7		10-2014	10-2014	
04	42.6	Tall Fescue Hay (3 T/ac)			1			120.0	1742.25	25.16	S	5.0	4.5	11.37		190.1	484.5		10-2014	10-2014	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: GY006
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01																					
02																					
03																					
CropYear: 2015																					
01	10.8	Tall Fescue Hay (3 T/ac)			1			120.0	1137.86	21.68	S	4.9	3.0	8.97		32.8	96.9		10-2014	10-2014	
02	22.7	Tall Fescue Hay (3 T/ac)			1			120.0	984.39	18.61	S	4.9	2.6	7.73		59.5	175.4		10-2014	10-2014	
03	65.9	Tall Fescue Hay (3 T/ac)			1			120.0	1594.16	30.26	S	4.9	4.3	12.54		280.2	826.6		10-2014	10-2014	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: GY007
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01																					
02																					
03																					
CropYear: 2015																					
01	43	Tall Fescue Hay (3 T/ac)			1			120.0	1619.53	30.92	S	5.0	4.3	12.78		186.0	549.8		10-2014	10-2014	
02	13.8	Tall Fescue Hay (3 T/ac)			1			120.0	358.91	6.85	S	5.0	1.0	2.83		13.2	39.1		10-2014	10-2014	
03	11.6	Tall Fescue Hay (3 T/ac)			1			120.0	760.27	14.51	S	5.0	2.0	6.00		23.6	69.6		10-2014	10-2014	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: GY011
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01																					
02																					
03																					
04																					
05																					
CropYear: 2015																					
01																					
02																					
03																					
04																					
05	55.9	Tall Fescue Hay (3 T/ac)			1			120.0	423.10	8.00	S	4.9	1.1	3.32		63.0	185.7		7-2014	7-2014	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: GY011
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01																					
02																					
03																					
04																					
05																					
CropYear: 2015																					
01	17.4	Tall Fescue Hay (3 T/ac)			1			120.0	1223.50	18.20	S	5.0	3.2	8.12		55.8	141.4		7-2014	7-2014	
02	50.1	Tall Fescue Hay (3 T/ac)			1			120.0	1690.54	25.15	S	5.0	4.4	11.23		222.1	562.4		7-2014	7-2014	
03	17.4	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.0	0.0	0.00		0.0	0.0		7-2014	7-2014	
04	32	Tall Fescue Hay (3 T/ac)			1			120.0	1334.70	19.85	S	5.0	3.5	8.86		112.0	283.6		7-2014	7-2014	
05	55.9	Tall Fescue Hay (3 T/ac)			1			120.0	921.10	13.63	S	5.0	2.4	6.07		132.7	339.1		7-2014	7-2014	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: GY012
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01																					
02																					
CropYear: 2015																					
01	32.4	Tall Fescue Hay (3 T/ac)			1			120.0	1027.91	19.62	S	5.0	2.7	8.11		89.0	262.9		7-2014	7-2014	
02	14.2	Tall Fescue Hay (3 T/ac)			1			120.0	1545.53	29.51	S	5.0	4.1	12.20		58.6	173.3		7-2014	7-2014	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: GY014
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01																					
02																					
03																					
CropYear: 2015																					
01	48.1	Tall Fescue Hay (3 T/ac)			1			120.0	1623.10	30.99	S	5.0	4.3	12.81		208.5	616.3		10-2014	10-2014	
02	11.7	Tall Fescue Hay (3 T/ac)			1			120.0	1666.92	31.82	S	5.0	4.5	13.16		52.1	154.0		SEP 2014	SEP 2014	
03	9.6	Tall Fescue Hay (3 T/ac)			1			120.0	1522.35	29.06	S	5.0	4.1	12.02		39.0	115.4		SEP 2014	SEP 2014	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: GY015
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01																					
02																					
03																					
04																					
05																					
06																					
CropYear: 2015																					
01	31.8	Tall Fescue Hay (3 T/ac)			1			120.0	1765.86	25.72	S	5.0	4.5	11.62		144.5	369.6		SEP 2014	SEP 2014	
02	5.7	Tall Fescue Hay (3 T/ac)			1			120.0	1749.33	25.48	S	5.0	4.5	11.51		25.7	65.6		SEP 2014	SEP 2014	
03	17.9	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.0	0.0	0.00		0.0	0.0		SEP 2014	SEP 2014	
04	24.4	Tall Fescue Hay (3 T/ac)			1			120.0	1636.30	23.83	S	5.0	4.2	10.77		102.7	262.7		SEP 2014	SEP 2014	
05	17.3	Tall Fescue Hay (3 T/ac)			1			120.0	1731.13	25.21	S	5.0	4.5	11.39		77.1	197.1		SEP 2014	SEP 2014	
06	63.7	Tall Fescue Hay (3 T/ac)			1			120.0	1704.50	24.83	S	5.0	4.4	11.22		279.4	714.5		SEP 2014	SEP 2014	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: GY016
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
1																					
2																					
3																					
4																					
CropYear: 2015																					
1	13.5	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.0	0.0	0.00		0.0	0.0		OCT 2014	OCT 2014	
2	23.3	Tall Fescue Hay (3 T/ac)			1			120.0	1830.00	26.80	S	5.0	4.7	12.11		110.2	282.1		OCT 2014	OCT 2014	
3	36.3	Tall Fescue Hay (3 T/ac)			1			120.0	1875.68	27.32	S	5.0	4.8	12.34		175.2	448.1		OCT 2014	OCT 2014	
4	34.1	Tall Fescue Hay (3 T/ac)			1			120.0	1952.80	28.44	S	5.0	5.0	12.85		171.3	438.2		OCT 2014	OCT 2014	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: HA004
Calendar Year: 2014
Source: Mixed

CropYear: 2014

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
01																					
02																					
03																					
04																					
05																					
06	22.2	Tall Fescue Hay (3 T/ac)			1			120.0	1662.17	24.73	S	5.0	4.4	11.04		96.8	245.0		8-2014	8-2014	
07	9.6	Tall Fescue Hay (3 T/ac)			1			120.0	1613.15	24.00	S	5.0	4.2	10.71		40.6	102.8		8-2014	8-2014	
08	13.7	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.0	0.0	0.00		0.0	0.0		8-2014	8-2014	
09	22.9	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.0	0.0	0.00		0.0	0.0		8-2014	8-2014	
10	28.8	Tall Fescue Hay (3 T/ac)			1			120.0	1619.48	24.09	S	5.0	4.2	10.75		122.3	309.7		8-2014	8-2014	
11	33.4	Tall Fescue Hay (3 T/ac)			1			120.0	1605.43	23.88	S	5.0	4.2	10.66		140.6	356.1		8-2014	8-2014	
12	32.5	Tall Fescue Hay (3 T/ac)			1			120.0	1491.27	22.18	S	5.0	3.9	9.90		127.1	321.8		8-2014	8-2014	
13	36.4	Tall Fescue Hay (3 T/ac)			1			120.0	1667.98	24.81	S	5.0	4.4	11.08		159.2	403.2		8-2014	8-2014	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: HA004
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2015																					
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Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: HA005
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	29.3	Tall Fescue Hay (3 T/ac)			1			120.0	1561.00	23.22	S	5.0	4.1	10.37		120.0	303.7		8-2014	8-2014	
02	13.6	Tall Fescue Hay (3 T/ac)			1			120.0	1212.44	18.04	S	3.5	3.2	8.05		43.2	109.5		8-2014	8-2014	
CropYear: 2015																					
01																					
02																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: HA006
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01																					
02	6.1	Tall Fescue Hay (3 T/ac)			1			120.0	1290.97	19.20	S	4.1	3.4	8.57		20.7	52.3		8-2014	8-2014	
03	12.1	Tall Fescue Hay (3 T/ac)			1			120.0	1396.23	20.77	S	4.1	3.7	9.27		44.3	112.2		8-2014	8-2014	
04	8.7	Tall Fescue Hay (3 T/ac)			1			120.0	1119.12	16.65	S	3.4	2.9	7.43		25.5	64.6		8-2014	8-2014	
05	24	Tall Fescue Hay (3 T/ac)			1			120.0	924.62	13.75	S	3.5	2.4	6.14		58.2	147.4		8-2014	8-2014	
06	27.8	Tall Fescue Hay (3 T/ac)			1			120.0	1142.94	17.00	S	3.4	3.0	7.59		83.3	211.0		8-2014	8-2014	
CropYear: 2015																					
01																					
02																					
03																					
04																					
05																					
06																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: HA007
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	12.5	Tall Fescue Hay (3 T/ac)			1			120.0	1384.78	20.52	S	4.5	3.7	9.22		45.9	115.3		7-2014	7-2014	
02	14.5	Tall Fescue Hay (3 T/ac)			1			120.0	1430.26	21.20	S	4.5	3.8	9.53		55.0	138.1		7-2014	7-2014	
03	22	Tall Fescue Hay (3 T/ac)			1			120.0	1575.12	23.34	S	4.6	4.2	10.49		91.9	230.8		7-2014	7-2014	
04	33.4	Tall Fescue Hay (3 T/ac)			1			120.0	1512.47	22.42	S	4.6	4.0	10.07		133.9	336.5		7-2014	7-2014	
CropYear: 2015																					
01																					
02																					
03																					
04																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: HA012
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	31	Tall Fescue Hay (3 T/ac)			1			120.0	867.55	12.91	S	3.5	2.3	5.76		70.5	178.6		7-2014	7-2014	
CropYear: 2015																					
01																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: HA013
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	12.7	Tall Fescue Hay (3 T/ac)			1			120.0	1143.85	17.02	S	3.6	3.0	7.60		38.1	96.5		7-2014	7-2014	
CropYear: 2015																					
01																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: HA018
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01																					
02	38.9	Tall Fescue Hay (pre GP)			1			165.0	0.00	0.00	S	0.4	0.0	0.00		0.0	0.0		11-2013	11-2013	
03																					
04	5	Tall Fescue Pasture (pre GP)			1			120.0	0.00	0.00	S	0.8	0.0	0.00		0.0	0.0		9-2013	9-2013	
CropYear: 2015																					
01																					
02	38.9	Tall Fescue Hay (3 T/ac)			1			120.0	1005.88	19.20	S	3.2	2.7	7.94		104.5	308.9		10-2014	10-2014	
03																					
04																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: HA018
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	19.2	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.0	0.0	0.00		0.0	0.0		7-2014	7-2014	
02																					
03	26.8	Tall Fescue Hay (3 T/ac)			1			120.0	1546.25	22.33	S	4.6	4.0	10.09		106.1	270.5		7-2014	7-2014	
04																					
CropYear: 2015																					
01																					
02																					
03																					
04																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: HA026
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	42.4	Tall Fescue Hay (3 T/ac)			1			120.0	1442.47	21.38	S	4.4	3.8	9.61		162.2	407.4		7-2014	7-2014	
02	26	Tall Fescue Hay (3 T/ac)			1			120.0	1469.58	21.78	S	4.4	3.9	9.79		101.3	254.5		7-2014	7-2014	
03	25.9	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	4.5	0.0	0.00		0.0	0.0		7-2014	7-2014	
04	36.3	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	4.6	0.0	0.00		0.0	0.0		7-2014	7-2014	
05	29.4	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	4.6	0.0	0.00		0.0	0.0		7-2014	7-2014	
06	14.7	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	4.4	0.0	0.00		0.0	0.0		7-2014	7-2014	
CropYear: 2015																					
01																					
02																					
03																					
04																					
05																					
06																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: HA031
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	22.2	Tall Fescue Hay (3 T/ac)			1			120.0	1008.34	15.00	S	3.1	2.6	6.70		58.7	148.6		8-2014	8-2014	
02	8.5	Tall Fescue Hay (3 T/ac)			1			120.0	894.92	13.31	S	3.1	2.3	5.94		20.0	50.5		8-2014	8-2014	
03	12.9	Tall Fescue Hay (3 T/ac)			1			120.0	977.62	14.54	S	3.0	2.6	6.49		33.1	83.7		8-2014	8-2014	
CropYear: 2015																					
01																					
02																					
03																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: HA032
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	19.8	Tall Fescue Hay (3 T/ac)			1			120.0	1039.45	15.46	S	3.6	2.7	6.90		54.0	136.7		8-2014	8-2014	
02																					
CropYear: 2015																					
01																					
02																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: HA037
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	23	Tall Fescue Hay (3 T/ac)			1			120.0	1506.58	22.33	S	4.5	4.0	10.03		91.8	230.8		7-2014	7-2014	
02	20.3	Tall Fescue Hay (3 T/ac)			1			120.0	289.75	4.29	S	4.9	0.8	1.93		15.6	39.2		7-2014	7-2014	
CropYear: 2015																					
01																					
02																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: HA044
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	13.8	Tall Fescue Hay (3 T/ac)			1			120.0	982.69	14.56	S	3.2	2.6	6.55		36.0	90.3		7-2014	7-2014	
02	8.3	Tall Fescue Hay (3 T/ac)			1			120.0	1057.05	15.67	S	3.2	2.8	7.04		23.3	58.4		7-2014	7-2014	
03	10.6	Tall Fescue Hay (3 T/ac)			1			120.0	939.58	13.92	S	3.1	2.5	6.26		26.4	66.3		7-2014	7-2014	
04	5.8	Tall Fescue Hay (3 T/ac)			1			120.0	1007.15	14.93	S	3.2	2.7	6.71		15.5	38.9		7-2014	7-2014	
05	10.5	Tall Fescue Hay (3 T/ac)			1			120.0	1237.63	18.34	S	3.4	3.3	8.24		34.5	86.6		7-2014	7-2014	
CropYear: 2015																					
01																					
02																					
03																					
04																					
05																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: HA046
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	14.9	Tall Fescue Hay (3 T/ac)			1			120.0	1579.12	29.85	S	4.9	4.2	12.40		62.7	184.7		JUNE 2014	JUNE 2014	
02	30.5	Tall Fescue Hay (3 T/ac)			1			120.0	1556.91	29.43	S	4.9	4.1	12.22		126.5	372.8		JUNE 2014	JUNE 2014	
03	28.3	Tall Fescue Hay (3 T/ac)			1			120.0	1545.89	29.23	S	4.9	4.1	12.14		116.6	343.5		JUNE 2014	JUNE 2014	
04	17.1	Tall Fescue Hay (3 T/ac)			1			120.0	1553.45	29.37	S	4.9	4.1	12.20		70.8	208.6		JUNE 2014	JUNE 2014	
05	25.4	Tall Fescue Hay (3 T/ac)			1			120.0	1457.82	27.56	S	4.9	3.9	11.45		98.6	290.7		JUNE 2014	JUNE 2014	
06	24.7	Tall Fescue Hay (3 T/ac)			1			120.0	1561.53	29.52	S	4.9	4.2	12.26		102.8	302.8		JUNE 2014	JUNE 2014	
07	66.4	Tall Fescue Hay (3 T/ac)			1			120.0	1388.80	26.26	S	4.9	3.7	10.90		245.7	724.0		JUNE 2014	JUNE 2014	
CropYear: 2015																					
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02																					
03																					
04																					
05																					
06																					
07																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: HA047
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	42.4	Tall Fescue Hay (3 T/ac)			1			120.0	1597.13	30.19	S	4.9	4.3	12.54		180.4	531.7		JUNE 2014	JUNE 2014	
02	33	Tall Fescue Hay (3 T/ac)			1			120.0	1555.14	29.40	S	4.9	4.1	12.21		136.7	402.9		JUNE 2014	JUNE 2014	
03	43	Tall Fescue Hay (3 T/ac)			1			120.0	1565.78	29.60	S	4.9	4.2	12.29		179.4	528.6		JUNE 2014	JUNE 2014	
04	42	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.1	0.0	0.00		0.0	0.0		JUNE 2014	JUNE 2014	
05	20.5	Tall Fescue Hay (3 T/ac)			1			120.0	1519.96	29.61	S	5.0	4.2	12.14		85.4	248.9		JUNE 2014	JUNE 2014	
06	23.2	Tall Fescue Hay (3 T/ac)			1			120.0	812.67	15.83	S	5.0	2.2	6.49		51.6	150.6		JUNE 2014	JUNE 2014	
07	14.9	Tall Fescue Hay (3 T/ac)			1			120.0	1340.13	25.91	S	5.0	3.6	10.66		54.3	158.8		JUNE 2014	JUNE 2014	
CropYear: 2015																					
01																					
02																					
03																					
04																					
05																					
06																					
07																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: MR011
Calendar Year: 2014
Source: Chattanooga

CropYear: 2014

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
01	97.5	Tall Fescue Hay (3 T/ac)			1			120.0	114.71	2.17	S	2.8	0.3	0.90		29.8	87.8		7-2014	7-2014	
02																					
03																					
04																					
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16																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: MR011
Calendar Year: 2014
Source: Chattanooga

CropYear: 2015

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
01																					
02																					
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14																					
15																					
16																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: MR011

Calendar Year: 2014

Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd

Agronomic Loading Rate Summary Worksheet

MATERIAL MANAGER for biosolids

The average of 52 biosolids analyses is used for each calculation.

Farm Name: MR011
Calendar Year: 2014
Source: Mixed

CropYear: 2014

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
01	97.5	Tall Fescue Hay (3 T/ac)			1			120.0	826.39	12.21	S	2.9	2.2	5.47		210.2	532.9		7-2014	7-2014	
02	47	Tall Fescue Hay (3 T/ac)			1			120.0	975.40	14.21	S	2.9	2.5	6.40		118.3	300.8		7-2014	7-2014	
03	22.9	Tall Fescue Pasture (pre GP)			1			120.0	0.00	0.00	S	1.2	0.0	0.00		0.0	0.0		9-2013	9-2013	
04	29.5	Tall Fescue Pasture (pre GP)			1			120.0	0.00	0.00	S	1.3	0.0	0.00		0.0	0.0		9-2013	9-2013	
05	18	Tall Fescue Pasture (pre GP)			1			120.0	0.00	0.00	S	1.7	0.0	0.00		0.0	0.0		9-2013	9-2013	
06																					
07	90.2	Tall Fescue Pasture (pre GP)			1			120.0	0.00	0.00	S	1.4	0.0	0.00		0.0	0.0		9-2013	9-2013	
08																					
09	16	Tall Fescue Pasture (pre GP)			1			120.0	0.00	0.00	S	1.1	0.0	0.00		0.0	0.0		9-2013	9-2013	
10	24	Tall Fescue Pasture (pre GP)			1			120.0	0.00	0.00	S	1.2	0.0	0.00		0.0	0.0		9-2013	9-2013	
11	29.5	Tall Fescue Hay (3 T/ac)			1			120.0	920.97	13.65	S	2.8	2.4	6.13		72.0	181.0		7-2014	7-2014	
12	54.1	Tall Fescue Hay (3 T/ac)			1			120.0	911.92	13.52	S	2.9	2.4	6.07		130.8	328.6		7-2014	7-2014	
13	14.6	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	2.8	0.0	0.00		0.0	0.0		7-2014	7-2014	
14	19.4	Tall Fescue Hay (3 T/ac)			1			120.0	1152.20	17.08	S	3.3	3.1	7.67		59.3	148.9		7-2014	7-2014	
15	27.4	Tall Fescue Hay (3 T/ac)			1			120.0	1123.39	16.65	S	3.4	3.0	7.48		81.6	205.0		7-2014	7-2014	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: MR011
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
16	156	Tall Fescue Hay (3 T/ac)			1			120.0	734.21	10.67	S	5.0	1.9	4.81		294.8	750.3		7-2014	72014	
CropYear:		2015																			
01																					
02																					
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Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: MR011
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: MR029
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	77.5	Corn Grain (< 125 bu/ac)		1				120.0	157.86	3.05	S	2.0	0.4	1.26		34.0	98.0		5-2014	5-2014	
CropYear: 2015																					
01																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: MS006
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01	11.5	Tall Fescue Hay (3 T/ac)			1			120.0	1463.55	21.69	S	4.5	3.9	9.75		44.6	112.1		6-2014	6-2014	
02	20.3	Tall Fescue Hay (3 T/ac)			1			120.0	1408.39	20.87	S	4.4	3.7	9.38		75.8	190.4		6-2014	6-2014	
03	7.7	Tall Fescue Hay (3 T/ac)			1			120.0	1129.47	16.74	S	4.4	3.0	7.52		23.1	57.9		6-2014	6-2014	
04	7.7	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.0	0.0	0.00		0.0	0.0		6-2014	6-2014	
05	40.2	Tall Fescue Hay (3 T/ac)			1			120.0	1424.05	21.10	S	4.4	3.8	9.49		151.8	381.3		6-2014	6-2014	
06	13	Tall Fescue Hay (3 T/ac)			1			120.0	1526.23	22.62	S	4.6	4.0	10.17		52.6	132.2		6-2014	6-2014	
07	11.6	Tall Fescue Hay (3 T/ac)			1			120.0	1182.26	17.52	S	4.4	3.1	7.88		36.4	91.4		6-2014	6-2014	
CropYear: 2015																					
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02																					
03																					
04																					
05																					
06																					
07																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: RH007
Calendar Year: 2014
Source: Mixed

CropYear: 2014

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
01																					
02																					
03																					
04																					
05																					
06																					
07																					
08	7.2	Corn Grain 176 - 200 bu (pre GP)		1				210.0	0.00	0.00	S	0.6	0.0	0.00		0.0	0.0		10-2013	10-2013	
09	10.4	Wheat (pre GP)	Sorghum Grain or Silage (pre GP)	1		1		180.0	0.00	0.00	S	0.3	0.0	0.00		0.0	0.0		10-2013	10-2013	
10	4	Tall Fescue Hay (pre GP)			1			165.0	0.00	0.00	S	1.0	0.0	0.00		0.0	0.0		10-2013	10-2013	
11	15.6	Tall Fescue Hay (pre GP)			1			165.0	0.00	0.00	S	0.8	0.0	0.00		0.0	0.0		10-2013	10-2013	
12																					
13	17.6	Tall Fescue Pasture (pre GP)			1			120.0	0.00	0.00	S	0.4	0.0	0.00		0.0	0.0		10-2013	10-2013	
14	20.3	Tall Fescue Pasture (pre GP)			1			120.0	0.00	0.00	S	0.3	0.0	0.00		0.0	0.0		10-2013	10-2013	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: RH007
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2015																					
01	7.6	Tall Fescue Hay (3 T/ac)			1			120.0	1021.44	15.21	S	2.8	2.7	6.87		20.3	52.2		1-2015	1-2015	
02	5.9	Tall Fescue Hay (3 T/ac)			1			120.0	1092.93	16.27	S	3.3	2.9	7.35		16.9	43.4		1-2015	1-2015	
03	13.1	Tall Fescue Hay (3 T/ac)			1			120.0	1121.04	16.69	S	3.2	2.9	7.54		38.4	98.8		1-2015	1-2015	
04	12.8	Tall Fescue Hay (3 T/ac)			1			120.0	711.86	10.60	S	2.6	1.9	4.79		23.8	61.3		1-2015	1-2015	
05																					
06																					
07																					
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Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: RH019
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
1	54.1	Tall Fescue Hay (pre GP)			1			165.0	1453.75	26.20	S	7.4	4.2	11.67		226.3	631.4		OCT 2013	OCT 2013	
CropYear: 2015																					
1																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: RH020
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
1	21.6	Tall Fescue Hay (pre GP)			1			165.0	2197.81	39.93	S	7.6	6.5	17.95		140.6	387.7		OCT 2013	OCT 2013	
2	33.1	Tall Fescue Hay (pre GP)			1			165.0	678.97	12.34	S	2.3	2.0	5.55		66.5	183.5		OCT 2013	OCT 2013	
3	19.9	Tall Fescue Hay (pre GP)			1			165.0	2204.24	40.05	S	7.6	6.5	18.00		129.9	358.3		OCT 2013	OCT 2013	
4	42.1	Tall Fescue Hay (pre GP)			1			165.0	2049.42	36.96	S	7.4	5.9	16.50		249.6	694.7		OCT 2013	OCT 2013	
CropYear: 2015																					
1	21.6	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	3.1	0.0	0.00		0.0	0.0		1-2015	1-2015	
2	33.1	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	3.2	0.0	0.00		0.0	0.0		1-2015	1-2015	
3	19.9	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	3.1	0.0	0.00		0.0	0.0		1-2015	1-2015	
4	42.1	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	3.3	0.0	0.00		0.0	0.0		1-2015	1-2015	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: RH022
Calendar Year: 2014
Source: Chattanooga

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
1	9.3	Tall Fescue Hay (pre GP)			1			165.0	2177.28	39.23	S	7.4	6.3	17.48		58.3	162.5		NOV 2013	NOV 2013	
2	6.2	Tall Fescue Hay (pre GP)			1			165.0	2333.25	42.05	S	7.4	6.7	18.73		41.6	116.1		NOV 2013	NOV 2013	
3	5.1	Bermuda Grass (Common - Hay)			1			200.0	0.00	0.00	S	8.5	0.0	0.00		0.0	0.0		NOV 2013	NOV 2013	
4	13	Tall Fescue Pasture (pre GP)			1			120.0	1171.91	21.12	S	5.4	3.4	9.41		43.8	122.3		NOV 2013	NOV 2013	
5	8.2	Tall Fescue Hay (pre GP)			1			165.0	2278.24	41.05	S	7.4	6.6	18.29		53.8	150.0		NOV 2013	NOV 2013	
6	15.7	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.1	0.0	0.00		0.0	0.0		NOV 2013	NOV 2013	
CropYear: 2015																					
1																					
2																					
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6																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: RH023
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
CropYear: 2015																					
1	14.8	Tall Fescue Hay (3 T/ac)			1			120.0	1009.35	15.03	S	3.1	2.6	6.79		39.1	100.4		11-2014	11-2014	
2	33	Corn Silage (19 -25 T/ac)			1			150.0	2091.77	30.77	S	6.3	5.4	13.90		178.9	458.6		11-2014	11-2014	
3	26.6	Tall Fescue Hay (3 T/ac)			1			120.0	975.70	14.53	S	3.2	2.6	6.56		67.9	174.5		11-2014	11-2014	
4	43	Corn Silage (19 -25 T/ac)			1			150.0	1199.09	17.85	S	4.3	3.1	8.06		134.8	346.7		11-2014	11-2014	
5	26	Corn Silage (19 -25 T/ac)			1			150.0	1997.41	29.74	S	6.3	5.2	13.43		135.8	349.2		11-2014	11-2014	
6	22.7	Tall Fescue Hay (3 T/ac)			1			120.0	991.67	14.76	S	3.2	2.6	6.67		58.9	151.4		11-2014	11-2014	
7																					

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: RH025
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
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Agronomic Loading Rate Summary Worksheet

MATERIAL MANAGER for biosolids

The average of 52 biosolids analyses is used for each calculation.

Farm Name: RH025
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2015																					
1	8.6	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.0	0.0	0.00		0.0	0.0		NOV 2014	NOV 2014	
10	15.5	Tall Fescue Hay (3 T/ac)			1			120.0	1776.90	26.46	S	5.0	4.6	11.95		72.0	185.2		NOV 2014	NOV 2014	
11	14.7	Corn Grain (126 - 150 bu/ac)		1				150.0	2225.36	33.13	S	6.3	5.8	14.96		85.5	220.0		NOV 2014	NOV 2014	
12	15.1	Corn Silage (19 -25 T/ac)			1			150.0	2112.64	31.45	S	6.3	5.5	14.21		83.4	214.5		NOV 2014	NOV 2014	
13	6.7	Tall Fescue Hay (3 T/ac)			1			120.0	1853.83	27.60	S	5.0	4.8	12.47		32.5	83.5		NOV 2014	NOV 2014	
14	2.6	Tall Fescue Hay (3 T/ac)			1			120.0	1789.72	26.65	S	5.0	4.7	12.03		12.2	31.3		NOV 2014	NOV 2014	
15	25.9	Tall Fescue Hay (3 T/ac)			1			120.0	1788.02	26.62	S	5.0	4.7	12.02		121.1	311.4		NOV 2014	NOV 2014	
2	10.7	Corn Silage (19 -25 T/ac)			1			150.0	2169.01	32.29	S	6.3	5.7	14.59		60.7	156.1		NOV 2014	NOV 2014	
3	23	Corn Silage (19 -25 T/ac)			1			150.0	2016.90	30.03	S	6.3	5.3	13.56		121.3	311.9		NOV 2014	NOV 2014	
4	16	Tall Fescue Hay (3 T/ac)			1			120.0	1767.29	26.31	S	5.0	4.6	11.88		73.9	190.1		NOV 2014	NOV 2014	
5	15.5	Tall Fescue Hay (3 T/ac)			1			120.0	1769.90	26.35	S	5.0	4.6	11.90		71.7	184.5		NOV 2014	NOV 2014	
6	16.2	Tall Fescue Hay (3 T/ac)			1			120.0	1715.73	25.55	S	5.0	4.5	11.54		72.7	186.9		NOV 2014	NOV 2014	
7	10.6	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.0	0.0	0.00		0.0	0.0		NOV 2014	NOV 2014	
8	13.7	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.0	0.0	0.00		0.0	0.0		NOV 2014	NOV 2014	
9	4.8	Corn Grain (126 - 150 bu/ac)		1				150.0	2374.17	35.35	S	6.3	6.2	15.96		29.8	76.6		NOV 2014	NOV 2014	

Agronomic Loading Rate Summary Worksheet

The average of 52 biosolids analyses is used for each calculation.

Farm Name: RH025

Calendar Year: 2014

Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd

Agronomic Loading Rate Summary Worksheet

MATERIAL MANAGER *for biosolids*

The average of 52 biosolids analyses is used for each calculation.

Farm Name: SE013
Calendar Year: 2014
Source: Mixed

Field	Acres	Planned Crop 1	Planned Crop 2	Desired bu/A	Desired T/A	Desired bu/A	Desired T/A	Crop N lb/A	Applied P2O5 lb/A	Applied K2O lb/A	App. Meth.	Calculated App. Rate Biosolids or Septage DT or gal / acre	Actual Rate Applied Biosolids DT/ acre	Septage or Biosolids Application WT/A	Septage or Biosolids Application Gal/A	Total Field Septage or Biosolids DT	Total Field Septage or Biosolids WT	Total Field Septage or Biosolids Gal	Planting Date (eg: May)	Application Period(s) (e.g.:mid July) 1st	Application Period(s) (e.g.:mid July) 2nd
CropYear: 2014																					
01																					
02																					
03																					
04																					
CropYear: 2015																					
01	39.5	Tall Fescue Hay (3 T/ac)			1			120.0	1712.38	24.94	S	5.0	4.4	11.27		174.0	445.1		10-2014	10-2014	
02	42.5	Tall Fescue Hay (3 T/ac)			1			120.0	1653.43	24.08	S	5.0	4.3	10.88		180.8	462.4		10-2014	10-2014	
03	17.1	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.0	0.0	0.00		0.0	0.0		10-2014	10-2014	
04	30.1	Tall Fescue Hay (3 T/ac)			1			120.0	0.00	0.00	S	5.0	0.0	0.00		0.0	0.0		10-2014	10-2014	

APPENDIX B (2)
2014 LAND APPLICATION SITES
Cumulative Pollutant Loading Rate Summary

40CFR 503 ANNUAL SLUDGE REPORT
MOCCASIN BEND WWTP
CHATTANOOGA, TN
NPDES PERMIT NO. TN0024210

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A08FH

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A08FH-1				0.00	0.01	0.05	0.19	0.03	0.00	0.03	0.06	0.00	0.62
TA08FH-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A08KL

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A08KL-1				0.03	0.04	0.37	1.38	0.19	0.01	0.22	0.46	0.02	4.63

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A08LW

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A08LW-1				0.03	0.06	0.53	1.72	0.28	0.01	0.37	0.68	0.03	6.55

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A08RT

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A08RT-1				0.01	0.02	0.21	0.87	0.12	0.00	0.13	0.24	0.01	2.78

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A11029

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T3427-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T3427-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T3428-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T3428-3				0.04	0.04	0.34	1.05	0.17	0.00	0.23	0.51	0.02	3.98
T3428-4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A11030

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T3429-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T3429-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T3429-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T3429-4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T3429-5				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T3429-6				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T3430-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T3430-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T3430-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T3431-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A11KF

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A11KF-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A288

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T488-1				0.04	0.08	0.60	2.48	0.36	0.01	0.44	0.79	0.03	8.78
T489-1				0.06	0.09	0.84	2.68	0.43	0.01	0.58	1.09	0.04	10.24

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A28AD

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A28AD-1				0.01	0.02	0.19	0.74	0.09	0.00	0.10	0.19	0.01	2.30

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A28BP

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A28BP-1				0.00	0.01	0.06	0.24	0.04	0.00	0.04	0.07	0.00	0.82

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A28CP

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
A28CP-1				0.01	0.02	0.17	0.75	0.12	0.01	0.13	0.22	0.01	2.61

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A28DS

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A28DS-1				0.00	0.01	0.09	0.36	0.06	0.00	0.06	0.11	0.00	1.28

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A28EB

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A28EB-1				0.03	0.03	0.23	0.71	0.11	0.00	0.16	0.35	0.01	2.72

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A28JG

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A28JG-1				0.00	0.01	0.04	0.19	0.03	0.00	0.02	0.05	0.00	0.63

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A28NJ

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A28NJ-1				0.02	0.03	0.36	1.41	0.17	0.00	0.19	0.37	0.02	4.39

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A28Put

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A28Put-1				0.02	0.02	0.15	0.59	0.08	0.00	0.11	0.26	0.01	2.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A28RC

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T3350-1				0.02	0.02	0.17	0.53	0.08	0.00	0.12	0.26	0.01	2.02
T3350-2				0.02	0.02	0.19	0.58	0.09	0.00	0.13	0.28	0.01	2.20
T66617-1				0.01	0.01	0.12	0.37	0.06	0.00	0.08	0.18	0.01	1.40
T66617-2				0.01	0.01	0.12	0.38	0.06	0.00	0.09	0.19	0.01	1.44
T66617-3				0.01	0.01	0.13	0.39	0.06	0.00	0.09	0.19	0.01	1.49

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A28RL

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A28RL-1				0.01	0.01	0.11	0.34	0.05	0.00	0.08	0.17	0.01	1.30

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A28SW

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A28SW-1				0.00	0.01	0.07	0.30	0.04	0.00	0.04	0.08	0.00	0.95

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A28TR

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A28TR-1				0.00	0.01	0.13	0.49	0.06	0.00	0.06	0.12	0.01	1.54

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A28Weng

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A28Weng-				0.02	0.03	0.28	1.13	0.15	0.00	0.16	0.41	0.02	3.65

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A3167

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T3770-1				0.08	0.08	0.73	2.27	0.36	0.01	0.51	1.11	0.04	8.63
T3770-2				0.07	0.07	0.60	1.87	0.30	0.01	0.42	0.92	0.03	7.13
T3770-3				0.07	0.07	0.63	1.95	0.31	0.01	0.44	0.96	0.04	7.44

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A31SW

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A31SW-1				0.00	0.00	0.04	0.13	0.02	0.00	0.03	0.07	0.00	0.47

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A3349

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T3843-1				0.09	0.09	0.79	2.46	0.39	0.01	0.55	1.21	0.05	9.36
T3843-2				0.06	0.06	0.54	1.66	0.26	0.00	0.37	0.82	0.03	6.33

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A357

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T534-1				0.02	0.05	0.42	1.84	0.24	0.01	0.23	0.47	0.02	5.88
T535-1				0.01	0.03	0.29	1.25	0.16	0.00	0.16	0.32	0.01	3.99
T536-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A39MH

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
A39MH-1				0.02	0.02	0.16	0.57	0.07	0.00	0.11	0.32	0.01	1.90

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A4562

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T7052-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T7052-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T7052-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T7052-4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A47DH

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A47DH-1				0.01	0.01	0.14	0.54	0.08	0.01	0.09	0.16	0.01	1.93

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50AO

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
A50AO-1				0.01	0.02	0.19	0.81	0.12	0.01	0.13	0.24	0.01	2.74

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50BE

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50BE-1				0.01	0.01	0.09	0.33	0.04	0.00	0.07	0.18	0.01	1.11

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50BH

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50BH-1				0.00	0.01	0.08	0.34	0.05	0.00	0.05	0.09	0.00	1.08

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50BT

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50BT-1				0.03	0.03	0.32	1.22	0.16	0.00	0.18	0.45	0.02	3.98

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50CF

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50CF-1				0.06	0.08	0.79	3.00	0.41	0.01	0.48	1.06	0.04	10.04

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50DE

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50DE-1				0.01	0.02	0.16	0.60	0.09	0.01	0.10	0.18	0.01	2.01

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50DJ

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50DJ-1				0.00	0.01	0.11	0.45	0.06	0.00	0.07	0.12	0.01	1.51

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50EB

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
A50EB-1				0.01	0.02	0.19	0.82	0.11	0.00	0.11	0.22	0.01	2.58

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50GG1

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
A50GG1-1				0.00	0.01	0.10	0.39	0.06	0.00	0.06	0.12	0.00	1.29

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50HW

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50HW-1				0.02	0.04	0.38	1.14	0.18	0.00	0.25	0.48	0.02	4.36

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50JB

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50JB-1				0.01	0.01	0.14	0.57	0.09	0.01	0.10	0.17	0.01	1.93

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50JE

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50JE-1				0.04	0.03	0.32	1.12	0.16	0.00	0.21	0.57	0.02	3.84

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50JP

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50JP-1				0.01	0.01	0.11	0.33	0.05	0.00	0.07	0.16	0.01	1.26

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50JW

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50JW-1				0.00	0.00	0.05	0.19	0.03	0.00	0.03	0.06	0.00	0.65

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50KG2

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50KG2-1				0.01	0.01	0.12	0.49	0.07	0.01	0.08	0.14	0.01	1.70

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50KS

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50KS-1				0.01	0.01	0.13	0.48	0.07	0.01	0.08	0.14	0.01	1.72

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50LB

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50LB-1				0.00	0.01	0.05	0.18	0.03	0.00	0.03	0.05	0.00	0.66

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50PE

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50PE-1				0.03	0.02	0.22	0.82	0.10	0.00	0.11	0.33	0.02	2.54

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50PT

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50PT-1				0.01	0.01	0.11	0.48	0.07	0.01	0.08	0.14	0.01	1.62

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50RB

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50RB-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50RW2

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50RW2-1				0.00	0.01	0.10	0.40	0.05	0.00	0.06	0.11	0.00	1.24

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50SM

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50SM-1				0.02	0.04	0.35	1.39	0.22	0.01	0.23	0.41	0.02	4.78

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50SW

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
A50SW-1				0.01	0.02	0.20	0.77	0.11	0.00	0.12	0.22	0.01	2.66

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50TA

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50TA-1				0.07	0.11	1.04	4.24	0.56	0.01	0.64	1.38	0.05	13.75

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50TB

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50TB-1				0.00	0.01	0.09	0.36	0.05	0.00	0.05	0.10	0.00	1.12

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50U1

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50U1-1				0.01	0.02	0.20	0.79	0.11	0.01	0.12	0.22	0.01	2.64

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50WS

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50WS-1				0.00	0.00	0.04	0.13	0.02	0.00	0.03	0.06	0.00	0.50

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50YS-1

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50YS-1-1				0.01	0.01	0.12	0.39	0.06	0.00	0.08	0.15	0.01	1.49

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50YS-2

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
A50YS-2-1				0.01	0.01	0.11	0.36	0.06	0.00	0.08	0.14	0.01	1.37
A50YS-2-2				0.01	0.01	0.12	0.40	0.06	0.00	0.09	0.15	0.01	1.53

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50YS-3

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
A50YS-3-1				0.01	0.01	0.12	0.40	0.06	0.00	0.09	0.15	0.01	1.53

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50YS-4

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50YS-4-1				0.01	0.01	0.13	0.43	0.07	0.00	0.09	0.16	0.01	1.62
A50YS-4-2				0.01	0.01	0.12	0.40	0.06	0.00	0.09	0.15	0.01	1.52

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50YS-5

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50YS-5-1				0.00	0.01	0.07	0.24	0.04	0.00	0.05	0.09	0.00	0.91

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50YS-6

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50YS-6-1				0.01	0.02	0.15	0.45	0.07	0.00	0.10	0.19	0.01	1.72

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A50YS-7

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A50YS-7-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A5228

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T637-1				0.00	0.01	0.10	0.41	0.05	0.00	0.05	0.10	0.00	1.30

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A532

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T639-1				0.08	0.08	0.75	2.34	0.37	0.01	0.53	1.15	0.04	8.92
T639-2				0.08	0.09	0.78	2.41	0.38	0.01	0.54	1.18	0.04	9.17
T639-3				0.09	0.09	0.80	2.47	0.39	0.01	0.55	1.21	0.05	9.40
T639-4				0.05	0.05	0.42	1.30	0.20	0.00	0.29	0.64	0.02	4.93

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A6293

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T11308-1				0.08	0.08	0.73	2.26	0.35	0.01	0.50	1.10	0.04	8.54

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A6557

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T3712-1				0.11	0.09	0.85	2.94	0.39	0.01	0.60	1.62	0.06	10.00
T3712-2				0.11	0.09	0.81	2.81	0.37	0.01	0.57	1.55	0.05	9.54
T3712-3				0.10	0.08	0.72	2.50	0.33	0.01	0.51	1.38	0.05	8.49
T3712-4				0.10	0.08	0.71	2.47	0.33	0.01	0.50	1.36	0.05	8.39
T3712-5				0.10	0.08	0.76	2.65	0.35	0.01	0.54	1.46	0.05	9.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A6656

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T10868-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A712

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T5048-1				0.05	0.04	0.38	1.31	0.17	0.00	0.26	0.73	0.03	4.42

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A7567

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T12077-1				0.08	0.08	0.76	2.37	0.37	0.01	0.53	1.16	0.04	9.02
T12077-2				0.08	0.08	0.72	2.24	0.35	0.01	0.50	1.10	0.04	8.52

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A7567B

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T3694-1				0.08	0.08	0.72	2.23	0.35	0.01	0.50	1.10	0.04	8.51
T3694-2				0.08	0.08	0.70	2.17	0.34	0.01	0.49	1.07	0.04	8.27
T3694-3				0.08	0.08	0.77	2.38	0.38	0.01	0.53	1.17	0.04	9.05
T3694-4				0.08	0.08	0.74	2.28	0.36	0.01	0.51	1.12	0.04	8.69
T3694-5				0.08	0.08	0.74	2.29	0.36	0.01	0.51	1.12	0.04	8.72

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A7780

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T476-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T476-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T674-1				0.06	0.08	0.79	2.42	0.39	0.01	0.53	1.04	0.04	9.25
T674-2				0.09	0.09	0.79	2.44	0.39	0.01	0.55	1.20	0.04	9.30

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A7918

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T496-1				0.01	0.03	0.20	0.91	0.12	0.00	0.12	0.23	0.01	2.91

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A8000

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
12450-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A8038

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T12341-1				0.02	0.06	0.53	2.28	0.30	0.01	0.28	0.58	0.02	7.30
T12341-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A8039

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T12492-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T12492-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T12492-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T12492-4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A8051

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T12503-1				0.01	0.04	0.29	1.28	0.17	0.00	0.16	0.33	0.01	4.10

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A8GP

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
A8GP-1				0.01	0.02	0.14	0.62	0.09	0.00	0.10	0.17	0.01	2.13

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A8JC

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
A8JC-1				0.03	0.03	0.24	0.84	0.12	0.00	0.15	0.38	0.02	2.96

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: A9296

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T13745-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T13745-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T13745-5				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL001

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.12	0.15	1.44	5.29	0.68	0.03	0.72	1.66	0.14	16.96
02				0.12	0.15	1.47	5.40	0.68	0.03	0.74	1.68	0.14	17.30
03				0.11	0.14	1.36	5.04	0.63	0.02	0.68	1.54	0.13	16.06
04				0.09	0.11	1.07	3.96	0.45	0.01	0.49	1.18	0.11	12.31

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL002

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.08	0.09	0.84	3.16	0.36	0.01	0.38	1.02	0.07	9.73
02				0.02	0.04	0.44	1.69	0.21	0.01	0.23	0.45	0.02	5.29

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL003

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.09	0.10	0.99	3.69	0.42	0.01	0.44	1.18	0.09	11.35
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03				0.06	0.04	0.39	1.40	0.15	0.00	0.15	0.55	0.05	4.27

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL004

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.13	0.15	1.18	5.15	0.66	0.01	0.63	1.91	0.13	16.87
02				0.13	0.11	0.73	3.43	0.44	0.01	0.41	1.58	0.13	11.53
03				0.12	0.10	0.69	3.28	0.43	0.01	0.39	1.52	0.12	11.06
04				0.07	0.05	0.41	1.72	0.20	0.00	0.19	0.76	0.06	5.47

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL006

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
04				0.03	0.02	0.21	0.71	0.07	0.00	0.08	0.26	0.04	2.22
05				0.05	0.04	0.37	1.24	0.13	0.00	0.14	0.46	0.07	3.90
06				0.05	0.03	0.32	1.08	0.11	0.00	0.12	0.40	0.06	3.42

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL007

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
01				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05				0.05	0.03	0.32	1.16	0.12	0.00	0.12	0.46	0.05	3.54
06				0.06	0.04	0.39	1.40	0.15	0.00	0.15	0.55	0.05	4.27
07				0.08	0.05	0.52	1.80	0.20	0.00	0.19	0.71	0.08	5.56
08				0.09	0.06	0.59	2.03	0.22	0.00	0.22	0.80	0.09	6.26

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL008

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	56.8	4.28		0.11	0.10	0.60	2.52	0.37	0.00	0.31	0.86	0.16	9.08
02	76.9	3.76		0.15	0.13	1.04	3.78	0.47	0.01	0.43	1.32	0.24	12.69
03	17	4.52		0.12	0.11	0.78	2.98	0.40	0.00	0.34	1.00	0.19	10.48
04	78.7	3.71		0.13	0.12	0.90	3.33	0.43	0.00	0.37	1.16	0.20	11.35
05	79.5	4.14		0.15	0.13	1.00	3.74	0.48	0.01	0.42	1.32	0.21	12.73

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL009

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
01				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04				0.00	0.00	0.01	0.05	0.01	0.00	0.01	0.02	0.00	0.16
06				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08				0.10	0.07	0.55	1.99	0.23	0.00	0.26	0.76	0.14	6.27
09				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10				0.07	0.05	0.39	1.37	0.17	0.00	0.19	0.60	0.09	4.39
11				0.06	0.05	0.36	1.30	0.15	0.00	0.17	0.50	0.09	4.11
12				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14				0.10	0.07	0.55	1.92	0.24	0.00	0.26	0.83	0.12	6.13
15				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL010

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.08	0.06	0.56	1.89	0.20	0.00	0.21	0.71	0.10	5.96
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03				0.07	0.07	0.65	2.28	0.29	0.01	0.30	0.78	0.08	7.29
04				0.07	0.09	0.82	2.90	0.35	0.02	0.39	0.88	0.13	9.21

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL011

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.07	0.12	1.14	3.97	0.62	0.03	0.78	1.44	0.05	14.64
02				0.07	0.12	1.14	3.97	0.62	0.03	0.78	1.44	0.05	14.64
03				0.09	0.11	1.00	3.62	0.47	0.02	0.52	1.19	0.11	12.25
04				0.02	0.03	0.28	0.84	0.13	0.00	0.18	0.36	0.01	3.22
05				0.02	0.03	0.28	0.84	0.13	0.00	0.18	0.36	0.01	3.22

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL016

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.02	0.06	0.55	2.12	0.32	0.02	0.36	0.62	0.02	7.56
02				0.02	0.05	0.51	2.01	0.24	0.01	0.26	0.51	0.02	6.19
03				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL017

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.04	0.10	1.06	4.08	0.57	0.03	0.60	1.13	0.05	13.00
02				0.05	0.11	1.11	4.28	0.60	0.03	0.63	1.19	0.05	13.67
03				0.03	0.07	0.70	2.71	0.33	0.01	0.35	0.69	0.03	8.37
04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05				0.08	0.12	1.16	4.53	0.62	0.03	0.68	1.47	0.06	14.64
06				0.10	0.07	0.65	2.28	0.29	0.00	0.35	1.32	0.05	7.28
07				0.16	0.18	1.80	6.69	0.90	0.03	1.01	2.68	0.10	21.36
08				0.16	0.19	1.88	6.97	0.94	0.03	1.06	2.75	0.10	22.41
09				0.15	0.17	1.73	6.41	0.86	0.03	0.97	2.59	0.10	20.47
10				0.12	0.08	0.79	2.76	0.35	0.01	0.43	1.60	0.05	8.80

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL018

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
01				0.05	0.04	0.28	0.99	0.12	0.00	0.14	0.43	0.06	3.17
02				0.07	0.05	0.38	1.33	0.17	0.00	0.18	0.58	0.08	4.24
03				0.06	0.07	0.65	2.42	0.30	0.01	0.32	0.80	0.07	7.50
04				0.10	0.06	0.52	1.81	0.23	0.00	0.25	0.79	0.11	5.78
05				0.06	0.04	0.33	1.14	0.14	0.00	0.16	0.50	0.07	3.65
06				0.08	0.08	0.75	2.78	0.35	0.01	0.37	0.96	0.09	8.67

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL019

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.09	0.10	0.99	3.68	0.46	0.01	0.49	1.16	0.10	11.63
02				0.03	0.07	0.66	2.59	0.35	0.01	0.37	0.73	0.03	8.24
03				0.08	0.10	0.92	3.46	0.43	0.01	0.46	1.08	0.09	10.90
04				0.12	0.17	1.62	5.63	0.77	0.02	0.92	1.96	0.12	19.09
05				0.12	0.15	1.36	5.13	0.64	0.02	0.69	1.64	0.14	16.32

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL020

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	23	4.54		0.14	0.12	0.91	3.53	0.48	0.01	0.40	1.19	0.19	12.25
02				0.04	0.04	0.37	1.26	0.11	0.00	0.14	0.39	0.10	3.87
03	14.3	4.31		0.12	0.11	0.81	3.14	0.44	0.00	0.35	1.03	0.17	10.98
04	22.7	3.89		0.12	0.11	0.84	3.13	0.44	0.00	0.34	0.98	0.19	10.86
05				0.08	0.07	0.63	2.02	0.23	0.00	0.22	0.67	0.13	6.38
06	40.3	3.12		0.10	0.11	0.81	2.99	0.39	0.00	0.32	0.90	0.20	10.17
07	6.6	4.08		0.10	0.10	0.69	2.72	0.40	0.00	0.30	0.88	0.15	9.61

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL021

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.19	0.18	1.30	4.83	0.77	0.01	0.56	1.67	0.27	15.88
02				0.04	0.04	0.24	1.16	0.19	0.00	0.14	0.43	0.05	4.20
03				0.05	0.05	0.42	1.42	0.16	0.00	0.19	0.48	0.07	4.65
04				0.02	0.04	0.32	1.30	0.21	0.00	0.25	0.44	0.03	4.80
05				0.02	0.03	0.20	0.78	0.15	0.00	0.11	0.26	0.04	2.66
06				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL022

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.11	0.11	0.82	3.13	0.39	0.00	0.35	1.14	0.20	10.20
02				0.14	0.14	0.99	3.80	0.54	0.01	0.44	1.48	0.22	12.67
03				0.08	0.08	0.62	2.12	0.24	0.00	0.22	0.65	0.16	6.61
04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05				0.14	0.13	0.94	3.68	0.51	0.01	0.43	1.45	0.21	12.30
06				0.17	0.16	1.22	4.50	0.58	0.01	0.51	1.69	0.27	14.84
07				0.16	0.15	1.16	4.32	0.54	0.01	0.49	1.58	0.27	14.14
08				0.15	0.14	1.02	3.94	0.55	0.01	0.46	1.53	0.23	13.10
09				0.11	0.11	0.95	3.09	0.37	0.00	0.33	0.98	0.22	9.70
10				0.10	0.09	0.70	2.49	0.35	0.00	0.27	0.78	0.19	7.91
11				0.09	0.08	0.60	2.14	0.30	0.00	0.24	0.68	0.17	6.76
12				0.12	0.11	0.91	3.26	0.42	0.00	0.34	1.00	0.20	10.36

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL023

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.09	0.09	0.70	2.48	0.33	0.00	0.27	0.78	0.19	7.90
02				0.15	0.16	1.06	4.41	0.61	0.01	0.50	1.57	0.26	14.47

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL024

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.09	0.09	0.54	2.29	0.30	0.00	0.27	0.72	0.17	7.20
02				0.12	0.12	0.76	3.21	0.43	0.00	0.37	1.00	0.24	10.12
03				0.05	0.04	0.37	1.18	0.12	0.00	0.14	0.40	0.11	3.66

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL025

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	48.9	2.89		0.12	0.12	0.74	3.12	0.47	0.00	0.39	1.17	0.22	10.85
02	50.6	2.90		0.11	0.11	0.68	2.98	0.40	0.00	0.36	1.13	0.19	10.58

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL026

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	27.5	4.22		0.12	0.12	0.90	3.36	0.48	0.01	0.37	1.06	0.20	11.62
02	18.7	3.78		0.16	0.15	1.16	4.16	0.56	0.01	0.45	1.33	0.25	14.04
03				0.08	0.07	0.61	1.98	0.24	0.00	0.21	0.65	0.13	6.24
04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05	8.4	4.02		0.15	0.14	1.09	3.95	0.54	0.01	0.43	1.26	0.24	13.42

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL027

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL028

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	21.3	6.21		0.27	0.27	1.80	7.23	1.19	0.01	0.82	2.37	0.42	24.43
02	28.9	5.91		0.26	0.25	1.68	7.01	1.18	0.01	0.80	2.36	0.38	23.88
03	40.3	5.79		0.30	0.34	2.53	10.10	1.50	0.02	1.19	3.10	0.45	33.24
04	4.7	6.04		0.26	0.26	1.77	7.14	1.17	0.01	0.81	2.37	0.40	24.17
05	24.2	5.83		0.25	0.24	1.64	6.72	1.08	0.01	0.77	2.28	0.37	22.88
06	29.8	5.15		0.17	0.17	1.07	4.65	0.79	0.01	0.53	1.46	0.27	15.91
07	14.1	4.27		0.21	0.20	1.39	5.63	0.92	0.01	0.63	1.83	0.32	18.95
08	14.2	1.06		0.14	0.17	1.39	5.63	0.71	0.01	0.70	1.87	0.19	18.16

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL029

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL030

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL031

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.05	0.05	0.26	1.43	0.21	0.00	0.18	0.70	0.06	5.10
02				0.09	0.09	0.61	2.44	0.29	0.00	0.30	1.00	0.17	8.08
03				0.08	0.09	0.64	2.49	0.29	0.00	0.30	1.01	0.16	8.40
04				0.03	0.03	0.13	0.71	0.12	0.00	0.09	0.32	0.03	2.54
05				0.07	0.07	0.32	1.67	0.37	0.00	0.23	0.63	0.08	5.87
06				0.06	0.06	0.37	1.79	0.30	0.00	0.22	0.67	0.08	6.49
07				0.07	0.08	0.61	2.23	0.25	0.00	0.26	0.88	0.15	7.39
08				0.13	0.13	0.95	3.49	0.52	0.01	0.42	1.21	0.24	11.53
09				0.12	0.12	0.84	3.46	0.42	0.01	0.40	1.17	0.22	11.53
10				0.12	0.12	0.82	3.36	0.41	0.01	0.39	1.14	0.21	11.22

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL032

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	10.2	4.79		0.04	0.05	0.21	1.19	0.22	0.00	0.14	0.33	0.06	4.90

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL033

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.15	0.15	1.07	3.95	0.54	0.01	0.43	1.23	0.29	12.42
02				0.12	0.13	1.02	3.44	0.44	0.00	0.36	1.07	0.25	10.83
03				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04				0.08	0.08	0.63	2.24	0.19	0.00	0.24	0.68	0.19	6.89
05				0.12	0.13	1.02	3.51	0.40	0.00	0.37	1.08	0.27	10.98
06				0.09	0.09	0.79	2.45	0.32	0.00	0.26	0.77	0.18	7.75
07				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08				0.08	0.08	0.69	2.22	0.35	0.00	0.23	0.70	0.15	7.10
09				0.04	0.04	0.30	0.99	0.16	0.00	0.10	0.31	0.06	3.16
10				0.13	0.14	1.18	3.72	0.46	0.00	0.39	1.17	0.28	11.71
11				0.05	0.05	0.44	1.40	0.11	0.00	0.15	0.43	0.12	4.29

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL034

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.16	0.17	1.16	4.57	0.60	0.01	0.53	1.68	0.30	14.85
02				0.20	0.20	1.40	5.38	0.72	0.01	0.62	1.91	0.35	17.65
03				0.12	0.12	0.84	3.21	0.42	0.00	0.37	1.18	0.20	10.44
04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05				0.14	0.14	0.95	3.88	0.48	0.01	0.45	1.47	0.25	12.72
06				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL037

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.11	0.12	0.64	3.17	0.57	0.01	0.36	1.18	0.15	10.75
02				0.08	0.09	0.49	2.41	0.41	0.00	0.27	0.88	0.11	8.21
03				0.08	0.09	0.48	2.39	0.40	0.00	0.26	0.87	0.11	8.14

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL038

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	60.5	5.94		0.12	0.13	0.64	3.54	0.71	0.01	0.41	1.08	0.16	12.77
02	45.5	5.88		0.12	0.13	0.64	3.57	0.71	0.01	0.41	1.08	0.16	12.86
03	47.7	7.21		0.11	0.12	0.51	3.10	0.66	0.01	0.39	1.17	0.14	11.68
04	16.5	6.18		0.12	0.12	0.58	3.39	0.69	0.01	0.42	1.25	0.15	12.62
05	52	6.35		0.12	0.13	0.59	3.39	0.69	0.01	0.41	1.20	0.15	12.60
06	14.2	5.12		0.13	0.13	0.67	3.68	0.71	0.01	0.45	1.32	0.16	13.56
07	36.2	4.16		0.12	0.13	0.65	3.47	0.66	0.01	0.42	1.23	0.15	12.81
08	80.3	5.84		0.11	0.11	0.53	3.11	0.63	0.01	0.39	1.19	0.14	11.67
09				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL039

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	37.5	4.58		0.11	0.11	0.55	3.03	0.61	0.01	0.37	1.07	0.13	11.04
02	15.7	3.44		0.08	0.08	0.40	2.22	0.45	0.00	0.27	0.73	0.10	8.01
03	36.9	3.27		0.08	0.08	0.41	2.24	0.45	0.00	0.27	0.73	0.10	8.05
04	36.4	4.62		0.11	0.11	0.56	3.09	0.61	0.01	0.37	1.01	0.14	11.09
05	17.7	3.52		0.08	0.08	0.38	2.13	0.43	0.00	0.26	0.71	0.10	7.70
06	23.4	3.09		0.08	0.08	0.40	2.16	0.43	0.00	0.26	0.76	0.09	7.86
07				0.06	0.07	0.39	1.84	0.31	0.00	0.20	0.51	0.09	6.33
08	15.7	4.79		0.11	0.11	0.55	3.05	0.62	0.01	0.37	1.00	0.14	10.99

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL040

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.05	0.05	0.29	1.43	0.23	0.00	0.18	0.59	0.06	5.20
02	1.8	3.20		0.07	0.08	0.37	2.09	0.41	0.00	0.26	0.80	0.09	7.77
03	8.8	3.56		0.07	0.07	0.35	2.03	0.41	0.00	0.25	0.76	0.09	7.57
04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05	9	2.61		0.07	0.07	0.37	2.05	0.39	0.00	0.26	0.79	0.09	7.61
06	22	5.63		0.14	0.14	0.68	3.84	0.75	0.01	0.48	1.47	0.17	14.25
07	29.3	5.73		0.13	0.14	0.66	3.74	0.74	0.01	0.48	1.45	0.17	13.98

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL041

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
1				0.06	0.05	0.22	1.41	0.28	0.00	0.20	0.65	0.06	4.88
2				0.06	0.06	0.31	1.82	0.27	0.00	0.24	0.90	0.07	6.61
3				0.08	0.07	0.29	1.87	0.38	0.00	0.27	0.87	0.08	6.49
4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5				0.08	0.07	0.31	2.01	0.40	0.00	0.29	0.93	0.08	6.99
6				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL042

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL043

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
1				0.07	0.07	0.37	1.90	0.30	0.00	0.25	0.86	0.08	7.01

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL044

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
1	23	4.39		0.11	0.11	0.53	3.02	0.58	0.01	0.39	1.22	0.13	11.27
2	24.2	5.81		0.14	0.14	0.68	3.90	0.76	0.01	0.51	1.60	0.17	14.64
3	30	5.81		0.14	0.13	0.64	3.69	0.73	0.01	0.48	1.51	0.16	13.87
4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL045

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL046

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
1	21.9	4.45		0.03	0.04	0.19	1.05	0.20	0.00	0.12	0.29	0.05	4.47
2	33.9	4.39		0.03	0.04	0.19	1.03	0.20	0.00	0.12	0.29	0.05	4.41
3	7.3	4.48		0.03	0.04	0.19	1.05	0.21	0.00	0.12	0.29	0.05	4.51
4	22.3	4.37		0.03	0.04	0.19	1.03	0.20	0.00	0.12	0.29	0.05	4.40
5	15.6	3.46		0.03	0.03	0.15	0.81	0.16	0.00	0.09	0.23	0.04	3.47
6	7.7	3.54		0.03	0.03	0.15	0.83	0.16	0.00	0.10	0.23	0.04	3.56

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL047

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
1	71.3	6.40		0.11	0.11	0.49	3.10	0.63	0.01	0.39	1.27	0.14	11.44
2	40.1	6.06		0.12	0.13	0.57	3.51	0.67	0.01	0.44	1.46	0.15	12.91

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL048

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
1	9	3.79		0.04	0.04	0.15	0.92	0.24	0.00	0.12	0.27	0.05	3.78
2	14.9	3.57		0.03	0.04	0.14	0.91	0.23	0.00	0.11	0.26	0.05	3.60
3	26	4.41		0.04	0.05	0.17	1.14	0.29	0.00	0.14	0.32	0.06	4.46
4	19.6	4.20		0.04	0.04	0.16	1.08	0.27	0.00	0.14	0.30	0.05	4.25
5	13.2	4.68		0.04	0.05	0.18	1.16	0.30	0.00	0.15	0.33	0.06	4.69
6	25.6	4.92		0.05	0.05	0.19	1.19	0.31	0.00	0.15	0.35	0.06	4.90

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL049

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.08	0.08	0.44	2.22	0.36	0.00	0.28	0.92	0.09	8.10

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL050

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
1	8.4	4.27		0.11	0.11	0.53	3.00	0.58	0.01	0.38	1.17	0.13	11.20
2	18.3	4.78		0.11	0.11	0.55	3.14	0.62	0.01	0.40	1.22	0.14	11.73
3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	22.7	5.96		0.14	0.14	0.69	3.93	0.77	0.01	0.50	1.53	0.18	14.70
5	38.8	5.96		0.14	0.14	0.68	3.91	0.77	0.01	0.51	1.61	0.17	14.71
6				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL051

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
1	23.4	4.44		0.04	0.05	0.17	1.15	0.29	0.00	0.14	0.32	0.06	4.49
2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	38.9	3.83		0.04	0.04	0.15	0.93	0.24	0.00	0.12	0.27	0.05	3.82
5	10.7	4.73		0.05	0.05	0.18	1.20	0.30	0.00	0.15	0.34	0.06	4.77

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL052

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
1	18.2	4.40		0.04	0.04	0.17	1.08	0.28	0.00	0.14	0.31	0.05	4.40
2	7	4.16		0.04	0.04	0.16	1.01	0.27	0.00	0.13	0.29	0.05	4.15
3	24.3	4.73		0.04	0.05	0.18	1.16	0.30	0.00	0.15	0.34	0.06	4.72
4	29.6	4.59		0.04	0.05	0.18	1.16	0.30	0.00	0.15	0.33	0.06	4.62
5	7.3	4.23		0.04	0.04	0.16	1.09	0.27	0.00	0.14	0.31	0.05	4.28
6	22.5	4.49		0.04	0.05	0.17	1.16	0.29	0.00	0.15	0.32	0.06	4.54
7	18.3	2.95		0.03	0.03	0.11	0.72	0.19	0.00	0.09	0.21	0.04	2.94
8	31	4.53		0.04	0.05	0.17	1.13	0.29	0.00	0.14	0.32	0.06	4.54

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: BL053

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
1	19.3	4.63		0.04	0.05	0.18	1.20	0.30	0.00	0.15	0.34	0.06	4.69
10	26.7	6.33		0.06	0.07	0.24	1.71	0.41	0.00	0.21	0.57	0.08	6.51
11	45.7	4.55		0.05	0.05	0.17	1.23	0.30	0.00	0.16	0.43	0.06	4.75
12	29.9	4.63		0.05	0.05	0.18	1.25	0.31	0.00	0.16	0.44	0.06	4.84
13	58.9	4.59		0.05	0.05	0.18	1.27	0.32	0.00	0.17	0.50	0.06	4.85
14	55.7	6.25		0.07	0.07	0.25	1.73	0.43	0.00	0.23	0.69	0.08	6.61
15	40	6.31		0.07	0.07	0.25	1.75	0.43	0.00	0.23	0.69	0.08	6.67
16	31.1	6.23		0.07	0.07	0.25	1.73	0.43	0.00	0.23	0.68	0.08	6.58
17	69.4	4.62		0.05	0.05	0.18	1.26	0.31	0.00	0.16	0.46	0.06	4.84
18	32.8	4.47		0.04	0.05	0.17	1.15	0.29	0.00	0.15	0.32	0.06	4.52
19	30.8	4.59		0.04	0.05	0.18	1.18	0.30	0.00	0.15	0.33	0.06	4.64
2	28.5	4.68		0.05	0.05	0.19	1.30	0.32	0.00	0.17	0.51	0.06	4.94
20	91.3	4.30		0.04	0.04	0.17	1.11	0.28	0.00	0.14	0.31	0.06	4.34
3	19.8	4.31		0.04	0.04	0.17	1.05	0.27	0.00	0.13	0.30	0.05	4.30
4	30.4	4.12		0.04	0.04	0.16	1.14	0.28	0.00	0.15	0.44	0.05	4.35
5	40.8	6.41		0.07	0.07	0.25	1.75	0.43	0.00	0.23	0.64	0.08	6.72
6	18.5	4.44		0.05	0.05	0.17	1.20	0.29	0.00	0.15	0.42	0.06	4.64
7	13.7	4.61		0.05	0.05	0.18	1.25	0.30	0.00	0.15	0.42	0.06	4.74
8	23.8	4.54		0.05	0.05	0.17	1.23	0.30	0.00	0.16	0.43	0.06	4.74
9	28.1	4.47		0.05	0.05	0.17	1.21	0.30	0.00	0.16	0.43	0.06	4.68

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F1033

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T1657-1				0.02	0.05	0.52	2.01	0.26	0.01	0.25	0.51	0.02	6.35
T1657-2				0.02	0.05	0.54	2.08	0.27	0.01	0.26	0.52	0.02	6.58
T1657-3				0.02	0.05	0.52	1.99	0.25	0.01	0.25	0.50	0.02	6.29

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F1056

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T880-11				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F1065

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T457-1				0.03	0.02	0.17	0.64	0.07	0.00	0.08	0.33	0.02	1.97
T457-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T457-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T457-4				0.03	0.02	0.19	0.68	0.09	0.00	0.11	0.39	0.01	2.17
T457-5				0.06	0.04	0.38	1.35	0.17	0.00	0.21	0.78	0.03	4.30
T457-6				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T457-7				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F1078

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T818-2				0.04	0.06	0.60	1.85	0.30	0.01	0.40	0.76	0.03	7.05
T818-3				0.08	0.08	0.69	2.13	0.34	0.01	0.48	1.05	0.04	8.12

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F1080

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T867-1				0.05	0.07	0.73	2.20	0.35	0.01	0.48	0.93	0.03	8.44
T867-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T867-4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T867-5				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T867-6				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T867-8				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T867-9				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F1085

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T700-1				0.02	0.05	0.51	1.94	0.25	0.01	0.24	0.49	0.02	6.14
T921-2				0.02	0.05	0.51	1.95	0.25	0.01	0.24	0.49	0.02	6.15

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F1151

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T1658-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T1658-2				0.05	0.09	0.90	3.18	0.44	0.01	0.51	1.04	0.04	10.84
T1658-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T1658-4				0.01	0.03	0.22	0.98	0.13	0.00	0.12	0.25	0.01	3.14
T1658-5				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F122

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T91-1				0.02	0.04	0.42	1.65	0.20	0.00	0.21	0.42	0.02	5.09
T91-2				0.02	0.05	0.52	2.05	0.25	0.01	0.27	0.52	0.02	6.33
T91-5				0.01	0.03	0.30	1.19	0.14	0.00	0.15	0.30	0.01	3.67
T91-6				0.02	0.04	0.37	1.46	0.18	0.00	0.19	0.37	0.02	4.49

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F1316

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T2530-1				0.02	0.04	0.45	1.76	0.22	0.01	0.23	0.50	0.02	5.37
T2530-2				0.02	0.05	0.48	1.85	0.23	0.01	0.25	0.52	0.02	5.67
T2530-3				0.04	0.08	0.80	3.09	0.38	0.01	0.41	0.87	0.04	9.44

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F1317

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T2531-1				0.02	0.03	0.32	1.25	0.16	0.00	0.17	0.35	0.01	3.81
T2531-2				0.02	0.03	0.34	1.31	0.16	0.00	0.17	0.37	0.02	4.02
T2531-3				0.02	0.03	0.34	1.34	0.17	0.00	0.18	0.38	0.02	4.09

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F1488

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T2665-1				0.02	0.05	0.40	1.69	0.25	0.01	0.27	0.48	0.02	5.71

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F155

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T366-1				0.02	0.05	0.52	2.03	0.25	0.01	0.27	0.57	0.02	6.21
T366-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T366-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T366-4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T366-5				0.02	0.05	0.46	1.78	0.22	0.01	0.24	0.50	0.02	5.46
T366-6				0.03	0.05	0.54	2.08	0.26	0.01	0.28	0.59	0.02	6.37
T366-7				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T366-8				0.03	0.05	0.55	2.12	0.26	0.01	0.28	0.60	0.02	6.47
T530-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T530-10				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T530-11				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T530-12				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T530-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T530-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T530-4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T530-5				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T530-6				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T530-7				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T530-8				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T530-9				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F166

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
374-17				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T374-1				0.02	0.04	0.45	1.74	0.21	0.01	0.22	0.44	0.02	5.44
T374-10				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T374-11				0.02	0.04	0.45	1.73	0.21	0.01	0.22	0.44	0.02	5.41
T374-13				0.02	0.05	0.46	1.78	0.22	0.01	0.23	0.45	0.02	5.52
T374-14				0.02	0.05	0.53	2.04	0.25	0.01	0.26	0.52	0.02	6.34
T374-15				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T374-18				0.02	0.05	0.49	1.90	0.23	0.01	0.24	0.49	0.02	5.97
T374-2				0.02	0.05	0.47	1.84	0.22	0.01	0.23	0.47	0.02	5.74
T374-21				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T374-22				0.02	0.04	0.43	1.68	0.20	0.00	0.21	0.43	0.02	5.23
T374-6				0.02	0.04	0.44	1.71	0.21	0.01	0.22	0.44	0.02	5.36
T374-8				0.02	0.04	0.45	1.75	0.21	0.01	0.22	0.44	0.02	5.46

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F167

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T1432-1				0.02	0.05	0.56	2.12	0.33	0.02	0.36	0.64	0.03	7.14
T1432-2				0.02	0.05	0.55	2.09	0.33	0.02	0.35	0.63	0.03	7.03
T1432-4				0.03	0.06	0.59	2.25	0.35	0.02	0.37	0.68	0.03	7.54
T1432-7				0.02	0.05	0.49	1.87	0.29	0.02	0.31	0.57	0.02	6.29

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F1672

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T356-1				0.14	0.16	1.60	5.95	0.80	0.03	0.91	2.34	0.09	19.57
T356-2				0.14	0.14	1.32	4.82	0.66	0.03	0.77	2.22	0.08	16.11
T356-3				0.14	0.14	1.32	4.82	0.66	0.03	0.77	2.23	0.08	16.10
T356-4				0.11	0.11	1.08	3.94	0.54	0.02	0.63	1.75	0.06	13.24
T356-5				0.14	0.14	1.33	4.84	0.66	0.03	0.77	2.23	0.08	16.18

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F1773

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T2905-1				0.04	0.09	0.74	2.94	0.45	0.01	0.57	0.94	0.04	10.72
T2905-2				0.03	0.08	0.65	2.57	0.40	0.01	0.49	0.82	0.03	9.34
T2905-3				0.04	0.09	0.72	2.86	0.44	0.01	0.55	0.92	0.04	10.45

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F1777

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T2909-1				0.02	0.03	0.30	1.08	0.17	0.01	0.21	0.41	0.02	3.88
T2909-2				0.01	0.02	0.14	0.62	0.10	0.01	0.10	0.18	0.01	2.18
T2909-4				0.01	0.01	0.12	0.52	0.08	0.01	0.09	0.15	0.01	1.83

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F1878

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T1444-2				0.02	0.06	0.55	2.26	0.30	0.01	0.33	0.61	0.02	7.27
T2717-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T2717-11				0.04	0.10	1.00	3.92	0.54	0.03	0.58	1.08	0.05	13.08
T2717-2				0.04	0.10	0.91	3.72	0.51	0.03	0.55	1.02	0.04	12.32
T2717-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T2717-4				0.02	0.05	0.46	1.78	0.22	0.01	0.23	0.45	0.02	5.55
T2717-5				0.04	0.10	0.85	3.65	0.53	0.03	0.55	1.02	0.04	12.37
T2717-6				0.02	0.05	0.48	1.87	0.23	0.01	0.24	0.48	0.02	5.87
T2717-7				0.02	0.06	0.53	2.17	0.34	0.02	0.36	0.64	0.02	7.34
T2717-8				0.03	0.07	0.70	2.73	0.33	0.01	0.35	0.70	0.03	8.41

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F201

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T345-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T345-10				0.11	0.12	1.14	4.19	0.54	0.01	0.71	1.75	0.06	13.54
T345-11				0.11	0.12	1.17	4.30	0.55	0.01	0.72	1.77	0.07	13.84
T345-12				0.10	0.12	1.13	4.14	0.53	0.01	0.69	1.71	0.06	13.35
T345-13				0.10	0.11	1.11	4.08	0.52	0.01	0.68	1.67	0.06	13.11
T345-14				0.11	0.13	1.24	4.63	0.58	0.01	0.66	1.86	0.07	14.39
T345-2				0.00	0.01	0.08	0.31	0.04	0.00	0.04	0.09	0.00	0.93
T345-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T345-5				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T345-6				0.11	0.07	0.73	2.56	0.32	0.01	0.40	1.48	0.05	8.16
T345-7				0.11	0.09	0.81	2.81	0.37	0.01	0.57	1.55	0.05	9.55
T345-8				0.11	0.09	0.83	2.88	0.38	0.01	0.55	1.61	0.06	9.63
T345-9				0.11	0.08	0.73	2.57	0.32	0.01	0.40	1.49	0.05	8.20

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F206

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T679-1				0.02	0.05	0.55	1.91	0.30	0.02	0.31	0.52	0.02	6.24

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F2080

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T354-2				0.02	0.06	0.55	2.17	0.28	0.01	0.30	0.60	0.02	6.73
T354-3				0.02	0.06	0.56	2.22	0.29	0.01	0.30	0.61	0.02	6.89
T66-1				0.03	0.07	0.70	2.88	0.38	0.01	0.40	0.78	0.03	8.96
T66-10				0.03	0.06	0.57	2.28	0.29	0.01	0.31	0.63	0.02	7.07
T66-11				0.02	0.06	0.57	2.24	0.29	0.01	0.31	0.62	0.02	6.97
T66-2				0.02	0.05	0.52	2.11	0.28	0.01	0.30	0.57	0.02	6.58
T66-3				0.02	0.06	0.54	2.20	0.29	0.01	0.31	0.60	0.02	6.84
T66-6				0.02	0.06	0.53	2.15	0.28	0.01	0.30	0.58	0.02	6.69
T66-8				0.05	0.09	0.89	3.22	0.45	0.01	0.53	1.05	0.04	10.83
T66-9				0.07	0.13	1.22	4.21	0.61	0.01	0.75	1.46	0.06	14.61

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F2146

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T633-7				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F225

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T633-2				0.02	0.06	0.56	2.33	0.31	0.01	0.33	0.63	0.03	7.25
T633-3				0.02	0.06	0.54	2.21	0.29	0.01	0.31	0.60	0.02	6.88
T633-4				0.01	0.04	0.33	1.38	0.18	0.00	0.19	0.37	0.01	4.28
T633-6				0.02	0.04	0.37	1.56	0.21	0.01	0.22	0.42	0.02	4.89
T633-7				0.07	0.14	1.27	4.86	0.68	0.02	0.77	1.47	0.06	16.36
T633-8				0.03	0.08	0.81	3.25	0.43	0.01	0.45	0.85	0.04	10.43

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F242

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T311-1				0.01	0.01	0.15	0.54	0.08	0.01	0.09	0.15	0.01	1.75
T311-4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T311-5				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T311-6				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T311-7				0.01	0.02	0.18	0.66	0.10	0.01	0.11	0.19	0.01	2.16

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F245

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T286-1				0.02	0.06	0.54	2.35	0.31	0.01	0.29	0.60	0.03	7.53
T286-10				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T286-12				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T286-2				0.03	0.07	0.62	2.68	0.35	0.01	0.33	0.69	0.03	8.58
T286-3				0.02	0.06	0.54	2.31	0.30	0.01	0.29	0.59	0.02	7.40
T286-9				0.02	0.06	0.53	2.33	0.31	0.01	0.29	0.60	0.02	7.45

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F247

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T683-1				0.02	0.05	0.45	1.91	0.30	0.02	0.32	0.56	0.02	6.50

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F252

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T406-1				0.02	0.05	0.50	1.91	0.24	0.01	0.24	0.48	0.02	6.03
T406-10				0.02	0.05	0.45	1.74	0.22	0.01	0.22	0.44	0.02	5.49
T406-11				0.01	0.04	0.39	1.51	0.19	0.00	0.19	0.38	0.02	4.77
T406-12				0.02	0.05	0.51	1.96	0.25	0.01	0.24	0.49	0.02	6.18
T406-13				0.02	0.06	0.56	2.16	0.27	0.01	0.27	0.54	0.02	6.82
T406-2				0.02	0.05	0.49	1.88	0.24	0.01	0.23	0.47	0.02	5.93
T406-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T406-4				0.02	0.05	0.47	1.82	0.23	0.01	0.23	0.46	0.02	5.75
T406-5				0.03	0.07	0.67	2.57	0.33	0.01	0.32	0.65	0.03	8.13
T406-6				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T406-7				0.02	0.05	0.48	1.86	0.24	0.01	0.23	0.47	0.02	5.87
T406-8				0.02	0.06	0.61	2.35	0.30	0.01	0.29	0.59	0.03	7.41
T406-9				0.02	0.05	0.55	2.10	0.27	0.01	0.26	0.53	0.02	6.62

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F259

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T283-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T283-10				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T283-13				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T283-14				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T283-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T283-5				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T283-9				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F262

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T674-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T674-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T674-3				0.01	0.03	0.30	1.26	0.17	0.01	0.18	0.34	0.01	4.04
T674-4				0.06	0.14	1.40	5.24	0.79	0.05	0.87	1.54	0.06	18.85
T674-5				0.02	0.05	0.50	2.05	0.27	0.01	0.30	0.55	0.02	6.61
T674-6				0.02	0.04	0.36	1.48	0.20	0.01	0.21	0.40	0.02	4.77

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F269

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T348-1				0.02	0.05	0.41	1.68	0.26	0.02	0.28	0.50	0.02	5.99
T348-4				0.02	0.04	0.37	1.44	0.22	0.02	0.24	0.42	0.02	5.14
T348-6				0.02	0.05	0.43	1.66	0.25	0.02	0.28	0.49	0.02	5.93

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F28

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T52-1				0.02	0.05	0.55	1.91	0.30	0.02	0.31	0.52	0.02	6.24
T52-1a				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T52-1b				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T52-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T52-4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T52-5				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F30

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T88				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T88-1				0.00	0.00	0.02	0.06	0.01	0.00	0.01	0.02	0.00	0.18

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F358

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T379-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T379-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T379-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F396

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T681-1				0.02	0.05	0.47	1.98	0.31	0.02	0.33	0.58	0.02	6.72

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F41

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T359-1				0.02	0.04	0.41	1.63	0.25	0.02	0.28	0.48	0.02	5.84
T359-2				0.02	0.04	0.37	1.45	0.22	0.02	0.24	0.43	0.02	5.16
T359-3				0.04	0.08	0.80	3.12	0.43	0.02	0.46	0.88	0.04	10.29
T359-4				0.04	0.10	0.94	3.65	0.51	0.03	0.55	1.04	0.04	12.13
T359-5				0.02	0.05	0.43	1.72	0.27	0.02	0.29	0.51	0.02	6.16
T359-6				0.05	0.10	1.00	3.90	0.54	0.03	0.59	1.12	0.05	12.87
T359-7				0.04	0.10	0.95	3.68	0.51	0.03	0.56	1.06	0.04	12.20

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F410

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T892-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T892-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T892-4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T892-5				0.02	0.05	0.38	1.71	0.23	0.00	0.22	0.43	0.02	5.49
T892-6				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T892-7				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F414

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T574-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T574-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F438

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T633-4				0.04	0.10	0.97	4.06	0.54	0.02	0.58	1.10	0.04	12.89
T633-5				0.03	0.06	0.57	2.39	0.32	0.01	0.34	0.65	0.03	7.53
T633-6				0.02	0.05	0.52	2.15	0.29	0.01	0.31	0.58	0.02	6.85
T637-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T637-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T637-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F486

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T561-1				0.04	0.10	0.81	3.51	0.48	0.01	0.51	0.95	0.04	11.68
T561-2				0.05	0.12	1.01	4.08	0.58	0.01	0.64	1.19	0.05	13.88
T561-3				0.03	0.08	0.60	2.72	0.36	0.01	0.35	0.68	0.03	8.74
T561-4				0.03	0.07	0.58	2.63	0.35	0.01	0.34	0.66	0.03	8.44
T561-5				0.01	0.03	0.21	0.95	0.13	0.00	0.12	0.24	0.01	3.05
T561-6				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T561-7				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T561-8				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F517

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T512-1				0.02	0.05	0.55	1.91	0.30	0.02	0.31	0.52	0.02	6.24

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F518

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T678-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T680-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T710-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F533

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T648-2				0.02	0.05	0.45	1.66	0.25	0.01	0.27	0.49	0.02	5.99

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F554

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T633-1				0.06	0.11	1.08	3.71	0.53	0.01	0.63	1.23	0.05	12.89
T633-10				0.02	0.05	0.49	1.89	0.24	0.01	0.24	0.48	0.02	5.96
T633-2				0.06	0.11	1.07	3.66	0.52	0.01	0.62	1.21	0.05	12.73
T633-3				0.06	0.11	1.07	3.86	0.55	0.01	0.65	1.21	0.05	13.35
T633-4				0.06	0.11	1.07	3.80	0.55	0.01	0.64	1.21	0.05	13.21
T633-5				0.05	0.11	1.07	3.89	0.55	0.01	0.62	1.17	0.05	13.28
T633-6				0.04	0.07	0.65	1.96	0.31	0.01	0.43	0.83	0.03	7.52
T633-7				0.05	0.11	1.05	3.63	0.51	0.01	0.60	1.17	0.05	12.47
T633-8				0.03	0.07	0.72	2.62	0.35	0.01	0.38	0.75	0.03	8.63
T633-9				0.02	0.06	0.56	2.15	0.27	0.01	0.27	0.54	0.02	6.77

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F564

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T679-1				0.02	0.05	0.46	2.03	0.31	0.02	0.34	0.60	0.02	6.94

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F71

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T269-1				0.02	0.05	0.55	1.91	0.30	0.02	0.31	0.52	0.02	6.24

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F722

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T650-1				0.02	0.05	0.48	2.07	0.32	0.02	0.34	0.61	0.02	7.06

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F736

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T856-1				0.01	0.02	0.22	0.77	0.12	0.01	0.13	0.21	0.01	2.49
T929-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T929-2				0.01	0.02	0.22	0.77	0.12	0.01	0.13	0.21	0.01	2.49

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F754

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T324				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T324-1				0.02	0.03	0.49	1.43	0.23	0.00	0.23	0.42	0.02	4.47
T357				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T357-1				0.02	0.03	0.49	1.43	0.23	0.00	0.23	0.42	0.02	4.47
T948				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T948-1				0.02	0.03	0.49	1.44	0.23	0.00	0.23	0.43	0.02	4.38

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F7901

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T12340-1				0.05	0.08	0.79	2.39	0.38	0.01	0.53	1.01	0.04	9.15
T12340-2				0.05	0.08	0.77	2.32	0.37	0.01	0.51	0.98	0.04	8.89
T12340-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T12340-4				0.01	0.02	0.21	0.64	0.10	0.00	0.14	0.27	0.01	2.45

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F792

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T975-1				0.16	0.18	1.65	6.43	0.86	0.02	0.99	2.41	0.11	21.17
T975-2				0.17	0.18	1.69	6.36	0.83	0.02	0.94	2.46	0.11	20.63
T975-3				0.14	0.17	1.63	5.97	0.81	0.02	0.96	2.38	0.09	19.68
T975-4				0.17	0.18	1.68	6.29	0.83	0.02	0.95	2.42	0.11	20.54
T975-5				0.15	0.18	1.63	6.16	0.82	0.02	0.95	2.37	0.10	20.21
T975-6				0.13	0.14	1.34	4.96	0.63	0.01	0.72	2.13	0.08	15.61

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F793

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T976-1				0.13	0.18	1.63	6.19	0.84	0.02	1.00	2.38	0.09	20.48
T976-2				0.14	0.18	1.65	6.26	0.84	0.02	1.01	2.43	0.09	20.68

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F8058

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
T12504-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F83

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
T90-1				0.03	0.07	0.66	2.57	0.32	0.01	0.34	0.73	0.03	7.86
T90-2				0.02	0.05	0.48	1.89	0.23	0.01	0.25	0.48	0.02	5.83
T90-3				0.02	0.04	0.41	1.58	0.19	0.00	0.21	0.40	0.02	4.88
T90-4				0.02	0.04	0.44	1.73	0.21	0.01	0.23	0.44	0.02	5.35
T90-5				0.02	0.04	0.37	1.44	0.17	0.00	0.19	0.37	0.02	4.46
T90-6				0.04	0.08	0.78	3.03	0.38	0.01	0.40	0.86	0.03	9.27

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F866

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T1034-1				0.02	0.05	0.38	1.52	0.23	0.00	0.31	0.50	0.02	5.69
T1034-2				0.02	0.04	0.33	1.32	0.20	0.00	0.27	0.43	0.02	4.94
T1034-3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T1034-4				0.02	0.04	0.31	1.25	0.19	0.00	0.25	0.41	0.02	4.67
T1034-5				0.02	0.05	0.36	1.45	0.22	0.00	0.29	0.47	0.02	5.44

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F95

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T339-1				0.04	0.09	0.91	3.49	0.48	0.02	0.52	0.97	0.04	11.20
T339-2				0.04	0.09	0.91	3.50	0.50	0.03	0.53	0.99	0.04	11.31
T339-3				0.04	0.09	0.91	3.50	0.49	0.02	0.52	0.98	0.04	11.28
T339-4				0.02	0.05	0.55	2.13	0.26	0.01	0.28	0.54	0.02	6.58
T339-5				0.02	0.05	0.49	1.85	0.29	0.02	0.31	0.56	0.02	6.22
T339-6				0.04	0.09	0.92	3.55	0.49	0.02	0.53	0.99	0.04	11.45
T339-7				0.04	0.08	0.86	3.29	0.48	0.03	0.51	0.94	0.04	10.78
T358-3				0.02	0.04	0.37	1.46	0.18	0.00	0.19	0.37	0.02	4.50

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: F994

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
T1309-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: FTHE1

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
THE1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: GY001

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
03				0.14	0.11	0.70	3.18	0.60	0.01	0.47	1.42	0.12	10.92
04				0.20	0.16	1.21	4.95	0.68	0.01	0.66	2.25	0.17	16.60
05				0.18	0.13	0.95	4.10	0.65	0.01	0.52	1.75	0.15	13.40
06				0.10	0.07	0.63	2.40	0.26	0.00	0.27	1.06	0.07	7.32

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: GY002

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01	34.4	4.63		0.04	0.05	0.17	1.12	0.27	0.00	0.13	0.33	0.05	4.48
02	15.9	4.54		0.04	0.05	0.17	1.09	0.27	0.00	0.13	0.32	0.05	4.38
03	47	4.64		0.04	0.05	0.17	1.12	0.27	0.00	0.13	0.33	0.05	4.49
04				0.06	0.04	0.42	1.40	0.15	0.00	0.16	0.54	0.07	4.37
05				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08				0.06	0.04	0.40	1.35	0.15	0.00	0.15	0.52	0.07	4.24
09	145	4.77		0.10	0.09	0.61	2.49	0.36	0.00	0.27	0.84	0.12	8.96

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: GY004

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	25.2	4.43		0.03	0.04	0.18	1.04	0.19	0.00	0.11	0.29	0.04	4.34
02	89.1	4.31		0.03	0.04	0.18	1.01	0.18	0.00	0.11	0.28	0.04	4.23
03	48.3	4.47		0.03	0.04	0.18	1.05	0.19	0.00	0.11	0.29	0.04	4.37
04	42.6	4.46		0.03	0.04	0.18	1.05	0.19	0.00	0.11	0.29	0.04	4.37

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: GY005

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.09	0.06	0.58	1.96	0.21	0.00	0.22	0.76	0.10	6.14
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03				0.06	0.04	0.42	1.40	0.15	0.00	0.16	0.54	0.07	4.37

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: GY006

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	10.8	3.04		0.10	0.08	0.57	2.28	0.34	0.00	0.26	0.82	0.11	7.79
02	22.7	2.62		0.10	0.08	0.64	2.44	0.35	0.00	0.28	0.89	0.12	8.20
03	65.9	4.25		0.12	0.10	0.73	2.94	0.45	0.00	0.34	1.03	0.15	10.14

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: GY007

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	43	4.33		0.12	0.10	0.69	2.82	0.43	0.00	0.32	0.98	0.14	9.79
02	13.8	0.96		0.01	0.01	0.04	0.23	0.05	0.00	0.03	0.07	0.01	0.93
03	11.6	2.03		0.02	0.02	0.07	0.49	0.12	0.00	0.06	0.14	0.02	1.96

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: GY008

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
01				0.11	0.12	0.82	3.23	0.52	0.00	0.36	1.25	0.17	10.88
02				0.08	0.08	0.55	2.23	0.36	0.00	0.25	0.88	0.11	7.54
03				0.08	0.08	0.58	2.27	0.37	0.00	0.25	0.88	0.12	7.64
04				0.08	0.09	0.59	2.36	0.38	0.00	0.26	0.92	0.12	7.95
05				0.11	0.12	0.82	3.26	0.52	0.01	0.36	1.26	0.17	10.97
06				0.11	0.12	0.82	3.26	0.52	0.01	0.37	1.28	0.17	11.02
07				0.07	0.08	0.54	2.15	0.35	0.00	0.24	0.84	0.11	7.26
08				0.04	0.05	0.24	1.33	0.20	0.00	0.17	0.65	0.05	4.73
09				0.09	0.09	0.62	2.44	0.39	0.00	0.27	0.94	0.13	8.23
10				0.08	0.09	0.58	2.34	0.38	0.00	0.26	0.92	0.12	7.92
11				0.04	0.04	0.33	1.06	0.18	0.00	0.11	0.33	0.07	3.43

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: GY011

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	17.4	3.21		0.09	0.10	0.58	2.55	0.50	0.00	0.26	0.75	0.13	9.04
02	50.1	4.43		0.03	0.04	0.19	1.04	0.20	0.00	0.12	0.30	0.05	4.41
03				0.05	0.06	0.35	1.42	0.28	0.00	0.14	0.42	0.08	4.61
04	32	3.50		0.09	0.10	0.60	2.63	0.52	0.00	0.27	0.77	0.14	9.37
05	55.9	3.50		0.07	0.08	0.51	2.08	0.39	0.00	0.22	0.62	0.11	7.47

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: GY012

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	32.4	2.75		0.07	0.07	0.38	1.77	0.38	0.00	0.18	0.53	0.09	6.28
02	14.2	4.13		0.09	0.09	0.46	2.25	0.49	0.00	0.24	0.67	0.11	8.08

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: GY013

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.07	0.06	0.32	1.68	0.38	0.00	0.24	0.68	0.07	5.98
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03				0.07	0.07	0.39	2.01	0.32	0.00	0.26	0.88	0.08	7.32

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: GY014

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	48.1	4.34		0.04	0.04	0.16	1.04	0.25	0.00	0.12	0.31	0.05	4.19
02	11.7	4.45		0.04	0.05	0.16	1.07	0.25	0.00	0.12	0.32	0.05	4.30
03	9.6	4.07		0.04	0.04	0.15	0.98	0.23	0.00	0.11	0.29	0.04	3.93

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: GY015

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	31.8	4.54		0.03	0.04	0.18	1.06	0.19	0.00	0.11	0.29	0.04	4.43
02	5.7	4.50		0.03	0.04	0.18	1.05	0.19	0.00	0.11	0.29	0.04	4.39
03				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04	24.4	4.21		0.03	0.04	0.17	0.98	0.17	0.00	0.10	0.27	0.04	4.11
05	17.3	4.45		0.03	0.04	0.18	1.04	0.18	0.00	0.11	0.29	0.04	4.35
06	63.7	4.39		0.03	0.04	0.17	1.02	0.18	0.00	0.10	0.28	0.04	4.28

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: GY016

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	23.3	4.73		0.04	0.04	0.19	1.10	0.19	0.00	0.11	0.31	0.05	4.59
3	36.3	4.83		0.04	0.05	0.19	1.13	0.20	0.00	0.11	0.31	0.05	4.71
4	34.1	5.02		0.04	0.05	0.20	1.17	0.21	0.00	0.12	0.33	0.05	4.90

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA001

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.05	0.10	0.93	3.34	0.51	0.02	0.58	1.11	0.04	11.55
02				0.03	0.07	0.63	2.52	0.37	0.02	0.38	0.72	0.03	8.33
03				0.07	0.09	0.90	3.53	0.48	0.02	0.49	1.17	0.06	11.37

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA004

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06	22.2	4.36		0.11	0.11	0.81	3.11	0.38	0.00	0.34	0.93	0.21	10.75
07	9.6	4.23		0.10	0.10	0.73	2.83	0.35	0.00	0.31	0.85	0.19	9.87
08				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09				0.08	0.08	0.52	2.07	0.22	0.00	0.27	0.71	0.18	6.34
10	28.8	4.25		0.11	0.11	0.64	2.84	0.38	0.00	0.35	0.92	0.21	9.87
11	33.4	4.21		0.11	0.12	0.86	3.23	0.39	0.00	0.36	0.98	0.21	11.10
12	32.5	3.91		0.08	0.09	0.62	2.40	0.31	0.00	0.26	0.73	0.15	8.45
13	36.4	4.37		0.09	0.09	0.60	2.48	0.33	0.00	0.28	0.76	0.16	8.83

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA005

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	29.3	4.09		0.03	0.04	0.18	0.96	0.18	0.00	0.11	0.27	0.04	4.07
02	13.6	3.18		0.14	0.15	0.96	3.84	0.57	0.01	0.42	1.18	0.26	13.15

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA006

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02	6.1	3.39		0.11	0.12	0.78	3.11	0.45	0.00	0.35	0.96	0.21	10.78
03	12.1	3.66		0.11	0.12	0.76	3.05	0.45	0.00	0.34	0.94	0.21	10.67
04	8.7	2.94		0.13	0.14	0.88	3.61	0.54	0.01	0.40	1.10	0.24	12.40
05	24	2.42		0.11	0.12	0.75	3.12	0.47	0.00	0.35	0.95	0.20	10.70
06	27.8	3.00		0.13	0.13	0.85	3.52	0.52	0.01	0.40	1.07	0.23	12.09

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA007

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	12.5	3.67		0.15	0.15	1.04	4.09	0.58	0.01	0.44	1.27	0.23	14.03
02	14.5	3.79		0.15	0.15	1.06	4.16	0.59	0.01	0.45	1.29	0.23	14.29
03	22	4.18		0.12	0.12	0.81	3.32	0.49	0.01	0.36	1.01	0.18	11.69
04	33.4	4.01		0.12	0.12	0.83	3.31	0.48	0.01	0.36	1.00	0.19	11.60

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA012

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01	31	2.28		0.10	0.11	0.79	3.12	0.44	0.00	0.34	0.91	0.20	10.63

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA013

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	12.7	3.00		0.11	0.12	0.81	3.24	0.46	0.01	0.35	0.95	0.20	11.19

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA016

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
01				0.15	0.17	1.22	5.14	0.81	0.01	0.68	1.61	0.20	16.55
02				0.13	0.12	0.76	3.19	0.56	0.01	0.44	1.13	0.19	10.38
03				0.14	0.12	0.77	3.12	0.54	0.00	0.37	1.08	0.20	9.96
09				0.09	0.10	0.65	2.77	0.52	0.01	0.32	0.81	0.11	8.83
10				0.12	0.12	0.74	3.15	0.66	0.01	0.47	1.13	0.13	10.78
11				0.07	0.08	0.35	1.86	0.42	0.00	0.23	0.58	0.09	6.19
12				0.10	0.12	0.78	3.43	0.64	0.02	0.45	1.03	0.15	11.02
13				0.14	0.15	1.04	4.23	0.62	0.02	0.59	1.49	0.21	13.72
14				0.10	0.11	0.90	3.33	0.54	0.02	0.49	1.18	0.14	11.19
15				0.10	0.11	0.85	3.14	0.47	0.01	0.42	1.01	0.19	10.32
16				0.10	0.12	0.88	3.27	0.50	0.01	0.43	1.05	0.20	10.74
19				0.11	0.12	0.81	3.25	0.52	0.01	0.44	1.05	0.17	10.71

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA018

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02	38.9	2.69		0.15	0.16	0.78	4.23	0.86	0.01	0.50	1.50	0.20	14.70
03	26.8	3.96		0.10	0.11	0.76	3.10	0.43	0.00	0.32	0.91	0.19	10.77
04				0.11	0.12	0.76	3.21	0.51	0.00	0.38	1.13	0.20	10.51

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA019

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.06	0.07	0.42	1.89	0.35	0.00	0.18	0.51	0.09	6.25
02				0.05	0.06	0.36	1.71	0.31	0.00	0.17	0.48	0.08	5.69
03				0.05	0.06	0.37	1.74	0.31	0.00	0.17	0.49	0.08	5.80
04				0.05	0.06	0.36	1.72	0.31	0.00	0.17	0.48	0.08	5.70
05				0.05	0.06	0.33	1.59	0.28	0.00	0.16	0.45	0.08	5.27

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA024

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.10	0.10	0.75	2.87	0.40	0.00	0.30	0.89	0.16	9.24

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA025

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.11	0.11	0.96	3.63	0.47	0.01	0.42	1.12	0.14	11.48
02				0.06	0.04	0.39	1.32	0.14	0.00	0.15	0.49	0.07	4.16

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA026

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	42.4	3.82		0.11	0.13	0.86	3.46	0.52	0.01	0.37	1.01	0.21	12.08
02	26	3.90		0.11	0.13	0.86	3.44	0.52	0.01	0.37	1.01	0.22	12.07
03				0.07	0.07	0.58	2.08	0.27	0.00	0.22	0.62	0.14	6.70
04				0.03	0.04	0.21	0.96	0.17	0.00	0.10	0.27	0.05	3.19
05				0.06	0.07	0.52	1.84	0.24	0.00	0.19	0.55	0.13	5.91
06				0.07	0.07	0.54	2.07	0.30	0.00	0.21	0.61	0.13	6.72

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA028

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
01				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02				0.02	0.02	0.15	0.49	0.05	0.00	0.05	0.16	0.03	1.53
03				0.05	0.04	0.38	1.27	0.11	0.00	0.14	0.41	0.09	3.94
04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA031

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	22.2	2.64		0.08	0.09	0.49	2.40	0.44	0.00	0.25	0.68	0.11	8.53
02	8.5	2.35		0.07	0.09	0.47	2.30	0.42	0.00	0.24	0.65	0.11	8.13
03	12.9	2.56		0.08	0.09	0.50	2.44	0.45	0.00	0.25	0.69	0.12	8.66

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA032

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	19.8	2.73		0.14	0.15	1.00	3.90	0.57	0.01	0.43	1.21	0.27	13.13
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA033

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.02	0.02	0.19	0.61	0.06	0.00	0.07	0.21	0.04	1.90
02				0.04	0.03	0.29	0.92	0.09	0.00	0.10	0.32	0.06	2.89
03				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA034

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.02	0.02	0.13	0.61	0.12	0.00	0.06	0.17	0.03	1.97

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA037

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	23	3.99		0.06	0.08	0.40	2.04	0.38	0.00	0.22	0.57	0.10	7.68
02	20.3	0.77		0.01	0.02	0.09	0.44	0.08	0.00	0.05	0.12	0.02	1.64

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA043

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
01				0.12	0.13	0.70	3.62	0.58	0.01	0.42	1.34	0.16	12.54
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA044

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	13.8	2.61		0.09	0.10	0.46	2.49	0.54	0.00	0.30	0.76	0.13	8.89
02	8.3	2.80		0.09	0.10	0.47	2.55	0.55	0.00	0.31	0.77	0.13	9.12
03	10.6	2.49		0.09	0.10	0.47	2.51	0.55	0.00	0.31	0.76	0.13	8.93
04	5.8	2.67		0.09	0.10	0.46	2.49	0.54	0.00	0.30	0.75	0.12	8.88
05	10.5	3.28		0.09	0.10	0.45	2.44	0.53	0.00	0.29	0.73	0.12	8.86

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA045

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA046

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	14.9	4.21		0.04	0.04	0.16	1.01	0.25	0.00	0.12	0.30	0.05	4.06
02	30.5	4.15		0.04	0.04	0.15	1.00	0.24	0.00	0.12	0.29	0.04	4.01
03	28.3	4.12		0.04	0.04	0.15	0.99	0.24	0.00	0.12	0.29	0.04	3.98
04	17.1	4.14		0.04	0.04	0.15	1.00	0.24	0.00	0.12	0.29	0.04	4.00
05	25.4	3.88		0.04	0.04	0.15	0.94	0.23	0.00	0.11	0.27	0.04	3.75
06	24.7	4.16		0.04	0.04	0.16	1.00	0.24	0.00	0.12	0.29	0.04	4.02
07	66.4	3.70		0.03	0.04	0.14	0.89	0.22	0.00	0.10	0.26	0.04	3.57

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: HA047

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	42.4	4.25		0.04	0.04	0.16	1.03	0.25	0.00	0.12	0.30	0.05	4.11
02	33	4.14		0.04	0.04	0.15	1.00	0.24	0.00	0.12	0.29	0.04	4.00
03	43	4.17		0.04	0.04	0.16	1.01	0.24	0.00	0.12	0.30	0.04	4.03
04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05	20.5	4.16		0.04	0.04	0.16	1.02	0.26	0.00	0.12	0.30	0.05	4.08
06	23.2	2.23		0.02	0.02	0.09	0.54	0.14	0.00	0.07	0.16	0.03	2.18
07	14.9	3.65		0.03	0.04	0.14	0.89	0.22	0.00	0.11	0.26	0.04	3.56

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR001

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
05				0.11	0.15	1.32	5.17	0.67	0.01	0.76	1.72	0.10	17.08
06				0.11	0.15	1.33	5.18	0.67	0.01	0.75	1.72	0.10	17.11
07				0.04	0.10	0.90	3.54	0.50	0.01	0.57	1.02	0.04	12.18
08				0.04	0.08	0.70	2.36	0.38	0.01	0.50	0.89	0.03	8.93
09				0.04	0.07	0.62	2.21	0.35	0.01	0.46	0.80	0.03	8.33
10				0.17	0.15	1.29	4.41	0.59	0.01	0.57	1.62	0.25	14.34

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR003

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.06	0.08	0.83	3.13	0.37	0.01	0.38	0.94	0.06	9.73
02				0.08	0.11	0.89	3.76	0.48	0.01	0.48	1.08	0.10	12.01
03				0.08	0.11	0.91	3.77	0.48	0.01	0.48	1.10	0.10	12.02
04				0.08	0.11	0.90	3.73	0.47	0.01	0.47	1.09	0.10	11.90
05				0.07	0.11	0.84	3.47	0.44	0.01	0.44	1.02	0.10	11.09
06				0.08	0.11	1.03	3.98	0.48	0.01	0.48	1.18	0.08	12.47
07				0.07	0.10	0.96	3.74	0.45	0.01	0.46	1.08	0.07	11.74
08				0.07	0.11	0.95	3.69	0.46	0.01	0.47	1.06	0.10	11.67

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR004

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.09	0.12	1.13	4.22	0.50	0.01	0.50	1.29	0.09	13.16
02				0.09	0.12	1.13	4.24	0.50	0.01	0.51	1.29	0.09	13.24
03				0.04	0.03	0.29	1.03	0.11	0.00	0.11	0.41	0.04	3.15

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR005

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.14	0.13	1.13	4.03	0.55	0.01	0.43	1.37	0.19	12.71
02				0.13	0.10	0.90	3.16	0.38	0.00	0.33	1.18	0.16	9.83
03				0.19	0.20	1.72	6.58	0.83	0.01	0.73	2.18	0.22	20.68
04				0.14	0.16	1.41	5.37	0.68	0.01	0.61	1.70	0.19	17.00
05				0.15	0.17	1.48	5.72	0.73	0.01	0.65	1.80	0.19	18.08

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR008

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.01	0.01	0.08	0.55	0.09	0.00	0.09	0.16	0.01	8.64
02				0.01	0.01	0.08	0.55	0.09	0.00	0.09	0.16	0.01	8.64
03				0.01	0.01	0.08	0.55	0.09	0.00	0.09	0.16	0.01	8.64
04				0.01	0.01	0.08	0.55	0.09	0.00	0.09	0.16	0.01	8.64
05				0.01	0.01	0.08	0.55	0.09	0.00	0.09	0.16	0.01	8.64
06				0.01	0.01	0.08	0.55	0.09	0.00	0.09	0.16	0.01	8.64
07				0.01	0.01	0.08	0.55	0.09	0.00	0.09	0.16	0.01	8.64
08				0.01	0.01	0.08	0.55	0.09	0.00	0.09	0.16	0.01	8.64
09				0.01	0.01	0.08	0.55	0.09	0.00	0.09	0.16	0.01	8.64
10				0.01	0.01	0.08	0.55	0.09	0.00	0.09	0.16	0.01	8.64

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR009

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.10	0.13	1.14	4.36	0.57	0.01	0.55	1.25	0.18	13.39
02				0.07	0.09	0.81	3.19	0.42	0.01	0.41	0.92	0.13	9.70
03				0.10	0.13	1.14	4.35	0.57	0.01	0.55	1.25	0.18	13.36
04				0.13	0.16	1.42	5.24	0.68	0.01	0.65	1.54	0.26	16.14
05				0.09	0.12	1.04	4.01	0.53	0.01	0.51	1.15	0.16	12.29
06				0.11	0.14	1.22	4.62	0.60	0.01	0.58	1.33	0.20	14.19
07				0.11	0.14	1.27	4.79	0.63	0.01	0.60	1.39	0.22	14.73
08				0.11	0.13	1.11	4.18	0.55	0.01	0.53	1.23	0.21	12.80

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR011

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	97.5	2.46		0.21	0.18	1.36	5.42	0.72	0.01	0.62	2.13	0.29	18.09
02	47	2.52		0.21	0.18	1.32	5.28	0.71	0.01	0.60	2.07	0.28	17.65
03				0.09	0.09	0.62	2.41	0.34	0.00	0.29	0.96	0.17	8.04
04				0.09	0.08	0.60	2.33	0.33	0.00	0.28	0.93	0.16	7.78
05				0.09	0.08	0.57	2.20	0.31	0.00	0.26	0.87	0.15	7.30
06				0.12	0.12	0.89	3.38	0.47	0.00	0.38	1.30	0.22	11.33
07				0.09	0.08	0.62	2.37	0.34	0.00	0.27	0.91	0.15	8.01
08				0.20	0.12	0.94	3.83	0.48	0.01	0.48	1.90	0.14	11.54
09				0.09	0.09	0.60	2.38	0.37	0.00	0.27	0.92	0.15	8.20
10				0.09	0.09	0.62	2.44	0.36	0.00	0.28	0.94	0.14	8.27
11	29.5	2.44		0.16	0.15	1.08	4.43	0.65	0.01	0.51	1.75	0.22	15.24
12	54.1	2.42		0.27	0.22	1.71	6.64	0.92	0.01	0.77	2.79	0.29	22.01
13				0.12	0.12	0.85	3.29	0.48	0.00	0.37	1.25	0.19	11.03
14	19.4	3.05		0.11	0.12	0.77	3.22	0.51	0.01	0.36	1.17	0.18	11.50
15	27.4	2.98		0.11	0.11	0.75	3.11	0.49	0.00	0.35	1.11	0.18	11.08
16	156	1.89		0.21	0.13	1.15	4.34	0.55	0.01	0.51	1.96	0.15	13.80

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR012

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.06	0.05	0.44	1.38	0.18	0.00	0.15	0.46	0.12	4.31
02				0.08	0.07	0.60	1.88	0.25	0.00	0.21	0.63	0.17	5.88
03				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04				0.13	0.11	0.94	3.09	0.36	0.00	0.35	1.12	0.21	9.66
07				0.10	0.08	0.71	2.35	0.27	0.00	0.26	0.86	0.16	7.34

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR013

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.06	0.05	0.45	1.43	0.18	0.00	0.16	0.48	0.13	4.48

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR014

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.08	0.07	0.61	1.94	0.24	0.00	0.22	0.65	0.18	6.07
02				0.08	0.07	0.63	1.99	0.25	0.00	0.22	0.67	0.18	6.23

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR015

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.08	0.07	0.57	1.82	0.23	0.00	0.20	0.61	0.17	5.70

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR016

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.08	0.07	0.60	1.91	0.24	0.00	0.22	0.64	0.18	6.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR017

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
01				0.03	0.07	0.64	2.66	0.35	0.01	0.33	0.68	0.03	8.51
02				0.14	0.13	1.12	4.16	0.52	0.01	0.60	1.78	0.13	13.31
03				0.16	0.15	1.25	4.63	0.58	0.01	0.66	1.96	0.16	14.78

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR018

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.01	0.04	0.32	1.38	0.18	0.00	0.17	0.35	0.01	4.42
02				0.02	0.04	0.36	1.58	0.21	0.00	0.20	0.40	0.02	5.06
03				0.03	0.07	0.57	2.47	0.32	0.01	0.31	0.63	0.03	7.92
04				0.00	0.01	0.07	0.30	0.04	0.00	0.04	0.08	0.00	0.96
T637-1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T637-10				0.02	0.04	0.36	1.58	0.21	0.00	0.20	0.40	0.02	5.06
T637-11				0.03	0.07	0.57	2.47	0.32	0.01	0.31	0.63	0.03	7.92
T637-12				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T637-13				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T637-14				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T637-16				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T637-17				0.00	0.01	0.07	0.30	0.04	0.00	0.04	0.08	0.00	0.96
T637-2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T637-3				0.01	0.03	0.26	1.13	0.15	0.00	0.14	0.29	0.01	3.60
T637-4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T637-5				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T637-6				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T637-7				0.01	0.04	0.32	1.38	0.18	0.00	0.17	0.35	0.01	4.42
T637-8				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
T637-9				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR019

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.06	0.05	0.43	1.37	0.17	0.00	0.15	0.46	0.13	4.28
02				0.05	0.05	0.40	1.28	0.16	0.00	0.14	0.43	0.12	4.01

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR020

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
01				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04				0.08	0.07	0.61	1.93	0.24	0.00	0.22	0.65	0.18	6.05
05				0.08	0.07	0.59	1.86	0.23	0.00	0.21	0.62	0.17	5.83
06				0.08	0.07	0.60	1.90	0.24	0.00	0.21	0.64	0.18	5.95
07				0.08	0.07	0.60	1.91	0.24	0.00	0.22	0.64	0.18	5.99

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR021

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.16	0.14	0.90	3.90	0.66	0.01	0.49	1.52	0.27	12.82
02				0.16	0.14	0.90	3.84	0.67	0.01	0.48	1.50	0.27	12.76
03				0.14	0.13	0.75	3.40	0.64	0.01	0.44	1.37	0.23	11.48

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR022

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.01	0.01	0.12	0.39	0.07	0.00	0.06	0.11	0.01	1.28

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR023

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.10	0.09	0.70	2.31	0.33	0.00	0.26	0.77	0.20	7.32
02				0.09	0.08	0.72	2.24	0.29	0.00	0.23	0.70	0.18	7.19
03				0.10	0.09	0.70	2.37	0.34	0.00	0.26	0.79	0.20	7.54
04				0.10	0.09	0.80	2.49	0.33	0.00	0.25	0.78	0.20	8.00
05				0.08	0.07	0.55	1.84	0.27	0.00	0.20	0.61	0.16	5.88
06				0.07	0.07	0.59	1.84	0.24	0.00	0.19	0.58	0.15	5.90
07				0.08	0.07	0.64	2.01	0.26	0.00	0.20	0.63	0.16	6.47
08				0.06	0.05	0.47	1.46	0.19	0.00	0.15	0.46	0.12	4.69
09				0.06	0.06	0.50	1.55	0.20	0.00	0.16	0.49	0.13	4.98
10				0.06	0.05	0.48	1.49	0.20	0.00	0.15	0.47	0.12	4.79
11				0.06	0.05	0.40	1.33	0.19	0.00	0.15	0.44	0.12	4.25
12				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13				0.06	0.05	0.39	1.31	0.19	0.00	0.15	0.44	0.11	4.18
14				0.07	0.06	0.55	1.71	0.22	0.00	0.17	0.54	0.14	5.51
15				0.10	0.08	0.66	2.23	0.32	0.00	0.25	0.74	0.19	7.11

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR024

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.09	0.09	0.76	2.41	0.33	0.00	0.25	0.76	0.19	7.81
02				0.10	0.09	0.80	2.54	0.35	0.00	0.26	0.80	0.20	8.23
03				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05				0.10	0.09	0.81	2.57	0.35	0.00	0.27	0.81	0.20	8.33
06				0.06	0.06	0.50	1.58	0.21	0.00	0.16	0.50	0.12	5.11
07				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR027

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.08	0.07	0.57	1.81	0.24	0.00	0.20	0.60	0.16	5.66
02				0.08	0.07	0.59	1.87	0.25	0.00	0.21	0.62	0.17	5.83
03				0.08	0.07	0.56	1.77	0.24	0.00	0.20	0.59	0.16	5.52
04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR028

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.08	0.08	0.59	2.31	0.34	0.00	0.26	0.89	0.13	7.78

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MR029

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01	77.5	0.44		0.02	0.02	0.08	0.53	0.12	0.00	0.07	0.22	0.02	1.90

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MS001

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.14	0.14	0.93	3.77	0.51	0.01	0.45	1.48	0.27	12.59
02				0.16	0.16	1.17	4.34	0.61	0.01	0.50	1.61	0.30	14.27
03				0.16	0.15	1.02	4.14	0.62	0.01	0.48	1.54	0.27	13.75
04				0.17	0.16	1.10	4.46	0.66	0.01	0.52	1.64	0.30	14.77
05				0.17	0.16	1.08	4.33	0.64	0.01	0.50	1.57	0.29	14.28
06				0.15	0.15	1.06	4.04	0.59	0.01	0.46	1.55	0.27	13.53

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MS002

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.02	0.02	0.19	0.62	0.05	0.00	0.07	0.19	0.05	1.90
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03				0.05	0.05	0.43	1.38	0.11	0.00	0.15	0.43	0.12	4.25
04				0.08	0.08	0.62	2.22	0.18	0.00	0.24	0.68	0.18	6.82
05				0.04	0.04	0.39	1.29	0.10	0.00	0.14	0.40	0.11	3.95

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MS003

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.04	0.04	0.35	1.12	0.09	0.00	0.12	0.35	0.09	3.45

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MS006

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	11.5	3.88		0.12	0.13	0.86	3.41	0.53	0.01	0.37	1.03	0.23	11.87
02	20.3	3.73		0.07	0.09	0.47	2.27	0.43	0.00	0.24	0.62	0.11	8.35
03	7.7	2.99		0.15	0.15	1.05	4.00	0.59	0.01	0.44	1.22	0.29	13.50
04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05	40.2	3.78		0.16	0.16	1.13	4.36	0.65	0.01	0.48	1.33	0.31	14.89
06	13	4.05		0.12	0.12	0.83	3.29	0.51	0.01	0.36	0.99	0.22	11.53
07	11.6	3.13		0.15	0.15	1.03	4.00	0.60	0.01	0.44	1.22	0.28	13.59

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: MS007

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
01				0.04	0.04	0.21	1.07	0.25	0.00	0.12	0.31	0.06	3.44
02				0.04	0.04	0.24	1.13	0.24	0.00	0.12	0.32	0.06	3.66
03				0.04	0.05	0.26	1.19	0.24	0.00	0.12	0.34	0.06	3.88
04				0.04	0.04	0.25	1.13	0.23	0.00	0.11	0.32	0.06	3.68
05				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08				0.06	0.06	0.36	1.64	0.34	0.00	0.16	0.46	0.09	5.34
09				0.06	0.06	0.34	1.62	0.35	0.00	0.17	0.46	0.09	5.25
10				0.05	0.06	0.32	1.46	0.30	0.00	0.15	0.41	0.08	4.75

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH001

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
01				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH003

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02				0.10	0.11	0.96	2.93	0.35	0.00	0.31	0.92	0.23	9.25
03				0.05	0.05	0.33	1.36	0.27	0.00	0.14	0.39	0.07	4.43
04				0.06	0.07	0.38	1.74	0.36	0.00	0.17	0.49	0.09	5.68
05				0.06	0.07	0.39	1.75	0.36	0.00	0.18	0.50	0.09	5.72
06				0.11	0.10	0.86	2.75	0.37	0.00	0.30	0.90	0.22	8.69
07				0.08	0.07	0.59	1.90	0.18	0.00	0.23	0.65	0.18	5.89

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH004

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.20	0.20	1.30	5.45	0.95	0.01	0.64	1.91	0.34	18.55
02				0.24	0.25	1.63	6.83	1.12	0.01	0.78	2.23	0.42	23.03
03				0.22	0.23	1.52	6.19	1.01	0.01	0.70	2.00	0.39	20.90
04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH005

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01				0.08	0.08	0.42	2.25	0.42	0.00	0.28	0.80	0.10	7.72
02				0.11	0.11	0.56	3.02	0.57	0.01	0.37	1.05	0.14	10.35
03				0.11	0.12	0.59	3.18	0.61	0.01	0.39	1.14	0.15	10.92
04				0.09	0.09	0.44	2.47	0.49	0.00	0.32	0.94	0.11	8.51
05				0.02	0.02	0.13	0.65	0.11	0.00	0.07	0.18	0.03	2.21
06				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07				0.04	0.04	0.15	0.98	0.21	0.00	0.14	0.44	0.04	3.40

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH006

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.13	0.14	0.77	3.99	0.64	0.01	0.48	1.51	0.18	14.12
02				0.12	0.13	0.68	3.58	0.57	0.01	0.43	1.40	0.16	12.70
03				0.13	0.14	0.76	3.89	0.62	0.01	0.46	1.43	0.17	13.72
04				0.13	0.14	0.74	3.82	0.61	0.01	0.46	1.46	0.17	13.52
05				0.10	0.11	0.61	3.12	0.50	0.01	0.37	1.17	0.14	11.02

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH007

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
01	7.6	2.67		0.13	0.14	0.70	3.79	0.70	0.01	0.44	1.27	0.17	13.37
02	5.9	2.86		0.11	0.11	0.54	3.01	0.56	0.01	0.35	1.02	0.14	10.75
03	13.1	2.93		0.11	0.12	0.57	3.13	0.58	0.01	0.36	1.06	0.14	11.19
04	12.8	1.86		0.13	0.14	0.70	3.86	0.73	0.01	0.45	1.31	0.18	13.46
05				0.15	0.16	0.80	4.32	0.81	0.01	0.50	1.45	0.20	14.67
06				0.14	0.15	0.76	4.07	0.77	0.01	0.49	1.41	0.19	13.91
07				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08				0.14	0.16	0.85	4.42	0.73	0.01	0.51	1.59	0.20	15.34
09				0.13	0.15	0.82	4.19	0.69	0.01	0.48	1.44	0.19	14.46
10				0.10	0.11	0.59	3.06	0.50	0.01	0.36	1.13	0.14	10.71
11				0.11	0.12	0.67	3.42	0.56	0.01	0.40	1.21	0.15	11.89
12				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13				0.05	0.05	0.25	1.45	0.26	0.00	0.19	0.69	0.06	5.19
14				0.05	0.05	0.26	1.45	0.23	0.00	0.19	0.71	0.06	5.31

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH008

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
01				0.05	0.05	0.18	1.24	0.27	0.00	0.17	0.55	0.06	4.28
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03				0.05	0.05	0.19	1.29	0.28	0.00	0.18	0.57	0.06	4.43
04				0.08	0.08	0.31	2.07	0.45	0.00	0.29	0.92	0.10	7.14
05				0.04	0.04	0.14	0.98	0.21	0.00	0.14	0.44	0.05	3.37

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH009

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.14	0.15	0.80	4.13	0.66	0.01	0.49	1.55	0.18	14.61
02				0.06	0.06	0.37	1.77	0.30	0.00	0.19	0.49	0.08	6.09
03				0.07	0.07	0.36	2.06	0.31	0.00	0.27	1.03	0.09	7.53

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH010

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
1				0.09	0.08	0.35	2.19	0.44	0.00	0.31	1.00	0.09	7.44
2				0.09	0.08	0.34	2.15	0.44	0.00	0.30	0.98	0.09	7.37
3				0.08	0.07	0.30	1.90	0.40	0.00	0.27	0.87	0.08	6.55
4				0.04	0.04	0.17	1.03	0.21	0.00	0.14	0.47	0.04	3.50
5				0.08	0.07	0.30	1.94	0.41	0.00	0.27	0.89	0.08	6.72

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH011

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.09	0.09	0.48	2.59	0.44	0.00	0.32	1.09	0.12	9.24
02				0.11	0.12	0.62	3.23	0.57	0.01	0.39	1.23	0.15	11.40
03				0.11	0.12	0.58	3.11	0.61	0.01	0.39	1.20	0.15	10.90
04				0.12	0.12	0.58	3.14	0.61	0.01	0.40	1.22	0.15	11.01

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH012

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH013

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.14	0.15	0.73	3.99	0.74	0.01	0.50	1.44	0.18	13.69
02				0.13	0.13	0.67	3.63	0.68	0.01	0.44	1.24	0.17	12.39
03				0.14	0.15	0.73	4.08	0.80	0.01	0.50	1.46	0.19	14.06

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH014

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.10	0.11	0.52	2.84	0.55	0.01	0.35	1.03	0.13	9.74
02				0.11	0.11	0.56	3.05	0.58	0.01	0.37	1.07	0.14	10.44
03				0.16	0.17	0.78	4.45	0.88	0.01	0.57	1.71	0.20	15.31
04				0.18	0.18	0.86	4.94	1.02	0.01	0.62	1.84	0.23	17.20
05				0.12	0.12	0.58	3.26	0.66	0.01	0.41	1.19	0.15	11.34
06				0.14	0.14	0.70	3.84	0.74	0.01	0.48	1.38	0.18	13.19
07				0.17	0.17	0.79	4.59	0.91	0.01	0.59	1.75	0.21	15.76
08				0.18	0.18	0.86	5.00	1.00	0.01	0.62	1.86	0.23	17.16
09				0.14	0.15	0.73	3.96	0.76	0.01	0.48	1.40	0.18	13.51
10				0.12	0.12	0.56	3.27	0.69	0.01	0.42	1.25	0.15	11.42
11				0.12	0.12	0.54	3.20	0.68	0.01	0.41	1.24	0.15	11.18

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH015

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2				0.05	0.05	0.20	1.35	0.32	0.00	0.19	0.61	0.06	4.81
3				0.06	0.06	0.22	1.48	0.35	0.00	0.21	0.67	0.07	5.26
4				0.07	0.06	0.24	1.65	0.40	0.00	0.23	0.73	0.08	6.07

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH016

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
1				0.05	0.04	0.18	1.21	0.27	0.00	0.17	0.54	0.06	4.22
2				0.03	0.03	0.11	0.72	0.16	0.00	0.10	0.32	0.03	2.52

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH017

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
1				0.05	0.05	0.20	1.39	0.30	0.00	0.19	0.62	0.06	4.79
10				0.06	0.05	0.21	1.41	0.31	0.00	0.20	0.63	0.07	4.85
11				0.05	0.04	0.17	1.16	0.25	0.00	0.16	0.52	0.05	4.00
12				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2				0.06	0.05	0.22	1.47	0.32	0.00	0.20	0.66	0.07	5.06
3				0.06	0.05	0.21	1.43	0.31	0.00	0.20	0.64	0.07	4.93
4				0.08	0.07	0.28	1.93	0.45	0.00	0.27	0.87	0.09	6.86
5				0.06	0.05	0.21	1.41	0.31	0.00	0.20	0.63	0.07	4.87
6				0.06	0.05	0.21	1.45	0.31	0.00	0.20	0.65	0.07	5.00
7				0.07	0.07	0.28	1.90	0.41	0.00	0.26	0.85	0.09	6.55
8				0.05	0.05	0.20	1.37	0.30	0.00	0.19	0.61	0.06	4.71
9				0.04	0.04	0.14	0.96	0.21	0.00	0.13	0.43	0.04	3.31

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH018

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH019

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
1	54.1	4.18		0.05	0.04	0.17	1.16	0.29	0.00	0.16	0.46	0.05	4.42

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH020

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
1	21.6	6.51		0.07	0.07	0.26	1.81	0.43	0.00	0.25	0.82	0.08	6.42
2	33.1	2.01		0.07	0.07	0.26	1.79	0.44	0.00	0.25	0.78	0.08	6.61
3	19.9	6.53		0.07	0.07	0.26	1.81	0.43	0.00	0.25	0.82	0.08	6.44
4	42.1	5.93		0.06	0.06	0.24	1.64	0.40	0.00	0.22	0.67	0.08	6.18

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH021

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH022

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
1	9.3	6.27		0.07	0.07	0.25	1.74	0.43	0.00	0.23	0.69	0.08	6.62
2	6.2	6.71		0.07	0.07	0.27	1.86	0.46	0.00	0.25	0.74	0.09	7.10
3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	13	3.37		0.04	0.04	0.14	0.93	0.23	0.00	0.12	0.37	0.04	3.56
5	8.2	6.56		0.07	0.07	0.26	1.82	0.45	0.00	0.24	0.72	0.08	6.93
6				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH023

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
1	14.8	2.64		0.09	0.09	0.36	2.39	0.55	0.00	0.31	0.94	0.11	9.21
2	33	5.42		0.04	0.05	0.21	1.26	0.22	0.00	0.13	0.35	0.05	5.24
3	26.6	2.55		0.09	0.09	0.36	2.36	0.54	0.00	0.30	0.93	0.11	9.06
4	43	3.14		0.10	0.10	0.40	2.65	0.60	0.01	0.34	1.03	0.12	10.20
5	26	5.22		0.04	0.05	0.20	1.21	0.20	0.00	0.12	0.34	0.05	4.99
6	22.7	2.59		0.09	0.09	0.35	2.34	0.54	0.00	0.30	0.92	0.11	9.01
7				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH025

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	15.5	4.65		0.04	0.04	0.18	1.07	0.18	0.00	0.11	0.30	0.05	4.44
11	14.7	5.82		0.05	0.05	0.23	1.34	0.23	0.00	0.14	0.38	0.06	5.55
12	15.1	5.52		0.04	0.05	0.22	1.28	0.21	0.00	0.13	0.36	0.05	5.27
13	6.7	4.85		0.04	0.05	0.19	1.12	0.19	0.00	0.11	0.31	0.05	4.63
14	2.6	4.68		0.04	0.04	0.18	1.08	0.18	0.00	0.11	0.30	0.05	4.47
15	25.9	4.68		0.04	0.04	0.18	1.08	0.18	0.00	0.11	0.30	0.05	4.46
2	10.7	5.67		0.05	0.05	0.22	1.31	0.22	0.00	0.13	0.37	0.06	5.41
3	23	5.27		0.04	0.05	0.21	1.22	0.21	0.00	0.12	0.34	0.05	5.03
4	16	4.62		0.04	0.04	0.18	1.07	0.18	0.00	0.11	0.30	0.05	4.41
5	15.5	4.63		0.04	0.04	0.18	1.07	0.18	0.00	0.11	0.30	0.05	4.42
6	16.2	4.49		0.04	0.04	0.18	1.04	0.17	0.00	0.10	0.29	0.04	4.28
7				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	4.8	6.21		0.05	0.06	0.24	1.43	0.24	0.00	0.14	0.40	0.06	5.93

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH026

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH027

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH028

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: RH029

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: SE002

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.13	0.11	1.05	4.13	0.48	0.01	0.49	1.54	0.10	12.60
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: SE004

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.04	0.08	0.84	3.29	0.52	0.02	0.54	0.93	0.04	10.92
02				0.05	0.10	0.99	3.83	0.60	0.03	0.63	1.10	0.05	12.73
03				0.04	0.08	0.80	3.21	0.51	0.02	0.53	0.91	0.04	10.75
04				0.04	0.09	0.91	3.66	0.58	0.03	0.61	1.04	0.04	12.39
05				0.04	0.09	0.87	3.52	0.55	0.03	0.59	1.00	0.04	11.86
06				0.04	0.08	0.84	3.30	0.52	0.03	0.55	0.94	0.04	11.22

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: SE006

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.08	0.07	0.60	1.91	0.19	0.00	0.23	0.66	0.19	5.91
02				0.08	0.07	0.62	1.98	0.19	0.00	0.24	0.68	0.19	6.14

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: SE011

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03				0.07	0.08	0.50	2.01	0.40	0.00	0.20	0.60	0.11	6.54
04				0.07	0.07	0.47	1.92	0.38	0.00	0.19	0.57	0.10	6.23
05				0.07	0.07	0.45	1.81	0.36	0.00	0.18	0.54	0.10	5.88
06				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: SE012

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.14	0.15	1.13	3.87	0.59	0.01	0.48	2.09	0.38	12.28
02				0.15	0.14	1.12	3.86	0.56	0.01	0.48	2.09	0.39	12.27
03				0.16	0.16	1.11	4.10	0.70	0.01	0.54	2.25	0.38	13.26
04				0.16	0.16	1.11	4.10	0.70	0.01	0.54	2.24	0.38	13.25
05				0.15	0.14	1.03	3.75	0.59	0.01	0.50	2.14	0.37	12.15
06				0.15	0.14	1.01	3.74	0.60	0.01	0.50	2.15	0.36	12.14

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: SE013

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A		As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
			Limit (lbs/A)	36	34	--	1320	264	15	--	370	88	2464
01	39.5	4.41		0.12	0.13	1.02	3.58	0.46	0.01	0.38	1.08	0.25	12.29
02	42.5	4.25		0.12	0.13	1.03	3.59	0.44	0.01	0.38	1.09	0.26	12.28
03				0.07	0.08	0.70	2.14	0.25	0.00	0.23	0.67	0.17	6.73
04				0.07	0.07	0.67	2.06	0.25	0.00	0.22	0.64	0.16	6.49

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: SE014

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.13	0.09	0.86	3.03	0.38	0.01	0.47	1.75	0.06	9.65
02				0.12	0.13	1.26	4.64	0.58	0.01	0.66	1.96	0.07	14.47
03				0.13	0.09	0.89	3.10	0.39	0.01	0.48	1.80	0.06	9.89
04				0.12	0.13	1.28	4.72	0.59	0.01	0.67	1.96	0.07	14.72

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: SE016

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.10	0.17	1.68	6.37	0.80	0.02	0.85	1.88	0.10	19.54
02				0.09	0.19	1.87	7.25	0.96	0.03	1.02	2.07	0.08	22.85
03				0.09	0.15	1.36	5.27	0.70	0.03	0.75	1.61	0.10	17.11
04				0.07	0.13	1.21	4.78	0.65	0.03	0.70	1.42	0.07	15.55
T541-1				0.05	0.11	1.06	4.08	0.52	0.01	0.55	1.16	0.05	12.50
T541-3				0.04	0.08	0.80	3.09	0.40	0.01	0.42	0.88	0.04	9.48
T541-4				0.02	0.05	0.43	1.79	0.28	0.02	0.30	0.53	0.02	6.36
T541-5				0.05	0.12	1.07	4.31	0.60	0.03	0.65	1.24	0.05	14.08
T541-7				0.04	0.09	0.90	3.48	0.44	0.01	0.47	0.99	0.04	10.62

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: SE018

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
01				0.07	0.07	0.47	1.90	0.38	0.00	0.19	0.57	0.10	6.17
02				0.05	0.05	0.35	1.42	0.28	0.00	0.14	0.42	0.08	4.60
03				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: THE1

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
HE1-2-1				0.01	0.01	0.17	0.54	0.09	0.00	0.09	0.16	0.01	1.68

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: TJL2

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
TJL2-1				0.00	0.00	0.04	0.15	0.02	0.00	0.03	0.04	0.00	0.55
TJL2-2				0.00	0.01	0.09	0.35	0.05	0.00	0.06	0.10	0.00	1.25

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: TMB1

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
TMB1-1				0.02	0.04	0.33	1.40	0.22	0.01	0.23	0.41	0.02	4.75
TMB1-2				0.02	0.04	0.36	1.52	0.23	0.02	0.25	0.45	0.02	5.17
TMB1-3				0.03	0.08	0.68	2.90	0.41	0.02	0.41	0.79	0.03	9.51
TMB1-4				0.10	0.14	1.26	4.72	0.69	0.02	0.80	1.71	0.07	16.32
TMB1-5				0.21	0.21	1.89	7.14	0.98	0.03	1.11	2.87	0.12	23.85
TMB1-6				0.04	0.08	0.66	2.65	0.39	0.02	0.44	0.86	0.03	9.10

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: TPC1

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
TPC1-1				0.03	0.03	0.29	1.07	0.14	0.00	0.17	0.42	0.02	3.54

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: TPT1

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
TPT1-1				0.00	0.00	0.04	0.16	0.02	0.00	0.03	0.05	0.00	0.53

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: TWS2

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A)	Cd (lb/A)	Cr (lb/A)	Cu (lb/A)	Pb (lb/A)	Hg (lb/A)	Mo (lb/A)	Ni (lb/A)	Se (lb/A)	Zn (lb/A)
				36	34	--	1320	264	15	--	370	88	2464
TWS2-1				0.02	0.04	0.44	1.70	0.25	0.01	0.25	0.48	0.02	5.49

Cumulative Pollutant Loading Rate Summary Worksheet

The average of 52 analyses is used for metals calculations.

Farm Name: VB02

Calendar Year: 2014

Field	Acres	Appl. Rate DT/A	Limit (lbs/A)	As (lb/A) 36	Cd (lb/A) 34	Cr (lb/A) --	Cu (lb/A) 1320	Pb (lb/A) 264	Hg (lb/A) 15	Mo (lb/A) --	Ni (lb/A) 370	Se (lb/A) 88	Zn (lb/A) 2464
1				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX C
503 INORGANIC ANALYSIS
FOR
2014 LAND APPLICATION

40CFR ANNUAL SLUDGE REPORT
MOCCASIN BEND WWTP
CHATTANOOGA, TN
NPDES PERMIT NO. TN0024210

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Filter Press **1/6/2014** through **12/29/2014**

Sample ID Report Date Date Sampled Lab ID Date Received County	Avg. of 52 most recent non-null records:	Min. of all in selected range	Max. of all in selected range	12141004-001 12/29/2014 12/29/2014 FILTER PRESS CAKE 503	12140788-001 12/22/2014 12/22/2014 FILTER PRESS CAKE 503	12140570-001 12/15/2014 12/15/2014 FILTER PRESS CAKE 503
pH	10.54	9.1	12.3	11.5	11.5	11.7
Solids (%)	55.99%	47.70%	77.80%	61.50%	55.30%	51.30%
Volatile (% dw)						
Primary Nutr. (% dw)						
Total Kjeldehl N	4.01%	3.26%	7.43%	4.52%	3.86%	4.12%
Organic N	3.94%	3.21%	7.22%	4.44%	3.80%	4.07%
Ammonia N	0.07%	0.03%	0.21%	0.08%	0.06%	0.05%
Total Phosphorus (P)	8.84%	6.09%	11.00%	9.18%	9.09%	9.21%
Potassium (K)	0.10%	0.07%	0.13%	0.08%	0.10%	0.09%
Other Nutr. (% dw)						
Calcium (Ca)	10.12%	7.84%	11.16%	9.01%	9.73%	10.64%
Iron (Fe)	3.54%	2.35%	4.56%	2.82%	3.48%	4.56%
Boron (B)	0.01%	0.00%	0.04%			
Sulfur (S)	0.44%	0.22%	0.55%			
Reg'd Metals (mg/kg)						
Manganese (Mn)	275.70	122.57	352.55	301.14	287.88	306.82
Arsenic (As)	1.87	1.08	3.33	1.30	1.45	1.56
Cadmium (Cd)	3.79	2.59	5.14	3.58	3.25	3.90
Chromium (Cr)	19.86	12.39	35.39	20.49	15.55	19.88
Copper (Cu)	110.36	69.53	196.91	99.19	97.29	106.43
Lead (Pb)	2.74	0.59	11.11	0.98	1.08	0.78
Mercury (Hg)	0.15	0.07	0.27	0.10	0.07	0.08
Molybdenum (Mo)	8.00	3.11	18.45	4.55	5.06	6.24
Nickel (Ni)	28.31	16.69	69.67	26.34	25.32	28.85
Selenium (Se)	2.95	0.84	5.60	2.28	2.17	1.95
Zinc (Zn)	453.26	283.87	632.77	364.23	376.13	538.01
Other Data (mg/kg)						
PCBs						
Reactive Cyanide (Cn)						

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Filter Press **1/6/2014** through **12/29/2014**

Sample ID	12140311-001	12140033-001	11140749-001	11140497-001	11140285-001	11140077-001
Report Date	12/8/2014	12/1/2014	11/24/2014	11/17/2014	11/10/2014	11/3/2014
Date Sampled	12/8/2014	12/1/2014	11/24/2014	11/17/2014	11/10/2014	11/3/2014
Lab ID	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503
Date Received						
County						
pH	11.8	11.6	11.6	11.6	11.8	11.8
Solids (%)	50.50%	48.20%	51.60%	48.80%	48.30%	53.10%
Volatile (% dw)						
Primary Nutr. (% dw)						
Total Kjeldehl N	7.43%	3.86%	4.10%	3.94%	4.08%	3.97%
Organic N	7.22%	3.78%	4.03%	3.84%	4.04%	3.91%
Ammonia N	0.21%	0.08%	0.08%	0.10%	0.05%	0.06%
Total Phosphorus (P)	9.96%	8.89%	8.36%	9.56%	9.03%	8.20%
Potassium (K)	0.09%	0.10%	0.09%	0.10%	0.09%	0.09%
Other Nutr. (% dw)						
Calcium (Ca)	10.38%	11.00%	10.74%	10.90%	10.97%	10.09%
Iron (Fe)	3.71%	4.19%	4.42%	4.55%	3.15%	3.04%
Boron (B)	0.01%				0.01%	
Sulfur (S)	0.45%				0.51%	
Reg'd Metals (mg/kg)						
Manganese (Mn)	293.07	284.23	270.16	262.30	122.57	134.84
Arsenic (As)	1.58	1.66	2.33	2.87	2.48	2.64
Cadmium (Cd)	3.56	3.73	3.88	3.69	4.14	3.77
Chromium (Cr)	19.01	18.26	20.93	29.10	27.33	26.37
Copper (Cu)	107.33	97.10	105.81	129.10	103.52	95.67
Lead (Pb)	1.19	1.66	1.94	2.05	2.07	3.01
Mercury (Hg)	0.16	0.17	0.19	0.16	0.21	0.15
Molybdenum (Mo)	6.34	10.79	12.79	17.62	15.73	14.69
Nickel (Ni)	28.12	34.44	53.49	69.67	54.24	41.43
Selenium (Se)	1.98	2.90	2.71	3.28	3.73	3.39
Zinc (Zn)	459.41	452.28	476.74	594.26	600.41	632.77
Other Data (mg/kg)						
PCBs						
Reactive Cyanide (Cn)						

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Filter Press **1/6/2014** through **12/29/2014**

Sample ID	10140974-001	10140729-001	10140464-001	10140199-001	09140946-001	09140728-001
Report Date	10/27/2014	10/20/2014	10/13/2014	10/6/2014	9/29/2014	9/22/2014
Date Sampled	10/27/2014	10/20/2014	10/13/2014	10/6/2014	9/29/2014	9/22/2014
Lab ID	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503
Date Received						
County						
pH	12	10.6	11.5	11.7	10.6	11.6
Solids (%)	47.70%	54.20%	49.80%	51.50%	77.80%	51.00%
Volatile (% dw)						
Primary Nutr. (% dw)						
Total Kjeldehl N	3.83%	3.72%	4.10%	4.37%	4.40%	3.81%
Organic N	3.77%	3.67%	4.03%	4.29%	4.36%	3.77%
Ammonia N	0.07%	0.04%	0.07%	0.08%	0.04%	0.05%
Total Phosphorus (P)	7.59%	7.75%	8.55%	7.51%	6.14%	8.75%
Potassium (K)	0.11%	0.10%	0.09%	0.07%	0.07%	0.09%
Other Nutr. (% dw)						
Calcium (Ca)	10.78%	9.56%	10.80%	10.14%	7.84%	9.80%
Iron (Fe)	4.08%	3.99%	3.55%	4.12%	2.35%	4.20%
Boron (B)			0.01%			
Sulfur (S)			0.45%			
Reg'd Metals (mg/kg)						
Manganese (Mn)	295.60	279.70	279.92	262.52	282.78	312.16
Arsenic (As)	2.52	2.58	2.01	2.33	1.80	1.96
Cadmium (Cd)	4.19	3.32	4.02	4.66	3.86	4.31
Chromium (Cr)	22.22	25.46	14.46	17.48	12.85	17.65
Copper (Cu)	174.00	168.63	164.66	110.68	90.49	102.35
Lead (Pb)	2.52	2.21	2.01	2.33	2.06	3.92
Mercury (Hg)	0.13	0.11	0.08	0.08	0.18	0.24
Molybdenum (Mo)	18.45	16.61	17.67	17.09	9.25	7.84
Nickel (Ni)	30.61	38.38	20.48	27.57	20.57	26.67
Selenium (Se)	0.84	3.32	2.81	1.94	1.54	2.75
Zinc (Zn)	515.72	542.44	534.14	481.55	437.02	439.22
Other Data (mg/kg)						
PCBs						
Reactive Cyanide (Cn)						

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Filter Press **1/6/2014** through **12/29/2014**

Sample ID	09140520-001	09140272-001	09140055-001	08140960-001	08140685-001	08140412-001
Report Date	9/15/2014	9/8/2014	9/2/2014	8/25/2014	8/18/2014	8/11/2014
Date Sampled	9/15/2014	9/8/2014	9/2/2014	8/25/2014	8/18/2014	8/11/2014
Lab ID	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503
Date Received						
County						
pH	11.6	11.8	11	11.7	11.7	11.9
Solids (%)	51.80%	50.30%	54.10%	51.80%	55.80%	50.20%
Volatile (% dw)						
Primary Nutr. (% dw)						
Total Kjeldehl N	3.96%	4.27%	3.90%	3.85%	3.85%	3.71%
Organic N	3.87%	4.20%	3.85%	3.80%	3.80%	3.65%
Ammonia N	0.09%	0.08%	0.05%	0.05%	0.05%	0.06%
Total Phosphorus (P)	7.79%	8.24%	9.49%	7.35%	7.68%	6.85%
Potassium (K)	0.08%	0.09%	0.09%	0.09%	0.09%	0.10%
Other Nutr. (% dw)						
Calcium (Ca)	10.12%	9.78%	9.87%	11.08%	9.93%	11.04%
Iron (Fe)	3.82%	3.22%	3.57%	4.02%	3.62%	4.50%
Boron (B)			0.00%			0.02%
Sulfur (S)			0.44%			0.45%
Reg'd Metals (mg/kg)						
Manganese (Mn)	319.69	308.55	333.83	299.61	292.83	279.68
Arsenic (As)	1.93	1.99	3.33	2.32	2.51	2.39
Cadmium (Cd)	3.47	3.58	2.59	3.47	3.58	4.38
Chromium (Cr)	18.15	35.39	18.48	20.46	20.07	17.53
Copper (Cu)	103.09	104.57	106.10	97.30	96.42	104.38
Lead (Pb)	3.86	3.98	3.33	9.27	11.11	3.98
Mercury (Hg)	0.12	0.12	0.18	0.12	0.11	0.16
Molybdenum (Mo)	5.79	4.77	4.07	6.18	6.45	5.98
Nickel (Ni)	26.64	26.24	19.96	24.32	24.01	27.09
Selenium (Se)	3.09	1.99	1.85	3.86	3.58	3.98
Zinc (Zn)	517.37	504.97	584.10	444.02	458.78	398.41
Other Data (mg/kg)						
PCBs						
Reactive Cyanide (Cn)						

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Filter Press **1/6/2014** through **12/29/2014**

Sample ID	08140106-001	07140917-001	07140699-001	07140472-001	07140225-001	06141024-001
Report Date	8/4/2014	7/28/2014	7/21/2014	7/14/2014	7/7/2014	6/30/2014
Date Sampled	8/4/2014	7/28/2014	7/21/2014	7/14/2014	7/7/2014	6/30/2014
Lab ID	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503
Date Received						
County						
pH	11.8	11.1	11.5	9.6	12	9.1
Solids (%)	54.10%	52.30%	58.70%	50.60%	54.50%	60.80%
Volatile (% dw)						
Primary Nutr. (% dw)						
Total Kjeldehl N	3.26%	3.67%	3.43%	4.01%	4.26%	3.78%
Organic N	3.21%	3.65%	3.34%	3.91%	4.22%	3.65%
Ammonia N	0.05%	0.03%	0.09%	0.09%	0.04%	0.13%
Total Phosphorus (P)	6.09%	8.94%	8.65%	6.43%	7.91%	9.10%
Potassium (K)	0.08%	0.10%	0.10%	0.09%	0.10%	0.10%
Other Nutr. (% dw)						
Calcium (Ca)	11.13%	10.21%	9.88%	11.07%	10.68%	10.03%
Iron (Fe)	3.28%	3.82%	3.54%	3.85%	3.59%	2.90%
Boron (B)			0.04%			
Sulfur (S)			0.45%			
Reg'd Metals (mg/kg)						
Manganese (Mn)	290.57	287.95	273.94	256.13	273.39	243.75
Arsenic (As)	1.85	2.68	2.73	1.58	1.83	1.32
Cadmium (Cd)	4.81	3.44	3.75	5.14	4.40	3.62
Chromium (Cr)	17.38	16.06	17.04	18.97	15.78	16.45
Copper (Cu)	126.80	110.52	117.21	122.92	118.53	102.96
Lead (Pb)	2.96	1.91	1.36	1.98	1.83	0.99
Mercury (Hg)	0.15	0.27	0.17	0.08	0.15	0.20
Molybdenum (Mo)	6.28	6.88	4.77	7.91	8.81	6.91
Nickel (Ni)	24.03	25.62	25.21	29.25	27.52	22.04
Selenium (Se)	1.48	2.68	3.75	3.16	2.94	3.29
Zinc (Zn)	458.41	474.19	477.00	462.45	491.74	411.18
Other Data (mg/kg)						
PCBs						
Reactive Cyanide (Cn)						

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Filter Press **1/6/2014** through **12/29/2014**

Sample ID	06140824-001	06140618-001	06140330-001	06140057-001	05140960-001	05140690-001
Report Date	6/23/2014	6/16/2014	6/9/2014	6/2/2014	5/26/2014	5/19/2014
Date Sampled	6/23/2014	6/16/2014	6/9/2014	6/2/2014	5/26/2014	5/19/2014
Lab ID	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503
Date Received						
County						
pH	10.4	10	11.5	12	12.3	11.8
Solids (%)	59.80%	67.80%	58.50%	61.70%	58.20%	63.50%
Volatile (% dw)						
Primary Nutr. (% dw)						
Total Kjeldehl N	3.93%	3.90%	4.02%	3.81%	4.02%	4.26%
Organic N	3.84%	3.77%	3.98%	3.77%	3.96%	4.21%
Ammonia N	0.09%	0.13%	0.04%	0.04%	0.06%	0.05%
Total Phosphorus (P)	8.89%	8.73%	10.60%	9.41%	10.80%	10.10%
Potassium (K)	0.09%	0.09%	0.09%	0.09%	0.10%	0.09%
Other Nutr. (% dw)						
Calcium (Ca)	9.63%	8.97%	9.98%	9.56%	10.03%	9.76%
Iron (Fe)	3.41%	3.16%	3.83%	2.94%	3.47%	3.34%
Boron (B)		0.01%			0.00%	
Sulfur (S)		0.47%			0.55%	
Reg'd Metals (mg/kg)						
Manganese (Mn)	259.20	225.07	270.09	222.37	257.39	286.30
Arsenic (As)	1.34	1.18	1.37	1.30	1.37	1.57
Cadmium (Cd)	3.68	2.95	3.08	3.24	3.78	3.78
Chromium (Cr)	16.05	12.39	19.15	15.88	21.31	22.36
Copper (Cu)	117.06	104.72	109.40	92.38	196.91	156.54
Lead (Pb)	2.34	0.59	5.47	7.13	5.50	3.15
Mercury (Hg)	0.10	0.18	0.10	0.13	0.17	0.19
Molybdenum (Mo)	7.36	5.90	5.81	6.16	6.53	6.30
Nickel (Ni)	25.42	19.47	24.27	23.34	25.43	26.14
Selenium (Se)	3.34	3.24	3.08	3.57	2.41	2.20
Zinc (Zn)	461.54	442.48	434.19	333.87	518.90	510.24
Other Data (mg/kg)						
PCBs						
Reactive Cyanide (Cn)						

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Filter Press **1/6/2014** through **12/29/2014**

Sample ID	05140424-001	05140156-001	04140714-001	04140502-001	03140843-001	03140617-001
Report Date	5/12/2014	5/5/2014	4/21/2014	4/14/2014	3/24/2014	3/17/2014
Date Sampled	5/12/2014	5/5/2014	4/21/2014	4/14/2014	3/24/2014	3/17/2014
Lab ID	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503
Date Received						
County						
pH	11.9	12	11.7	11.7	11.6	12
Solids (%)	60.70%	58.30%	54.20%	51.00%	62.50%	55.80%
Volatile (% dw)						
Primary Nutr. (% dw)						
Total Kjeldehl N	3.70%	4.09%	3.95%	4.32%	3.83%	3.99%
Organic N	3.65%	4.03%	3.89%	4.23%	3.68%	3.92%
Ammonia N	0.05%	0.06%	0.06%	0.09%	0.15%	0.07%
Total Phosphorus (P)	9.68%	9.21%	10.60%	11.00%	8.14%	9.07%
Potassium (K)	0.11%	0.10%	0.11%	0.12%	0.11%	0.12%
Other Nutr. (% dw)						
Calcium (Ca)	9.52%	10.22%	10.59%	11.02%	9.66%	10.65%
Iron (Fe)	3.18%	3.27%	3.47%	3.50%	3.49%	2.90%
Boron (B)				0.01%		0.00%
Sulfur (S)				0.47%		0.41%
Reg'd Metals (mg/kg)						
Manganese (Mn)	271.50	250.77	288.56	286.27	352.00	269.18
Arsenic (As)	1.32	1.37	1.48	1.96	1.28	1.08
Cadmium (Cd)	4.94	4.12	3.32	4.31	3.20	3.94
Chromium (Cr)	20.43	20.24	21.03	14.51	17.28	20.79
Copper (Cu)	104.45	104.63	101.11	116.08	85.44	69.53
Lead (Pb)	1.65	2.06	2.21	5.49	1.60	1.08
Mercury (Hg)	0.16	0.17	0.07	0.12	0.19	0.22
Molybdenum (Mo)	8.57	7.55	6.64	5.88	4.80	3.58
Nickel (Ni)	24.71	26.07	30.63	36.08	20.48	21.15
Selenium (Se)	2.97	2.74	3.69	4.31	3.52	3.23
Zinc (Zn)	408.57	432.25	476.01	400.00	315.52	283.87
Other Data (mg/kg)						
PCBs						
Reactive Cyanide (Cn)						

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Filter Press **1/6/2014** through **12/29/2014**

Sample ID	03140351-001	03140084-001	02140850-001	02140607-001	02140084-001	01140857-001
Report Date	3/10/2014	3/3/2014	2/24/2014	2/17/2014	2/3/2014	1/27/2014
Date Sampled	3/10/2014	3/3/2014	2/24/2014	2/17/2014	2/3/2014	1/27/2014
Lab ID	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503	FILTER PRESS CAKE 503
Date Received						
County						
pH	11.7	11.7	11.7	11.9	11.8	11.9
Solids (%)	60.70%	69.50%	70.70%	50.60%	61.30%	55.10%
Volatile (% dw)						
Primary Nutr. (% dw)						
Total Kjeldehl N	3.90%	3.96%	3.58%	4.00%	3.67%	3.73%
Organic N	3.82%	3.90%	3.53%	3.93%	3.62%	3.67%
Ammonia N	0.08%	0.06%	0.06%	0.07%	0.05%	0.06%
Total Phosphorus (P)	9.39%	9.18%	10.50%	10.90%	9.25%	9.37%
Potassium (K)	0.12%	0.11%	0.12%	0.12%	0.11%	0.10%
Other Nutr. (% dw)						
Calcium (Ca)	10.12%	9.12%	8.49%	10.36%	9.76%	9.84%
Iron (Fe)	3.72%	3.14%	3.34%	3.47%	3.23%	2.83%
Boron (B)			0.00%			0.03%
Sulfur (S)			0.22%			0.43%
Reg'd Metals (mg/kg)						
Manganese (Mn)	352.55	333.81	311.17	262.45	194.45	278.77
Arsenic (As)	1.32	1.44	1.98	1.98	1.31	1.45
Cadmium (Cd)	3.95	3.45	3.39	3.95	3.26	3.63
Chromium (Cr)	20.43	20.14	21.50	24.90	16.97	20.69
Copper (Cu)	79.74	75.97	91.65	107.91	81.89	86.03
Lead (Pb)	1.32	1.73	0.85	1.19	1.31	2.54
Mercury (Hg)	0.20	0.17	0.23	0.20	0.13	0.18
Molybdenum (Mo)	3.95	3.74	3.11	6.72	5.87	5.81
Nickel (Ni)	25.37	16.69	25.74	27.67	18.27	25.41
Selenium (Se)	2.64	2.01	3.96	3.56	2.94	3.63
Zinc (Zn)	418.45	394.24	379.07	403.16	299.18	355.35
Other Data (mg/kg)						
PCBs						
Reactive Cyanide (Cn)						

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Filter Press **1/6/2014** through **12/29/2014**

Sample ID	01140171-001
Report Date	1/6/2014
Date Sampled	1/6/2014
Lab ID	FILTER PRESS CAKE 503
Date Received	
County	
pH	11.8
Solids (%)	50.00%
Volatile (% dw)	
Primary Nutr. (% dw)	
Total Kjeldehl N	3.92%
Organic N	3.89%
Ammonia N	0.04%
Total Phosphorus (P)	9.53%
Potassium (K)	0.13%
Other Nutr. (% dw)	
Calcium (Ca)	11.16%
Iron (Fe)	3.33%
Boron (B)	
Sulfur (S)	
Reg'd Metals (mg/kg)	
Manganese (Mn)	274.80
Arsenic (As)	2.40
Cadmium (Cd)	4.40
Chromium (Cr)	28.80
Copper (Cu)	132.00
Lead (Pb)	2.40
Mercury (Hg)	0.24
Molybdenum (Mo)	8.00
Nickel (Ni)	31.60
Selenium (Se)	5.60
Zinc (Zn)	456.00
Other Data (mg/kg)	
PCBs	
Reactive Cyanide (Cn)	

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Chattanooga **1/6/2014** through **12/29/2014**

Sample ID Report Date Date Sampled Lab ID Date Received County	Avg. of 52 most recent non-null records:	Min. of all in selected range	Max. of all in selected range	12141002-001 12/29/2014 12/29/2014 CENTRIFUGE CAKE 503	12140786-001 12/22/2014 12/22/2014 CENTRIFUGE CAKE 503	12140568-001 12/15/2014 12/15/2014 CENTRIFUGE CAKE 503
pH	11.93	11.6	12.6	11.8	11.7	11.8
Solids (%)	33.54%	27.60%	40.00%	30.40%	31.80%	32.40%
Volatile (% dw)						
Primary Nutr. (% dw)						
Total Kjeldehl N	3.82%	2.28%	5.33%	4.55%	3.85%	4.30%
Organic N	3.64%	2.21%	5.10%	4.28%	3.65%	4.17%
Ammonia N	0.18%	0.07%	0.32%	0.27%	0.20%	0.13%
Total Phosphorus (P)	7.31%	3.04%	10.10%	8.52%	6.79%	6.56%
Potassium (K)	0.30%	0.24%	0.40%	0.30%	0.30%	0.27%
Other Nutr. (% dw)						
Calcium (Ca)	13.93%	11.20%	16.63%	14.14%	13.02%	14.63%
Iron (Fe)	0.72%	0.47%	1.22%	0.65%	0.62%	0.67%
Boron (B)	0.01%	0.00%	0.09%			
Sulfur (S)	0.82%	0.35%	1.38%			
Reg'd Metals (mg/kg)						
Manganese (Mn)	138.64	96.99	204.05	138.16	110.06	112.96
Arsenic (As)	6.78	1.94	14.21	7.89	7.55	8.64
Cadmium (Cd)	4.92	3.29	10.28	4.61	3.77	4.94
Chromium (Cr)	17.31	11.46	28.42	17.11	16.35	14.20
Copper (Cu)	118.85	83.50	185.79	132.89	121.38	117.28
Lead (Pb)	27.34	13.59	44.57	24.34	28.30	27.78
Mercury (Hg)	0.26	0.11	0.83	0.26	0.38	0.25
Molybdenum (Mo)	12.74	6.47	26.50	7.89	10.06	9.88
Nickel (Ni)	39.22	22.65	86.78	38.82	29.56	38.89
Selenium (Se)	5.01	1.58	9.14	6.58	3.77	3.09
Zinc (Zn)	426.13	307.44	620.69	472.37	375.47	390.12
Other Data (mg/kg)						
PCBs						
Reactive Cyanide (Cn)						

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Chattanooga **1/6/2014** through **12/29/2014**

Sample ID	12140308-001	12140030-001	11140747-001	11140495-001	11140282-001	11140074-001
Report Date	12/8/2014	12/1/2014	11/24/2014	11/17/2014	11/10/2014	11/3/2014
Date Sampled	12/8/2014	12/1/2014	11/24/2014	11/17/2014	11/10/2014	11/3/2014
Lab ID	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503
Date Received						
County						
pH	11.8	11.8	11.8	11.9	11.8	11.9
Solids (%)	33.10%	31.00%	33.80%	35.00%	35.40%	34.80%
Volatile (% dw)						
Primary Nutr. (% dw)						
Total Kjeldehl N	4.02%	4.33%	3.99%	3.76%	3.37%	3.88%
Organic N	3.83%	4.15%	3.82%	3.60%	3.27%	3.75%
Ammonia N	0.19%	0.18%	0.17%	0.15%	0.10%	0.12%
Total Phosphorus (P)	5.41%	7.20%	6.42%	6.33%	5.89%	4.91%
Potassium (K)	0.30%	0.32%	0.25%	0.28%	0.27%	0.33%
Other Nutr. (% dw)						
Calcium (Ca)	12.87%	14.77%	13.37%	14.91%	13.79%	14.31%
Iron (Fe)	0.68%	0.88%	0.68%	0.97%	0.91%	1.09%
Boron (B)	0.00%				0.00%	
Sulfur (S)	1.38%				0.97%	
Reg'd Metals (mg/kg)						
Manganese (Mn)	130.51	136.77	133.73	159.43	157.06	182.18
Arsenic (As)	11.48	14.19	8.88	13.14	11.30	12.07
Cadmium (Cd)	3.63	5.16	4.14	5.14	5.08	4.60
Chromium (Cr)	15.11	14.84	15.38	14.86	17.51	28.16
Copper (Cu)	128.10	121.29	104.73	114.86	102.82	110.92
Lead (Pb)	35.05	38.71	31.95	44.57	24.86	34.48
Mercury (Hg)	0.24	0.26	0.83	0.17	0.23	0.23
Molybdenum (Mo)	12.08	17.42	17.75	20.57	15.25	12.64
Nickel (Ni)	32.02	47.74	37.87	43.43	49.72	86.78
Selenium (Se)	3.02	4.52	5.33	9.14	2.82	2.87
Zinc (Zn)	469.49	460.65	439.64	426.29	441.24	620.69
Other Data (mg/kg)						
PCBs						
Reactive Cyanide (Cn)						

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Chattanooga **1/6/2014** through **12/29/2014**

Sample ID	10140972-001	10140727-001	10140462-001	10140196-001	09140944-001	09140726-001
Report Date	10/27/2014	10/20/2014	10/13/2014	10/6/2014	9/29/2014	9/22/2014
Date Sampled	10/27/2014	10/20/2014	10/13/2014	10/6/2014	9/29/2014	9/22/2014
Lab ID	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503
Date Received						
County						
pH	11.9	11.9	11.8	11.9	11.9	11.7
Solids (%)	36.60%	38.00%	40.00%	38.90%	36.10%	33.70%
Volatile (% dw)						
Primary Nutr. (% dw)						
Total Kjeldehl N	3.54%	2.28%	2.61%	3.55%	3.49%	3.50%
Organic N	3.44%	2.21%	2.45%	3.39%	3.32%	3.35%
Ammonia N	0.10%	0.07%	0.16%	0.17%	0.17%	0.15%
Total Phosphorus (P)	4.54%	4.66%	3.04%	4.34%	6.25%	7.77%
Potassium (K)	0.33%	0.36%	0.30%	0.26%	0.29%	0.28%
Other Nutr. (% dw)						
Calcium (Ca)	13.88%	15.26%	15.05%	12.44%	12.47%	12.88%
Iron (Fe)	0.70%	0.67%	0.60%	0.62%	0.79%	0.77%
Boron (B)			0.00%			
Sulfur (S)			0.79%			
Reg'd Metals (mg/kg)						
Manganese (Mn)	133.33	124.21	137.50	133.68	163.43	175.07
Arsenic (As)	12.02	14.21	10.50	8.74	11.08	9.50
Cadmium (Cd)	4.92	6.32	5.50	10.28	5.54	4.15
Chromium (Cr)	28.42	17.37	14.00	12.85	12.19	16.62
Copper (Cu)	185.79	146.32	159.00	109.00	108.59	109.20
Lead (Pb)	43.17	38.95	35.50	39.59	39.34	27.30
Mercury (Hg)	0.22	0.11	0.15	0.21	0.61	0.30
Molybdenum (Mo)	20.77	23.16	26.50	25.19	26.04	16.62
Nickel (Ni)	86.34	49.47	54.50	49.36	46.54	35.61
Selenium (Se)	1.64	1.58	2.00	2.57	4.43	4.15
Zinc (Zn)	476.50	375.79	442.00	441.65	455.96	451.63
Other Data (mg/kg)						
PCBs						
Reactive Cyanide (Cn)						

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Chattanooga **1/6/2014** through **12/29/2014**

Sample ID	09140518-001	09140269-001	09140053-001	08140958-001	08140683-001	08140409-001
Report Date	9/15/2014	9/8/2014	9/2/2014	8/25/2014	8/18/2014	8/11/2014
Date Sampled	9/15/2014	9/8/2014	9/2/2014	8/25/2014	8/18/2014	8/11/2014
Lab ID	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503
Date Received						
County						
pH	11.8	12.1	11.9	11.8	12.1	12.1
Solids (%)	29.60%	32.90%	36.50%	31.80%	33.00%	34.20%
Volatile (% dw)						
Primary Nutr. (% dw)						
Total Kjeldehl N	4.27%	4.11%	3.28%	3.68%	3.23%	3.32%
Organic N	4.06%	3.96%	3.10%	3.49%	3.07%	3.15%
Ammonia N	0.21%	0.16%	0.18%	0.19%	0.16%	0.16%
Total Phosphorus (P)	7.27%	5.62%	5.65%	8.24%	5.99%	4.13%
Potassium (K)	0.28%	0.26%	0.25%	0.28%	0.29%	0.27%
Other Nutr. (% dw)						
Calcium (Ca)	12.70%	13.13%	13.26%	14.15%	14.61%	14.44%
Iron (Fe)	0.70%	0.77%	0.79%	0.76%	0.73%	0.87%
Boron (B)			0.00%			0.01%
Sulfur (S)			0.74%			0.71%
Reg'd Metals (mg/kg)						
Manganese (Mn)	204.05	155.62	167.67	155.97	174.55	167.25
Arsenic (As)	6.08	10.94	8.77	7.55	9.70	9.94
Cadmium (Cd)	3.38	4.26	3.29	4.40	4.85	5.85
Chromium (Cr)	18.24	16.41	18.08	18.87	18.79	26.32
Copper (Cu)	135.81	113.07	104.11	122.01	107.88	121.64
Lead (Pb)	31.76	21.28	29.04	23.90	18.18	30.99
Mercury (Hg)	0.14	0.12	0.16	0.19	0.18	0.41
Molybdenum (Mo)	12.84	7.90	7.67	12.58	12.12	12.28
Nickel (Ni)	40.54	37.08	32.88	31.45	36.36	35.09
Selenium (Se)	5.41	3.04	2.19	7.55	6.06	5.85
Zinc (Zn)	597.97	498.48	454.79	488.68	460.61	433.33
Other Data (mg/kg)						
PCBs						
Reactive Cyanide (Cn)						

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Chattanooga **1/6/2014** through **12/29/2014**

Sample ID	08140103-001	07140915-001	07140697-001	07140471-001	07140222-001	06141022-001
Report Date	8/4/2014	7/28/2014	7/21/2014	7/14/2014	7/7/2014	6/30/2014
Date Sampled	8/4/2014	7/28/2014	7/21/2014	7/14/2014	7/7/2014	6/30/2014
Lab ID	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503
Date Received						
County						
pH	12.1	11.9	12	12	12.2	12.1
Solids (%)	38.00%	36.10%	35.30%	36.70%	36.80%	38.50%
Volatile (% dw)						
Primary Nutr. (% dw)						
Total Kjeldehl N	2.61%	3.35%	3.17%	3.37%	3.16%	3.68%
Organic N	2.47%	3.24%	2.99%	3.21%	2.99%	3.48%
Ammonia N	0.15%	0.11%	0.18%	0.16%	0.17%	0.20%
Total Phosphorus (P)	3.23%	7.17%	6.55%	7.30%	3.85%	8.41%
Potassium (K)	0.25%	0.26%	0.29%	0.27%	0.30%	0.25%
Other Nutr. (% dw)						
Calcium (Ca)	15.16%	12.74%	14.22%	14.22%	15.33%	15.38%
Iron (Fe)	0.63%	0.64%	0.75%	0.87%	0.80%	0.55%
Boron (B)			0.04%			
Sulfur (S)			0.80%			
Reg'd Metals (mg/kg)						
Manganese (Mn)	127.89	170.08	175.64	132.43	127.72	105.97
Arsenic (As)	9.47	7.76	9.07	5.45	4.35	3.12
Cadmium (Cd)	5.26	5.54	5.10	4.90	5.98	4.68
Chromium (Cr)	17.89	18.28	17.56	19.07	17.93	16.62
Copper (Cu)	110.00	108.03	129.18	120.44	108.15	103.90
Lead (Pb)	28.42	27.70	30.03	28.88	27.17	22.86
Mercury (Hg)	0.11	0.17	0.23	0.16	0.16	0.21
Molybdenum (Mo)	10.53	8.31	9.07	12.53	11.96	10.91
Nickel (Ni)	41.05	32.69	34.56	37.60	38.04	27.53
Selenium (Se)	2.63	6.09	6.80	5.45	5.43	6.23
Zinc (Zn)	377.37	477.56	514.45	470.30	405.98	374.55
Other Data (mg/kg)						
PCBs						
Reactive Cyanide (Cn)						

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Chattanooga **1/6/2014** through **12/29/2014**

Sample ID	06140822-001	06140616-001	06140327-001	06140054-001	05140958-001	05140688-001
Report Date	6/23/2014	6/16/2014	6/9/2014	6/2/2014	5/26/2014	5/19/2014
Date Sampled	6/23/2014	6/16/2014	6/9/2014	6/2/2014	5/26/2014	5/19/2014
Lab ID	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503
Date Received						
County						
pH	12.2	12.4	11.6	12.1	12.6	12.2
Solids (%)	37.50%	34.50%	36.70%	33.20%	33.00%	30.30%
Volatile (% dw)						
Primary Nutr. (% dw)						
Total Kjeldehl N	3.44%	3.86%	3.62%	4.14%	3.99%	4.44%
Organic N	3.28%	3.60%	3.43%	3.87%	3.79%	4.23%
Ammonia N	0.16%	0.27%	0.19%	0.28%	0.20%	0.21%
Total Phosphorus (P)	7.83%	9.28%	9.25%	9.05%	9.07%	9.02%
Potassium (K)	0.24%	0.27%	0.27%	0.32%	0.30%	0.31%
Other Nutr. (% dw)						
Calcium (Ca)	14.35%	14.67%	14.06%	16.33%	13.03%	13.80%
Iron (Fe)	0.72%	0.70%	0.64%	1.22%	0.68%	0.74%
Boron (B)		0.00%			0.00%	
Sulfur (S)		0.35%			1.02%	
Reg'd Metals (mg/kg)						
Manganese (Mn)	125.33	107.25	138.96	199.40	116.36	120.13
Arsenic (As)	3.73	3.48	4.36	5.42	3.64	3.96
Cadmium (Cd)	4.27	4.64	3.81	4.22	4.85	5.94
Chromium (Cr)	17.07	15.65	13.62	15.66	19.39	21.78
Copper (Cu)	119.47	109.57	120.98	129.52	132.12	120.13
Lead (Pb)	27.73	26.09	32.15	39.16	18.18	16.50
Mercury (Hg)	0.32	0.29	0.33	0.24	0.24	0.26
Molybdenum (Mo)	13.87	13.91	11.99	13.86	12.73	13.20
Nickel (Ni)	34.67	30.14	33.24	36.75	38.18	36.30
Selenium (Se)	5.87	5.22	4.90	7.23	4.85	5.94
Zinc (Zn)	433.07	382.03	427.25	509.64	469.70	446.20
Other Data (mg/kg)						
PCBs						
Reactive Cyanide (Cn)						

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Chattanooga **1/6/2014** through **12/29/2014**

Sample ID	05140422-001	05140153-001	04140927-001	04140712-001	04140500-001	04140221-001
Report Date	5/12/2014	5/5/2014	4/28/2014	4/21/2014	4/14/2014	4/7/2014
Date Sampled	5/12/2014	5/5/2014	4/28/2014	4/21/2014	4/14/2014	4/7/2014
Lab ID	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503
Date Received						
County						
pH	12.1	12.2	12	12.1	12	11.8
Solids (%)	32.90%	32.40%	34.20%	31.20%	31.40%	31.80%
Volatile (% dw)						
Primary Nutr. (% dw)						
Total Kjeldehl N	3.88%	4.04%	2.92%	4.29%	4.63%	4.36%
Organic N	3.74%	3.85%	2.74%	4.16%	4.53%	4.21%
Ammonia N	0.15%	0.18%	0.17%	0.13%	0.10%	0.15%
Total Phosphorus (P)	8.54%	9.00%	9.04%	7.60%	8.96%	7.95%
Potassium (K)	0.30%	0.33%	0.35%	0.29%	0.29%	0.32%
Other Nutr. (% dw)						
Calcium (Ca)	12.95%	14.44%	15.61%	15.13%	13.82%	13.90%
Iron (Fe)	0.71%	0.82%	0.75%	0.78%	0.55%	0.54%
Boron (B)					0.00%	
Sulfur (S)					1.09%	
Reg'd Metals (mg/kg)						
Manganese (Mn)	134.35	108.02	119.88	125.00	132.48	113.84
Arsenic (As)	4.26	4.32	7.02	7.05	5.73	3.77
Cadmium (Cd)	6.69	6.17	6.43	4.49	4.46	4.40
Chromium (Cr)	20.06	15.43	17.54	19.87	11.46	15.09
Copper (Cu)	141.03	106.79	114.04	100.00	171.97	105.03
Lead (Pb)	16.41	19.14	21.05	23.08	24.20	22.01
Mercury (Hg)	0.24	0.31	0.18	0.19	0.38	0.31
Molybdenum (Mo)	17.02	12.96	9.94	16.67	11.46	7.55
Nickel (Ni)	32.22	37.65	50.88	60.90	66.88	30.82
Selenium (Se)	4.86	4.94	2.92	5.77	5.10	6.29
Zinc (Zn)	454.71	395.68	337.43	427.56	424.84	321.38
Other Data (mg/kg)						
PCBs						
Reactive Cyanide (Cn)						

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Chattanooga **1/6/2014** through **12/29/2014**

Sample ID	03141074-001	03140841-001	03140615-001	03140348-001	03140081-001	02140848-001
Report Date	3/31/2014	3/24/2014	3/17/2014	3/10/2014	3/3/2014	2/24/2014
Date Sampled	3/31/2014	3/24/2014	3/17/2014	3/10/2014	3/3/2014	2/24/2014
Lab ID	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503
Date Received						
County						
pH	12.2	11.8	12.1	11.8	11.9	11.9
Solids (%)	29.10%	29.70%	30.90%	31.00%	30.90%	31.20%
Volatile (% dw)						
Primary Nutr. (% dw)						
Total Kjeldehl N	4.53%	4.31%	4.55%	4.00%	4.16%	4.11%
Organic N	4.21%	4.00%	4.34%	3.89%	3.98%	3.85%
Ammonia N	0.32%	0.31%	0.22%	0.10%	0.18%	0.25%
Total Phosphorus (P)	8.77%	8.83%	8.98%	7.46%	8.31%	10.10%
Potassium (K)	0.34%	0.38%	0.34%	0.31%	0.30%	0.31%
Other Nutr. (% dw)						
Calcium (Ca)	16.63%	16.03%	12.49%	14.52%	15.92%	12.95%
Iron (Fe)	0.64%	1.10%	0.51%	0.58%	0.95%	0.76%
Boron (B)			0.00%			0.00%
Sulfur (S)			0.70%			0.39%
Reg'd Metals (mg/kg)						
Manganese (Mn)	123.02	147.47	115.86	120.65	141.75	182.69
Arsenic (As)	4.12	4.71	1.94	2.58	2.59	3.85
Cadmium (Cd)	5.50	4.71	3.88	4.52	4.53	4.49
Chromium (Cr)	15.12	18.86	13.59	14.19	15.53	15.38
Copper (Cu)	119.59	109.09	83.50	87.10	91.26	121.79
Lead (Pb)	21.99	19.53	13.59	23.23	20.71	39.74
Mercury (Hg)	0.27	0.27	0.19	0.19	0.52	0.58
Molybdenum (Mo)	8.93	10.10	6.47	7.10	7.12	7.05
Nickel (Ni)	35.74	31.65	22.65	36.13	27.83	41.03
Selenium (Se)	6.19	6.06	5.18	4.52	3.88	7.69
Zinc (Zn)	361.51	360.27	307.44	350.32	357.28	453.85
Other Data (mg/kg)						
PCBs						
Reactive Cyanide (Cn)						

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Chattanooga **1/6/2014** through **12/29/2014**

Sample ID	02140605-001	02140339-001	02140081-001	01140855-001	01140639-001	01140390-001
Report Date	2/17/2014	2/10/2014	2/3/2014	1/27/2014	1/20/2014	1/13/2014
Date Sampled	2/17/2014	2/10/2014	2/3/2014	1/27/2014	1/20/2014	1/13/2014
Lab ID	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503	CENTRIFUGE CAKE 503
Date Received						
County						
pH	11.9	12	11.7	12.2	12	12.2
Solids (%)	33.20%	27.60%	30.30%	31.50%	30.20%	38.10%
Volatile (% dw)						
Primary Nutr. (% dw)						
Total Kjeldehl N	4.06%	5.33%	4.41%	3.31%	4.39%	3.23%
Organic N	3.84%	5.10%	4.18%	3.13%	4.10%	3.06%
Ammonia N	0.22%	0.23%	0.23%	0.18%	0.28%	0.16%
Total Phosphorus (P)	8.43%	9.85%	8.32%	8.82%	8.94%	7.65%
Potassium (K)	0.26%	0.33%	0.31%	0.40%	0.32%	0.27%
Other Nutr. (% dw)						
Calcium (Ca)	11.20%	12.68%	12.28%	13.90%	11.99%	11.39%
Iron (Fe)	0.54%	0.49%	0.60%	0.60%	0.58%	0.47%
Boron (B)				0.09%		
Sulfur (S)				0.91%		
Reg'd Metals (mg/kg)						
Manganese (Mn)	96.99	142.03	113.53	121.90	137.75	117.59
Arsenic (As)	3.01	2.90	3.30	4.44	3.31	2.62
Cadmium (Cd)	4.22	5.07	4.62	5.08	4.64	3.67
Chromium (Cr)	15.66	18.84	17.16	19.05	18.54	16.80
Copper (Cu)	93.98	121.74	118.81	116.19	136.42	120.73
Lead (Pb)	21.08	21.74	23.10	24.76	26.49	21.00
Mercury (Hg)	0.24	0.22	0.40	0.32	0.13	0.16
Molybdenum (Mo)	9.04	10.87	12.54	12.06	8.61	8.40
Nickel (Ni)	27.71	25.36	25.74	37.46	35.10	28.87
Selenium (Se)	6.63	6.52	7.26	5.08	4.64	4.72
Zinc (Zn)	312.65	379.71	371.62	389.84	439.07	367.98
Other Data (mg/kg)						
PCBs						
Reactive Cyanide (Cn)						

MATERIAL MANAGER *for biosolids*

Biosolids Characteristics

Source: Chattanooga **1/6/2014** through **12/29/2014**

Sample ID	01140168-001
Report Date	1/6/2014
Date Sampled	1/6/2014
Lab ID	CENTRIFUGE CAKE 503
Date Received	
County	
pH	12
Solids (%)	30.70%
Volatile (% dw)	
Primary Nutr. (% dw)	
Total Kjeldehl N	4.48%
Organic N	4.29%
Ammonia N	0.19%
Total Phosphorus (P)	8.78%
Potassium (K)	0.35%
Other Nutr. (% dw)	
Calcium (Ca)	13.03%
Iron (Fe)	0.53%
Boron (B)	
Sulfur (S)	
Reg'd Metals (mg/kg)	
Manganese (Mn)	114.01
Arsenic (As)	3.26
Cadmium (Cd)	5.21
Chromium (Cr)	19.54
Copper (Cu)	132.90
Lead (Pb)	24.76
Mercury (Hg)	0.13
Molybdenum (Mo)	8.47
Nickel (Ni)	24.10
Selenium (Se)	7.82
Zinc (Zn)	384.36
Other Data (mg/kg)	
PCBs	
Reactive Cyanide (Cn)	

APPENDIX D
503 PATHOGEN ANALYSES
FOR
2014 LAND APPLICATION

40CFR 503 ANNUAL SLUDGE REPORT
MOCCASIN BEND WWTP
CHATTANOOGA, TN
NPDES PERMIT NO. TN0024210

ANALYTICAL SERVICES, INC.
Microbiological Testing, Research and Consulting

130 Allen Brook Lane, Williston, VT 05495 USA
1.800.723.4432 / 802.878.5138 Fax: 802.878.6765
www.analyticalservices.com

Client: Moccasin Bend WWTP
455 Moccasin Bend Road
Chattanooga, TN 37405

ASI Project ID: 48092
Date Collected: 1/27/2014
Sample Receipt: 1/28/2014

Analytical Results

Client Sample ID	ASI Sample ID	Date/Time Collected	Parameter	Amount Analyzed	Result	Date/Time Analyzed		Lab
						Start	End	
Centrifuge Feed	48092-01	1/27/2014 8:35	Coliphage - Male Specific	0.242 g Dry Weight	1.0x10e4 PFU/g Dry Weight	1/28/14 @ 14:34	1/29/14 @ 7:10	ASI
			Enteric Viruses	4.02 g Dry Weight	<1 PFU/4.02g Dry Weight	1/29/2014 @ 10:40	2/20/2014	UNH
			Fecal Coliform	7.26 g Dry Weight	> 6.65x10e4 MPN/g Dry Weight	1/28/2014 @ 13:33	1/30/2014 @ 11:30	ASI
			Salmonella	7.26 g Dry Weight	9.31 MPN/4g	1/28/2014 @ 13:33	2/4/2014 @ 06:00	ASI
			Total Solids	30.80 g Wet Weight	2.42%	1/28/2014 @ 12:40	1/29/2014 @ 07:10	ASI
			Viable Helminth Ova	4.31 g Dry Weight	<1 VHO/4.31g Dry Weight	2/4/2014 @ 10:07	2/6/2014 @ 9:45	ASI
Centrifuge Biosolids MBEL# 01140855	48092-02	1/27/2014 7:35	Coliphage - Male Specific	2.94 g Dry Weight	<1 PFU/2.94 Dry Weight	1/28/14 @ 14:34	1/29/14 @ 7:10	ASI
			Enteric Viruses	5.01 g Dry Weight	<1 PFU/5.01g Dry Weight	1/29/2014 @ 10:40	2/11/2014	UNH
			Fecal Coliform	8.83 g Dry Weight	<6.12 MPN/g Dry Weight	1/28/2014 @ 13:33	1/30/2014 @ 11:30	ASI
			Salmonella	8.83 g Dry Weight	<0.88 MPN/4g	1/28/2014 @ 1:33:00 PM	1/30/2014 @ 07:00	ASI
			Total Solids	26.72 g Wet Weight	29.44%	1/28/2014 @ 12:40	1/29/2014 @ 07:10	ASI
			Viable Helminth Ova	10.92 g Dry Weight	<1 VHO/10.92g Dry Weight	2/4/2014 @ 10:05	2/5/2014 @ 15:38	ASI

Analytical Results

Client Sample ID	ASI Sample ID	Date/Time Collected	Parameter	Amount Analyzed	Result	Date/Time Analyzed		Lab
						Start	End	
Filter Press Feed	48092-03	1/27/2014 8:30	Coliphage - Male Specific	0.314 g Dry Weight	8.6x10e3 PFU/g Dry Weight	1/28/14 @ 14:34	1/29/14 @ 7:10	ASI
			Enteric Viruses	4.04 g Dry Weight	<1 PFU/4.04g Dry Weight	1/29/2014 @ 10:40	2/20/2014	UNH
			Fecal Coliform	9.42 g Dry Weight	> 5.12x10e4 MPN/g Dry Weight	1/28/2014 @ 13:33	1/30/2014 @ 11:30	ASI
			Salmonella	9.42 g Dry Weight	9.10 MPN/4g	1/28/2014 @ 13:33	2/4/2014 @ 06:00	ASI
			Total Solids	26.69 g Wet Weight	3.14%	1/28/2014 @ 12:40	1/29/2014 @ 07:10	ASI
			Viable Helminth Ova	4.14 g Dry Weight	<1 VHO/4.14g Dry Weight	2/4/2014 @ 10:15	2/6/2014 @ 10:30	ASI
Filter Press Biosolids MBEL# 01140857	48092-04	1/27/2014 7:25	Coliphage - Male Specific	5.85 g Dry Weight	<1 PFU/5.85 Dry Weight	1/28/14 @ 14:34	1/29/14 @ 7:10	ASI
			Enteric Viruses	4.07 g Dry Weight	<1 PFU/4.07g Dry Weight	1/29/2014 @ 10:40	2/15/2014	UNH
			Fecal Coliform	17.54 g Dry Weight	<3.08 MPN/g Dry Weight	1/28/2014 @ 13:33	1/30/2014 @ 11:30	ASI
			Salmonella	17.54 g Dry Weight	<0.44 MPN/4g	1/28/2014 @ 13:33	1/30/2014 @ 07:00	ASI
			Total Solids	25.89 g Wet Weight	58.45%	1/28/2014 @ 12:40	1/29/2014 @ 07:10	ASI
			Viable Helminth Ova	4.21 g Dry Weight	<1 VHO/4.21g Dry Weight	2/4/2014 @ 10:16	2/6/2014 @ 12:22	ASI

MPN = Most Probable Number; PFU = Plaque Forming Units; g = Grams

Methods Used under 40CFR Part 503

Enteric Viruses: ASTM Method D 4994-96. 1996. US EPA Manual of Methods for Virology. EPA/600/4-84/013 (R-10). EPA 625/R-92/013 App. H. Enteric Viruses
Fecal Coliform: Method 1680: Fecal Coliforms in Sewage Sludge (Biosolids) by Multiple-Tube Fermentation using Lauryl Tryptose Broth (LTB) and EC Medium. April 2011 EPA-821-R-10-003
Percent Solids: APHA, AWWA. WEF. Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998. Washington, DC. Method 2540G.
Salmonella: EPA Method 1682: Salmonella in Sewage Sludge (Biosolids) by Modified Semisolid Rappaport-Vassiliadis (MSRV) Medium. EPA-821-R-06-14
Viable helminth ova: Yanko, WA, Occurrence of Pathogens in Distribution and Marketing Municipal Sludges; EPA-600-I87-014, USEPA, 1988.
Male-Specific and Somatic Coliphage: EPA Method 1602: Male-specific (F+) and Somatic Coliphage in Water by Single Agar Layer (SAL) Procedure - a modification for solid samples.

UNH = University of New Hampshire, Dr. Aaron Margolin Laboratory Director
ASI = Analytical Services, Inc. is accredited by FL-DOH (Lab No. E871011) under NELAC for analysis of selected parameters in solid matrices.

Exceptions: **Fecal Coliform - Samples processed out of recommended 6 hour hold time (due to overnight shipping and next day receipt).**
***Salmonella* - Samples processed out of recommended 6 hour hold time (due to overnight shipping and next day receipt).**

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Microbiological Testing, Research and Consulting

130 Allen Brook Lane, Williston, VT 05495 USA
1.800.723.4432 / 802.878.5138 Fax: 802.878.6765
www.analyticalservices.com

Client: Moccasin Bend WWTP
455 Moccasin Bend Road
Chattanooga, TN 37405

ASI Project ID: 48918-R
Date Collected: 8/11/2014
Sample Receipt: 8/12/2014

Analytical Results

Client Sample ID	ASI Sample ID	Date/Time Collected	Parameter	Amount Analyzed	Result	Date/Time Analyzed		NELAC*	Lab
						Start	End		
Centrifuged Biosolids MBEL# 08140409	48918-01	08/11/2014 @ 08:47	Coliphage - Male Specific	3.93 g Dry Weight	<1 PFU/3.93 Dry Weight	08/13/2014 @ 16:25	08/14/2014 @ 12:09	-	ASI
			Enteric Viruses	5.35 g Dry Weight	<1 PFU/5.35 g Dry Weight	08/14/2014 @ 07:38	8/28/2014	-	UNH
			Fecal Coliform	11.8 g Dry Weight	<0.46 MPN/g Dry Weight	08/12/2014 @ 12:02	08/14/2014 @ 11:40	Y	ASI
			Salmonella	11.8 g Dry Weight	<0.66 MPN/4 g Dry Weight	08/12/2014 @ 12:02	08/14/2014 @ 06:50	Y	ASI
			Total Solids	25.52 g Wet Weight	39.34%	08/12/2014 @ 12:58	08/13/2014 @ 07:17	Y	ASI
			Viable Helminth Ova	4.52 g Dry Weight	1 VHO/ 4.52 g Dry Weight	09/02/2014 @ 10:51	09/23/2014 @ 08:45	Y	ASI
Filter Press Biosolids MBEL# 08140412	48918-02	08/11/2014 @ 08:40	Coliphage - Male Specific	5.31 g Dry Weight	<1 PFU/5.31 Dry Weight	08/13/2014 @ 16:25	08/14/2014 @ 12:09	-	ASI
			Enteric Viruses	6.98 g Dry Weight	<1 PFU/6.98 g Dry Weight	08/14/2014 @ 07:38	8/28/2014	-	UNH
			Fecal Coliform	15.92 g Dry Weight	<0.34 MPN/g Dry Weight	08/12/2014 @ 12:02	08/14/2014 @ 11:40	Y	ASI
			Salmonella	15.92 g Dry Weight	<0.49 MPN/4 g Dry Weight	08/12/2014 @ 12:02	08/14/2014 @ 06:50	Y	ASI
			Total Solids	25.44 g Wet Weight	53.08%	08/12/2014 @ 12:58	08/13/2014 @ 07:17	Y	ASI
			Viable Helminth Ova	5.57 g Dry Weight	<1 VHO/5.57 g Dry Weight	09/02/2014 @ 10:52	09/05/14 @ 08:46	Y	ASI

MPN = Most Probable Number; PFU = Plaque Forming Units; g = Grams

* NELAC - Denotes accreditation status for ASI for each reported parameter. "Y" indicates ASI is NELAC accredited for the parameter reported.

Analytical Results

Client Sample ID	ASI Sample ID	Date/Time Collected	Parameter	Amount Analyzed	Result	Date/Time Analyzed		NELAC*	Lab
						Start	End		
Centrifuge/F.P. Feed	48918-03	08/11/2014 @ 08:48	Coliphage - Male Specific	0.0097 g Dry Weight	**2.0×10^4 PFU/g Dry Weight**	08/13/2014 @ 16:25	08/14/2014 @ 12:09	-	ASI
			Enteric Viruses	4.03 g Dry Weight	<1 PFU/4.03 g Dry Weight	08/14/2014 @ 07:38	8/28/2014	-	UNH
			Fecal Coliform	5.79 g Dry Weight	**$>8.3 \times 10^4$ MPN/g Dry Weight**	08/12/2014 @ 12:02	08/14/2014 @ 11:40	Y	ASI
			Salmonella	5.79 g Dry Weight	**1.39 MPN/4g Dry Weight**	08/12/2014 @ 12:02	08/19/2014 @ 06:10	Y	ASI
			Total Solids	26.46 g Wet Weight	1.93%	08/12/2014 @ 12:58	08/13/2014 @ 07:17	Y	ASI
			Viable Helminth Ova	4.42 g Dry Weight	<1 VHO/4.42 g Dry Weight	09/02/2014 @ 10:55	09/05/2014 @ 09:01	Y	ASI

MPN = Most Probable Number; PFU = Plaque Forming Units; g = Grams

*** NELAC - Denotes accreditation status for ASI for each reported parameter. "Y" indicates ASI is NELAC accredited for the parameter reported.**

Methods Used under 40CFR Part 503

Enteric Viruses: ASTM Method D 4994-96. 1996. US EPA Manual of Methods for Virology. EPA/600/4-84/013 (R-10). EPA 625/R-92/013 App. H. Enteric Viruses
Fecal Coliform: Method 1680: Fecal Coliforms In Sewage Sludge (Biosolids) by Multiple-Tube Fermentation using Lauryl Tryptose Broth (LTB) and EC Medium. April 2011 EPA-821-R-10-003
Salmonella: EPA Method 1682: Salmonella in Sewage Sludge (Biosolids) by Modified Semisolid Rappaport-Vassiliadis (MSRV) Medium. EPA-821-R-06-14
Percent Solids: APHA, AWWA. WEF Standard Methods for the Examination of Water and Wastewater, 20th Edition. 1998. Washington, DC. Method 2540G.
Viable helmith ova: Yanko, WA, Occurrence of Pathogens in Distribution and Marketing Municipal Sludges, EPA-600-I87-014, USEPA, 1988.
Male-Specific Coliphage: EPA Method 1602: Male-specific (F+) and Somatic Coliphage in Water by Single Agar Layer (SAL) Procedure - a modification for solid samples.

UNH = University of New Hampshire, Dr. Aaron Margolin Laboratory Director
ASI = Analytical Services, Inc., NELAC FL-DOH (Lab No. E871011)

Exceptions:
Fecal Coliform - Samples processed out of recommended 6 hour hold time (due to overnight shipping and next day receipt).
Salmonella - Samples processed out of recommended 6 hour hold time (due to overnight shipping and next day receipt).

APPENDIX E
503 PCB AND TCLP ANALYSES
FOR
2014 LAND APPLICATION

40CFR 503 ANNUAL SLUDGE REPORT
MOCCASIN BEND WWTP
CHATTANOOGA, TN
NPDES PERMIT NO. TN0024210

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Mr. Paul Patterson
Moccasin Bend WWTP
455 Moccasin Bend Road
Chattanooga, TN 37405

Report Summary

Friday February 28, 2014

Report Number: L683514
Samples Received: 02/18/14
Client Project:

Description: Sludge Solids

2014 CENTRIFUGE BIOSOLIDS TCLP & PCBs

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Alan Harvill

T. Alan Harvill , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Mr. Paul Patterson
Moccasin Bend WWTP
455 Moccasin Bend Road
Chattanooga, TN 37405

February 28,2014

ESC Sample # : L683514-01

Date Received : February 18, 2014
Description : Sludge Solids

Site ID :

Sample ID : CENTRIFUGE BISOLIDS

Project :

Collected By : Samantha Bolin
Collection Date : 02/17/14 09:30

Parameter	Result	Det. Limit	Units	Limit	Method	Date/Time	By	Dil
TCLP Extraction	-				1311	02/19/14 0948	MVE	1
Mercury	BDL	0.0010	mg/l	0.20	7470A	02/20/14 1120	CHM	1
Arsenic	BDL	0.050	mg/l	5.0	6010B	02/20/14 1325	ST	1
Barium	0.25	0.15	mg/l	100	6010B	02/20/14 1325	ST	1
Cadmium	BDL	0.050	mg/l	1.0	6010B	02/20/14 1325	ST	1
Chromium	0.055	0.050	mg/l	5.0	6010B	02/20/14 1325	ST	1
Lead	BDL	0.050	mg/l	5.0	6010B	02/20/14 1325	ST	1
Selenium	0.11	0.050	mg/l	1.0	6010B	02/20/14 1325	ST	1
Silver	BDL	0.050	mg/l	5.0	6010B	02/20/14 1325	ST	1
TCLP ZHE Extraction	-				1311	02/20/14 0710	MVE	1
TCLP Volatiles								
Benzene	BDL	0.050	mg/l	0.50	8260B	02/20/14 1509	RB	1
Carbon tetrachloride	BDL	0.050	mg/l	0.50	8260B	02/20/14 1509	RB	1
Chlorobenzene	BDL	0.050	mg/l	100	8260B	02/20/14 1509	RB	1
Chloroform	BDL	0.25	mg/l	6.0	8260B	02/20/14 1509	RB	1
1,2-Dichloroethane	BDL	0.050	mg/l	0.50	8260B	02/20/14 1509	RB	1
1,1-Dichloroethene	BDL	0.050	mg/l	0.70	8260B	02/20/14 1509	RB	1
2-Butanone (MEK)	BDL	0.50	mg/l	200	8260B	02/20/14 1509	RB	1
Tetrachloroethene	BDL	0.050	mg/l	0.70	8260B	02/20/14 1509	RB	1
Trichloroethene	BDL	0.050	mg/l	0.50	8260B	02/20/14 1509	RB	1
Vinyl chloride	BDL	0.050	mg/l	0.20	8260B	02/20/14 1509	RB	1
Surrogate Recovery								
Toluene-d8	99.6		% Rec.	114.	8260B	02/20/14 1509	RB	1
Dibromofluoromethane	104.		% Rec.	125.	8260B	02/20/14 1509	RB	1
a,a,a-Trifluorotoluene	95.7		% Rec.	114.	8260B	02/20/14 1509	RB	1
4-Bromofluorobenzene	96.0		% Rec.	128.	8260B	02/20/14 1509	RB	1
TCLP Pesticides								
Chlordane	BDL	0.0050	mg/l	0.030	8081A	02/21/14 1522	CBB	1
Endrin	BDL	0.0050	mg/l	0.020	8081A	02/21/14 1522	CBB	1
Heptachlor	BDL	0.0050	mg/l	0.0080	8081A	02/21/14 1522	CBB	1
Lindane	BDL	0.0050	mg/l	0.40	8081A	02/21/14 1522	CBB	1
Methoxychlor	BDL	0.0050	mg/l	10.	8081A	02/21/14 1522	CBB	1
Toxaphene	BDL	0.010	mg/l	0.50	8081A	02/21/14 1522	CBB	1
Surrogate Recovery								
Decachlorobiphenyl	91.0		% Rec.	123.	8081A	02/21/14 1522	CBB	1
Tetrachloro-m-xylene	77.9		% Rec.	114.	8081A	02/21/14 1522	CBB	1
TCLP Herbicides								

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REPORT OF ANALYSIS

Mr. Paul Patterson
Moccasin Bend WWTP
455 Moccasin Bend Road
Chattanooga, TN 37405

February 28,2014

ESC Sample # : L683514-01

Date Received : February 18, 2014
Description : Sludge Solids

Site ID :

Sample ID : CENTRIFUGE BISOLIDS

Project :

Collected By : Samantha Bolin
Collection Date : 02/17/14 09:30

Parameter	Result	Det. Limit	Units	Limit	Method	Date/Time	By	Dil
2,4,5-TP (Silvex)	0.0084	0.0020	mg/l	1.0	8151A	02/20/14 2012	KLM	1
2,4-D	BDL	0.0020	mg/l	10.	8151A	02/20/14 2012	KLM	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	84.3		% Rec.		8151A	02/20/14 2012	KLM	1
TCLP Semi-Volatiles								
1,4-Dichlorobenzene	BDL	0.10	mg/l	7.5	8270C	02/28/14 1631	KMF	1
2,4-Dinitrotoluene	BDL	0.10	mg/l	0.13	8270C	02/28/14 1631	KMF	1
Hexachlorobenzene	BDL	0.10	mg/l	0.13	8270C	02/28/14 1631	KMF	1
Hexachloro-1,3-butadiene	BDL	0.10	mg/l	0.50	8270C	02/28/14 1631	KMF	1
Hexachloroethane	BDL	0.10	mg/l	3.0	8270C	02/28/14 1631	KMF	1
Nitrobenzene	BDL	0.10	mg/l	2.0	8270C	02/28/14 1631	KMF	1
Pyridine	BDL	0.10	mg/l	5.0	8270C	02/28/14 1631	KMF	1
3&4-Methyl Phenol	0.42	0.10	mg/l	400	8270C	02/28/14 1631	KMF	1
2-Methylphenol	BDL	0.10	mg/l	200	8270C	02/28/14 1631	KMF	1
Pentachlorophenol	BDL	0.10	mg/l	100	8270C	02/28/14 1631	KMF	1
2,4,5-Trichlorophenol	BDL	0.10	mg/l	400	8270C	02/28/14 1631	KMF	1
2,4,6-Trichlorophenol	BDL	0.10	mg/l	2.0	8270C	02/28/14 1631	KMF	1
Surrogate Recovery								
2-Fluorophenol	33.9		% Rec.	87.0	8270C	02/28/14 1631	KMF	1
Phenol-d5	26.6		% Rec.	67.0	8270C	02/28/14 1631	KMF	1
Nitrobenzene-d5	43.8		% Rec.	120.	8270C	02/28/14 1631	KMF	1
2-Fluorobiphenyl	56.6		% Rec.	122.	8270C	02/28/14 1631	KMF	1
2,4,6-Tribromophenol	72.8		% Rec.	148.	8270C	02/28/14 1631	KMF	1
p-Terphenyl-d14	50.9		% Rec.	149.	8270C	02/28/14 1631	KMF	1

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)
Limit - Maximum Contaminant Level as established by the US EPA
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 02/28/14 18:17 Printed: 02/28/14 18:17

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Fax (615) 758-5859

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REPORT OF ANALYSIS

Mr. Paul Patterson
Moccasin Bend WWTP
455 Moccasin Bend Road
Chattanooga, TN 37405

February 28,2014

ESC Sample # : L683514-02

Date Received : February 18, 2014
Description : Sludge Solids

Site ID :

Sample ID : CENTRIFUGE BISOLIDS

Project # :

Collected By : Samantha Bolin
Collection Date : 02/17/14 09:30

Parameter	W.Result	RDL	D.Result	RDL	Units	Method	Date
Total Solids	27.4	0.100	27.4		%	2540 G-2	02/21/14
Polychlorinated Biphenyls							
PCB 1016	BDL	0.051	BDL	0.19	mg/kg	8082	02/25/14
PCB 1221	BDL	0.051	BDL	0.19	mg/kg	8082	02/25/14
PCB 1232	BDL	0.051	BDL	0.19	mg/kg	8082	02/25/14
PCB 1242	BDL	0.051	BDL	0.19	mg/kg	8082	02/25/14
PCB 1248	BDL	0.051	BDL	0.19	mg/kg	8082	02/25/14
PCB 1254	BDL	0.051	BDL	0.19	mg/kg	8082	02/25/14
PCB 1260	BDL	0.051	BDL	0.19	mg/kg	8082	02/25/14
PCBs Surrogates							
Decachlorobiphenyl	58.2		58.2		% Rec.	8082	02/25/14
Tetrachloro-m-xylene	64.1		64.1		% Rec.	8082	02/25/14

BDL - Below Detection Limit
RDL - Detection Limit- Estimated Quantitation Limit(EQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.
Reported: 02/28/14 18:17 Printed: 02/28/14 18:17

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L683514-01	WG708610	SAMP	Pyridine	R2889106	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
02/28/14 at 18:17:51

:SR Signing Reports: 650

Sample: L683514-01 Account: MOCBENCTN Received: 02/18/14 09:30 Due Date: 02/27/14 00:00 RPT Date: 02/28/14 18:17

Sample: L683514-02 Account: MOCBENCTN Received: 02/18/14 09:30 Due Date: 02/27/14 00:00 RPT Date: 02/28/14 18:17

Moccasin Bend WWTP

455 Moccasin Bend Road
Chattanooga, TN 37405

Billing Information:
~~Debbie Davis~~ Mary Kendall
455 Moccasin Bend Road
Chattanooga, TN 37405

Report to: Mr. Paul Patterson

Email To: patterson_p@mail.chattanooga.gov

Project Description: Sludge Solids

City/State Collected: Chattanooga, TN

Phone: 423-757-5026
Fax:

Client Project #

Lab Project # MOCBENCTN-SLUDGE

Collected by (print): Samantha Bolin

Site/Facility ID #

P.O. #

Collected by (signature): Samantha Bolin

Immediately Packed on Ice N ____ Y ✓

Rush? (Lab MUST Be Notified)
____ Same Day 200%
____ Next Day 100%
____ Two Day 50%
____ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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L# L683571

Table # F054

Acctnum: MOCBENCTN
Template: T40121
Prelogin: P457916
TSR: 650 - Linda Cashman
PB: 2-3-14 NW
Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Full TCLP 1L-Clr-NoPres	SV8082 (PCBs) 4oz-Clr-NoPres	TSS-SLUDGE 2oz-Clr-NoPres						Rem./Contaminant	Sample # (lab only)
Centrifuge Biosolids	Comp	TCLP	N/A	2/17/14	9:30 A	1	X									01
Centrifuge Biosolids	Comp	SS	N/A	2/17/14	9:30 A	2		X	X							02

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: 5851 4716 1134

pH _____ Temp _____
Flow _____ Other _____

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Samantha Bolin	2/17/14	9:40A	Paul W. [redacted]
Paul W. [redacted]	2/17/14	10:15A	[redacted]
Relinquished by : (Signature) [redacted]	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ _____

Temp: 3.6 °C Bottles Received: 3

Date: 2/18/14 Time: 0930

Hold #

Condition: (lab use only) 3.6

COC Seal Intact: ✓ Y ___ N ___ NA

pH Checked: NCF:

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Est. 1970

Mr. Paul Patterson
Moccasin Bend WWTP
455 Moccasin Bend Road
Chattanooga, TN 37405

Report Summary

Friday February 28, 2014

Report Number: L683515
Samples Received: 02/18/14
Client Project:

Description: Sludge Solids

2014 FILTER PRESS BIOSOLIDS TCLP & PCBs

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Alan Harvill

T. Alan Harvill , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Mr. Paul Patterson
Moccasin Bend WWTP
455 Moccasin Bend Road
Chattanooga, TN 37405

February 28,2014

ESC Sample # : L683515-01

Date Received : February 18, 2014
Description : Sludge Solids

Site ID :

Sample ID : FILTER PRESS BIOSOLIDS

Project :

Collected By : Jesse Compton
Collection Date : 02/17/14 08:45

Parameter	Result	Det. Limit	Units	Limit	Method	Date/Time	By	Dil
TCLP Extraction	-				1311	02/19/14 0948	MVE	1
Mercury	BDL	0.0010	mg/l	0.20	7470A	02/20/14 1132	CHM	1
Arsenic	BDL	0.050	mg/l	5.0	6010B	02/20/14 1333	ST	1
Barium	BDL	0.15	mg/l	100	6010B	02/20/14 1333	ST	1
Cadmium	BDL	0.050	mg/l	1.0	6010B	02/20/14 1333	ST	1
Chromium	BDL	0.050	mg/l	5.0	6010B	02/20/14 1333	ST	1
Lead	BDL	0.050	mg/l	5.0	6010B	02/20/14 1333	ST	1
Selenium	0.075	0.050	mg/l	1.0	6010B	02/20/14 1333	ST	1
Silver	BDL	0.050	mg/l	5.0	6010B	02/20/14 1333	ST	1
TCLP ZHE Extraction	-				1311	02/20/14 0710	MVE	1
TCLP Volatiles								
Benzene	BDL	0.050	mg/l	0.50	8260B	02/20/14 1529	RB	1
Carbon tetrachloride	BDL	0.050	mg/l	0.50	8260B	02/20/14 1529	RB	1
Chlorobenzene	BDL	0.050	mg/l	100	8260B	02/20/14 1529	RB	1
Chloroform	BDL	0.25	mg/l	6.0	8260B	02/20/14 1529	RB	1
1,2-Dichloroethane	BDL	0.050	mg/l	0.50	8260B	02/20/14 1529	RB	1
1,1-Dichloroethene	BDL	0.050	mg/l	0.70	8260B	02/20/14 1529	RB	1
2-Butanone (MEK)	BDL	0.50	mg/l	200	8260B	02/20/14 1529	RB	1
Tetrachloroethene	BDL	0.050	mg/l	0.70	8260B	02/20/14 1529	RB	1
Trichloroethene	BDL	0.050	mg/l	0.50	8260B	02/20/14 1529	RB	1
Vinyl chloride	BDL	0.050	mg/l	0.20	8260B	02/20/14 1529	RB	1
Surrogate Recovery								
Toluene-d8	100.		% Rec.	114.	8260B	02/20/14 1529	RB	1
Dibromofluoromethane	106.		% Rec.	125.	8260B	02/20/14 1529	RB	1
a,a,a-Trifluorotoluene	95.7		% Rec.	114.	8260B	02/20/14 1529	RB	1
4-Bromofluorobenzene	97.2		% Rec.	128.	8260B	02/20/14 1529	RB	1
TCLP Pesticides								
Chlordane	BDL	0.0050	mg/l	0.030	8081A	02/21/14 1534	CBB	1
Endrin	BDL	0.0050	mg/l	0.020	8081A	02/21/14 1534	CBB	1
Heptachlor	BDL	0.0050	mg/l	0.0080	8081A	02/21/14 1534	CBB	1
Lindane	BDL	0.0050	mg/l	0.40	8081A	02/21/14 1534	CBB	1
Methoxychlor	BDL	0.0050	mg/l	10.	8081A	02/21/14 1534	CBB	1
Toxaphene	BDL	0.010	mg/l	0.50	8081A	02/21/14 1534	CBB	1
Surrogate Recovery								
Decachlorobiphenyl	79.8		% Rec.	123.	8081A	02/21/14 1534	CBB	1
Tetrachloro-m-xylene	76.1		% Rec.	114.	8081A	02/21/14 1534	CBB	1
TCLP Herbicides								

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REPORT OF ANALYSIS

Mr. Paul Patterson
Moccasin Bend WWTP
455 Moccasin Bend Road
Chattanooga, TN 37405

February 28,2014

ESC Sample # : L683515-01

Date Received : February 18, 2014
Description : Sludge Solids

Site ID :

Sample ID : FILTER PRESS BIOSOLIDS

Project :

Collected By : Jesse Compton
Collection Date : 02/17/14 08:45

Parameter	Result	Det. Limit	Units	Limit	Method	Date/Time	By	Dil
2,4,5-TP (Silvex)	0.0079	0.0020	mg/l	1.0	8151A	02/20/14 2026	KLM	1
2,4-D	BDL	0.0020	mg/l	10.	8151A	02/20/14 2026	KLM	1
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	110.		% Rec.		8151A	02/20/14 2026	KLM	1
TCLP Semi-Volatiles								
1,4-Dichlorobenzene	BDL	0.10	mg/l	7.5	8270C	02/28/14 1655	KMF	1
2,4-Dinitrotoluene	BDL	0.10	mg/l	0.13	8270C	02/28/14 1655	KMF	1
Hexachlorobenzene	BDL	0.10	mg/l	0.13	8270C	02/28/14 1655	KMF	1
Hexachloro-1,3-butadiene	BDL	0.10	mg/l	0.50	8270C	02/28/14 1655	KMF	1
Hexachloroethane	BDL	0.10	mg/l	3.0	8270C	02/28/14 1655	KMF	1
Nitrobenzene	BDL	0.10	mg/l	2.0	8270C	02/28/14 1655	KMF	1
Pyridine	BDL	0.10	mg/l	5.0	8270C	02/28/14 1655	KMF	1
3&4-Methyl Phenol	0.22	0.10	mg/l	400	8270C	02/28/14 1655	KMF	1
2-Methylphenol	BDL	0.10	mg/l	200	8270C	02/28/14 1655	KMF	1
Pentachlorophenol	BDL	0.10	mg/l	100	8270C	02/28/14 1655	KMF	1
2,4,5-Trichlorophenol	BDL	0.10	mg/l	400	8270C	02/28/14 1655	KMF	1
2,4,6-Trichlorophenol	BDL	0.10	mg/l	2.0	8270C	02/28/14 1655	KMF	1
Surrogate Recovery								
2-Fluorophenol	40.6		% Rec.	87.0	8270C	02/28/14 1655	KMF	1
Phenol-d5	29.6		% Rec.	67.0	8270C	02/28/14 1655	KMF	1
Nitrobenzene-d5	40.6		% Rec.	120.	8270C	02/28/14 1655	KMF	1
2-Fluorobiphenyl	50.1		% Rec.	122.	8270C	02/28/14 1655	KMF	1
2,4,6-Tribromophenol	79.9		% Rec.	148.	8270C	02/28/14 1655	KMF	1
p-Terphenyl-d14	44.5		% Rec.	149.	8270C	02/28/14 1655	KMF	1

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)
Limit - Maximum Contaminant Level as established by the US EPA
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 02/28/14 18:17 Printed: 02/28/14 18:17

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REPORT OF ANALYSIS

Mr. Paul Patterson
Moccasin Bend WWTP
455 Moccasin Bend Road
Chattanooga, TN 37405

February 28,2014

ESC Sample # : L683515-02

Date Received : February 18, 2014
Description : Sludge Solids

Site ID :

Sample ID : FILTER PRESS BIOSOLIDS

Project # :

Collected By : Jesse Compton
Collection Date : 02/17/14 08:45

Parameter	W.Result	RDL	D.Result	RDL	Units	Method	Date
Total Solids	51.5	0.100	51.5		%	2540 G-2	02/21/14
Polychlorinated Biphenyls							
PCB 1016	BDL	0.051	BDL	0.099	mg/kg	8082	02/26/14
PCB 1221	BDL	0.051	BDL	0.099	mg/kg	8082	02/26/14
PCB 1232	BDL	0.051	BDL	0.099	mg/kg	8082	02/26/14
PCB 1242	BDL	0.051	BDL	0.099	mg/kg	8082	02/26/14
PCB 1248	BDL	0.051	BDL	0.099	mg/kg	8082	02/26/14
PCB 1254	BDL	0.051	BDL	0.099	mg/kg	8082	02/26/14
PCB 1260	BDL	0.051	BDL	0.099	mg/kg	8082	02/26/14
PCBs Surrogates							
Decachlorobiphenyl	53.5		53.5		% Rec.	8082	02/26/14
Tetrachloro-m-xylene	61.6		61.6		% Rec.	8082	02/26/14

BDL - Below Detection Limit
RDL - Detection Limit- Estimated Quantitation Limit(EQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 02/28/14 18:17 Printed: 02/28/14 18:17

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L683515-01	WG708610	SAMP	Pyridine	R2889106	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
02/28/14 at 18:17:51

SR Signing Reports: 650

Sample: L683515-01 Account: MOCBENCTN Received: 02/18/14 09:30 Due Date: 02/27/14 00:00 RPT Date: 02/28/14 18:17

Sample: L683515-02 Account: MOCBENCTN Received: 02/18/14 09:30 Due Date: 02/27/14 00:00 RPT Date: 02/28/14 18:17

Moccas... Bend WWTP

455 Moccasin Bend Road
Chattanooga, TN 37405

Billing Information:
~~Debbie Davis~~ Mary Randall
455 Moccasin Bend Road
Chattanooga, TN 37405

Report to: Mr. Paul Patterson

Email To: patterson_p@mail.chattanooga.gov

Project Description: Sludge Solids

City/State Collected: Chattanooga, TN.

Phone: 423-757-5026
Fax:

Client Project #

Lab Project #: MOCBENCTN-SLUDGE

Collected by (print): Jesse Compton

Site/Facility ID #

P.O. #

Collected by (signature): Jesse D. Compton
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X_Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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L# 1683515
Table # F055
Acctnum: MOCBENCTN
Template: T40121
Prelogin: P457915
TSR: 650 - Linda Cashman
PB: 2-3-14 MB
Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Full TCLP 31-Clr-NoPres	SV8082 (PCBs) 4oz-Clr-NoPres	TSSLUDGE 2oz-Clr-NoPres							Rem./Contaminant	Sample # (lab only)
Filter Press Biosolids	Comp.	TCLP	N/A	2/17/14	8:45A	1	X										01
Filter Press Biosolids	Comp.	SS	N/A	2/17/14	8:45A	2		X	X								02

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: 5851 4XN 1134

pH _____ Temp _____
Flow _____ Other _____

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Jesse D. Compton	2/17/14	9:00Am	Paul W. [illegible]
Relinquished by : (Signature) Paul W. [illegible]	2/17/14	10:15Am	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [illegible]

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ____

Temp: 3.6 °C Bottles Received: 3

Date 2/18/14 Time: 0830

Hold #

Condition: (lab use only) OK JV

COC Seal Intact: ✓ Y ___N ___NA

pH Checked: NCF:

APPENDIX F
503 GRAB SAMPLES
FECAL COLIFORM ANALYSES
FOR
2014 LAND APPLICATION

40CFR 503 ANNUAL SLUDGE REPORT
MOCCASIN BEND WWTP
CHATTANOOGA, TN
NPDES PERMIT NO. TN0024210

Pathogen Requirement (Alternative 1) Basis of Part 503 Fecal Coliform Testing Plan. Table 6, page 135, "Plain English Guide" – 'Geometric means of seven (7) samples taken over a two (2) week period'.

White House Manual (EPA/625/R.92/013) – states on page 81-82: "It is recommended that multiple samples ($\geq$7) be taken over a period of two (2) weeks in order to adequately represent sludge quality". See also, p. 78, first full paragraph.

MOCCASIN BEND WASTEWATER TREATMENT PLANT
LABORATORY ANALYSIS SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
FECAL COLIFORM

DATE	CENTRIFUGE (cfu/g)	FILTER PRESS (cfu/g)
01/01/14		
01/02/14	<1,000	
01/03/14	<1,000	
01/04/14		
01/05/14		
01/06/14	<1,000	
01/07/14	<1,000	
01/08/14	<1,000	
01/09/14	<1,000	
01/10/14	<1,000	
01/11/14		
01/12/14		
01/13/14		
01/14/14		
01/15/14		
01/16/14		
01/17/14		
01/18/14		
01/19/14		
01/20/14		
01/21/14		
01/22/14		<1,000
01/23/14		<1,000
01/24/14		<1,000
01/25/14		
01/26/14		
01/27/14		
01/28/14		
01/29/14		
01/30/14		
01/31/14		
Geometric Mean	<1,000	<1,000

OPS Database: Solids Handling

OPS Report Name: Lab Fecal Grab Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
LABORATORY ANALYSIS SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
FECAL COLIFORM

DATE	CENTRIFUGE (cfu/g)	FILTER PRESS (cfu/g)
02/01/14		
02/02/14		
02/03/14	<1,000	
02/04/14	<1,000	
02/05/14	<1,000	
02/06/14	<1,000	
02/07/14	<1,000	
02/08/14		
02/09/14		
02/10/14	<1,000	
02/11/14	<1,000	<1,000
02/12/14		
02/13/14		
02/14/14		<1,000
02/15/14		
02/16/14		
02/17/14		
02/18/14		
02/19/14		
02/20/14		
02/21/14		
02/22/14		
02/23/14		
02/24/14		
02/25/14		
02/26/14		
02/27/14		
02/28/14		
Geometric Mean	<1,000	<1,000

OPS Database: Solids Handling

OPS Report Name: Lab Fecal Grab Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
LABORATORY ANALYSIS SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
FECAL COLIFORM

DATE	CENTRIFUGE (cfu/g)	FILTER PRESS (cfu/g)
03/01/14		
03/02/14		
03/03/14	<1,000	
03/04/14	<1,000	
03/05/14	<1,000	
03/06/14	<1,000	<1,000
03/07/14	<1,000	<1,000
03/08/14		
03/09/14		
03/10/14	<1,000	
03/11/14	<1,000	
03/12/14		<1,000
03/13/14		<1,000
03/14/14		<1,000
03/15/14		
03/16/14		
03/17/14		
03/18/14		
03/19/14		
03/20/14		
03/21/14		
03/22/14		
03/23/14		
03/24/14		
03/25/14		
03/26/14		
03/27/14		
03/28/14		
03/29/14		
03/30/14		
03/31/14		
Geometric Mean	<1,000	<1,000

OPS Database: Solids Handling

OPS Report Name: Lab Fecal Grab Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
LABORATORY ANALYSIS SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
FECAL COLIFORM

DATE	CENTRIFUGE (cfu/g)	FILTER PRESS (cfu/g)
04/01/14	<1,000	
04/02/14	<1,000	
04/03/14	<1,000	
04/04/14	<1,000	
04/05/14		
04/06/14		
04/07/14	<1,000	
04/08/14	<1,000	<1,000
04/09/14	<1,000	<1,000
04/10/14		<1,000
04/11/14		<1,000
04/12/14		
04/13/14		
04/14/14		
04/15/14		
04/16/14		
04/17/14		
04/18/14		
04/19/14		
04/20/14		
04/21/14		
04/22/14		
04/23/14		
04/24/14		
04/25/14		
04/26/14		
04/27/14		
04/28/14		
04/29/14		
04/30/14		
05/01/14		
Geometric Mean	<1,000	<1,000

OPS Database: Solids Handling

OPS Report Name: Lab Fecal Grab Report

Note: Only 4 filter press samples could be obtained due to limited operation of the process this month.

MOCCASIN BEND WASTEWATER TREATMENT PLANT
LABORATORY ANALYSIS SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
FECAL COLIFORM

DATE	CENTRIFUGE (cfu/g)	FILTER PRESS (cfu/g)
05/01/14	<1,000	<1,000
05/02/14	<1,000	
05/03/14		
05/04/14		
05/05/14	<1,000	
05/06/14	<1,000	<1,000
05/07/14	<1,000	<1,000
05/08/14	<1,000	<1,000
05/09/14	<1,000	<1,000
05/10/14		
05/11/14		
05/12/14		
05/13/14		<1,000
05/14/14		<1,000
05/15/14		
05/16/14		
05/17/14		
05/18/14		
05/19/14		
05/20/14		
05/21/14		
05/22/14		
05/23/14		
05/24/14		
05/25/14		
05/26/14		
05/27/14		
05/28/14		
05/29/14		
05/30/14		
05/31/14		
Geometric Mean	<1,000	<1,000

OPS Database: Solids Handling

OPS Report Name: Lab Fecal Grab Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
LABORATORY ANALYSIS SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
FECAL COLIFORM

DATE	CENTRIFUGE (cfu/g)	FILTER PRESS (cfu/g)
06/01/14		
06/02/14	<1,000	
06/03/14	<1,000	<1,000
06/04/14	<1,000	<1,000
06/05/14	<1,000	<1,000
06/06/14	<1,000	<1,000
06/07/14		
06/08/14		
06/09/14	<1,000	
06/10/14	<1,000	<1,000
06/11/14		<1,000
06/12/14		<1,000
06/13/14		
06/14/14		
06/15/14		
06/16/14		
06/17/14		
06/18/14		
06/19/14		
06/20/14		
06/21/14		
06/22/14		
06/23/14		
06/24/14		
06/25/14		
06/26/14		
06/27/14		
06/28/14		
06/29/14		
06/30/14		
Geometric Mean	<1,000	<1,000

OPS Database: Solids Handling

OPS Report Name: Lab Fecal Grab Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
LABORATORY ANALYSIS SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
FECAL COLIFORM

DATE	CENTRIFUGE (cfu/g)	FILTER PRESS (cfu/g)
08/01/14		
08/02/14		
08/03/14		
08/04/14	<1,000	
08/05/14	<1,000	<1,000
08/06/14	<1,000	<1,000
08/07/14	<1,000	<1,000
08/08/14	<1,000	
08/09/14		
08/10/14		
08/11/14	<1,000	
08/12/14	<1,000	<1,000
08/13/14		<1,000
08/14/14		<1,000
08/15/14		<1,000
08/16/14		
08/17/14		
08/18/14		
08/19/14		
08/20/14		
08/21/14		
08/22/14		
08/23/14		
08/24/14		
08/25/14		
08/26/14		
08/27/14		
08/28/14		
08/29/14		
08/30/14		
08/31/14		
Geometric Mean	<1,000	<1,000

OPS Database: Solids Handling

OPS Report Name: Lab Fecal Grab Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
LABORATORY ANALYSIS SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
FECAL COLIFORM

DATE	CENTRIFUGE (cfu/g)	FILTER PRESS (cfu/g)
09/01/14		
09/02/14	<1,000	
09/03/14	<1,000	<1,000
09/04/14	<1,000	<1,000
09/05/14	<1,000	<1,000
09/06/14		
09/07/14		
09/08/14	<1,000	
09/09/14	<1,000	<1,000
09/10/14	<1,000	<1,000
09/11/14		
09/12/14		
09/13/14		
09/14/14		
09/15/14		
09/16/14		
09/17/14		
09/18/14		
09/19/14		
09/20/14		
09/21/14		
09/22/14		
09/23/14		
09/24/14		
09/25/14		
09/26/14		
09/27/14		
09/28/14		
09/29/14		
09/30/14		<1,000
Geometric Mean	<1,000	<1,000

OPS Database: Solids Handling

OPS Report Name: Lab Fecal Grab Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
LABORATORY ANALYSIS SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
FECAL COLIFORM

DATE	CENTRIFUGE (cfu/g)	FILTER PRESS (cfu/g)
10/01/14	<1,000	<1,000
10/02/14	<1,000	<1,000
10/03/14	<1,000	<1,000
10/04/14		
10/05/14		
10/06/14	<1,000	<1,000
10/07/14	<1,000	
10/08/14	<1,000	<1,000
10/09/14	<1,000	<1,000
10/10/14		<1,000
10/11/14		
10/12/14		
10/13/14		
10/14/14		
10/15/14		
10/16/14		
10/17/14		
10/18/14		
10/19/14		
10/20/14		
10/21/14		
10/22/14		
10/23/14		
10/24/14		
10/25/14		
10/26/14		
10/27/14		
10/28/14		
10/29/14		
10/30/14		
10/31/14		
Geometric Mean	<1,000	<1,000

OPS Database: Solids Handling

OPS Report Name: Lab Fecal Grab Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
LABORATORY ANALYSIS SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
FECAL COLIFORM

DATE	CENTRIFUGE (cfu/g)	FILTER PRESS (cfu/g)
11/01/14		
11/02/14		
11/03/14	<1,000	
11/04/14	<1,000	
11/05/14	<1,000	
11/06/14	<1,000	
11/07/14	<1,000	
11/08/14		
11/09/14		
11/10/14	<1,000	
11/11/14	<1,000	
11/12/14		
11/13/14		
11/14/14		
11/15/14		
11/16/14		
11/17/14		
11/18/14		<1,000 *
11/19/14		<1,000
11/20/14		<1,000
11/21/14		
11/22/14		
11/23/14		
11/24/14		
11/25/14		
11/26/14		
11/27/14		
11/28/14		
11/29/14		
11/30/14		
Geometric Mean	<1,000	<1,000

OPS Database: Solids Handling OPS Report Name: Lab Fecal Grab Report

*Only 3 FP samples were available for analysis this month. -PWP

MOCCASIN BEND WASTEWATER TREATMENT PLANT
LABORATORY ANALYSIS SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
FECAL COLIFORM

DATE	CENTRIFUGE (cfu/g)	FILTER PRESS (cfu/g)
12/01/14	<1,000	
12/02/14	<1,000	<1,000
12/03/14	<1,000	<1,000
12/04/14	<1,000	<1,000
12/05/14	<1,000	<1,000
12/06/14		
12/07/14		
12/08/14	<1,000	
12/09/14	<1,000	<1,000
12/10/14		<1,000
12/11/14		<1,000
12/12/14		
12/13/14		
12/14/14		
12/15/14		
12/16/14		
12/17/14		
12/18/14		
12/19/14		
12/20/14		
12/21/14		
12/22/14		
12/23/14		
12/24/14		
12/25/14		
12/26/14		
12/27/14		
12/28/14		
12/29/14		
12/30/14		
12/31/14		
Geometric Mean	<1,000	<1,000

OPS Database: Solids Handling

OPS Report Name: Lab Fecal Grab Report

APPENDIX G
503 GRAB SAMPLES
TEMPERATURE-COMPENSATED pH (s.u.)
FOR
2014 LAND APPLICATION

40CFR 503 ANNUAL SLUDGE REPORT
MOCCASIN BEND WWTP
CHATTANOOGA, TN
NPDES PERMIT NO. TN0024210

The pH of sewage sludge shall be raised to 12 or higher by alkali addition and, without the addition of more alkali, shall remain at 12 or higher for two hours and then at 11.5 or higher for an additional 22 hours. EPA 503.33(b) (6)

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
TEMPERATURE-COMPENSATED pH (S.U.)

DATE	CENTRIFUGE BUILDING #1 Time from Production			CENTRIFUGE BUILDING #2 Time from Production		
	O Hours	2 Hours	24 Hours	O Hours	2 Hours	24 Hours
01/01/14				12.4	12.4	11.7
01/02/14				12.5	12.5	11.8
01/03/14				12.6	12.5	11.8
01/04/14						
01/05/14						
01/06/14				12.4	12.5	11.8
01/07/14				12.4	12.4	11.6
01/08/14				12.4	12.5	12.0
01/09/14				12.3	12.5	11.9
01/10/14				12.4	12.5	11.8
01/11/14						
01/12/14						
01/13/14	12.5	12.3	12.1	12.3	12.4	12.2
01/14/14	12.3	12.2	12.2	12.5	12.4	12.2
01/15/14	12.4	12.5	12.1	12.4	12.3	11.9
01/16/14	12.3	12.3	12.1	12.4	12.3	12.0
01/17/14	12.4	12.4	12.3	12.5	12.4	12.0
01/18/14						
01/19/14						
01/20/14						
01/21/14				12.5	12.4	12.0
01/22/14				12.1	12.3	11.8
01/23/14				12.3	12.3	12.1
01/24/14				12.5	12.4	12.0
01/25/14						
01/26/14						
01/27/14				12.4	12.4	12.0
01/28/14				12.5	12.2	12.0
01/29/14				12.1	12.4	12.0
01/30/14				12.3	12.4	11.9
01/31/14	12.0	12.4	12.0	12.3	12.3	11.9

Note: On days when a centrifuge does not run on day shift, only a 24-hour pH will appear.

OPS Database: Solids Handling

OPS Report Name: Lab Biosolids Adjusted pH Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #1			Press #2		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
01/01/14						
01/02/14						
01/03/14						
01/04/14						
01/05/14						
01/06/14						
01/07/14						
01/08/14						
01/09/14						
01/10/14						
01/11/14						
01/12/14						
01/13/14						
01/14/14						
01/15/14						
01/16/14						
01/17/14						
01/18/14						
01/19/14						
01/20/14						
01/21/14						
01/22/14				12.5	12.4	11.9
01/23/14				12.4	12.4	11.8
01/24/14				12.5	12.4	11.7
01/25/14						
01/26/14						
01/27/14						
01/28/14						
01/29/14						
01/30/14						
01/31/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #3			Press #5		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
01/01/14						
01/02/14						
01/03/14						
01/04/14						
01/05/14						
01/06/14						
01/07/14						
01/08/14						
01/09/14						
01/10/14						
01/11/14						
01/12/14						
01/13/14						
01/14/14						
01/15/14						
01/16/14						
01/17/14						
01/18/14						
01/19/14						
01/20/14						
01/21/14						
01/22/14	12.5	12.4	11.7			
01/23/14	12.4	12.2	11.8			
01/24/14	12.4	12.3	11.8			
01/25/14						
01/26/14						
01/27/14						
01/28/14						
01/29/14						
01/30/14						
01/31/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #6			Press #7		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
01/01/14						
01/02/14						
01/03/14						
01/04/14						
01/05/14						
01/06/14						
01/07/14						
01/08/14						
01/09/14						
01/10/14						
01/11/14						
01/12/14						
01/13/14						
01/14/14						
01/15/14						
01/16/14						
01/17/14						
01/18/14						
01/19/14						
01/20/14						
01/21/14						
01/22/14	12.5	12.3	12.0	12.2	12.4	12.0
01/23/14	12.5	12.3	11.9	12.5	12.3	12.0
01/24/14	12.4	12.2	12.0	12.4	12.3	12.0
01/25/14						
01/26/14						
01/27/14						
01/28/14						
01/29/14						
01/30/14						
01/31/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
TEMPERATURE-COMPENSATED pH (S.U.)

DATE	CENTRIFUGE BUILDING #1 Time from Production			CENTRIFUGE BUILDING #2 Time from Production		
	O Hours	2 Hours	24 Hours	O Hours	2 Hours	24 Hours
02/01/14						
02/02/14						
02/03/14				12.2	12.3	11.9
02/04/14				12.4	12.3	12.0
02/05/14				12.3	12.3	12.1
02/06/14				12.4	12.4	11.9
02/07/14				12.4	12.4	12.0
02/08/14						
02/09/14						
02/10/14				12.5	12.4	11.9
02/11/14				12.4	12.4	11.8
02/12/14				12.5	12.5	11.8
02/13/14				12.3	12.5	11.8
02/14/14				12.4	12.4	11.6
02/15/14						
02/16/14						
02/17/14	12.2	12.2	11.8	12.4	12.3	11.7
02/18/14	12.4	12.4	11.5	12.5	12.1	11.7
02/19/14	12.3	12.4	12.0	12.4	12.2	11.8
02/20/14	12.5	12.3	12.0	12.3	12.2	12.0
02/21/14				12.4	12.3	11.9
02/22/14						
02/23/14						
02/24/14	12.4	12.3	12.0	12.5	12.5	12.1
02/25/14	12.4	12.3	11.8	12.3	12.3	11.8
02/26/14	12.4	12.5	11.9	12.3	12.3	11.7
02/27/14				12.4	12.4	11.6
02/28/14				12.2	12.4	11.7

Note: On days when a centrifuge does not run on day shift, only a 24-hour pH will appear.

OPS Database: Solids Handling

OPS Report Name: Lab Biosolids Adjusted pH Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #1			Press #2		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
02/01/14						
02/02/14						
02/03/14				12.4	12.3	11.6
02/04/14						
02/05/14						
02/06/14						
02/07/14						
02/08/14						
02/09/14						
02/10/14				12.3	12.3	11.5
02/11/14				12.2	12.3	11.6
02/12/14				12.3	12.2	11.6
02/13/14				12.3	12.3	11.6
02/14/14				12.2	12.3	11.6
02/15/14						
02/16/14						
02/17/14						
02/18/14						
02/19/14						
02/20/14						
02/21/14						
02/22/14						
02/23/14						
02/24/14						
02/25/14						
02/26/14						
02/27/14						
02/28/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #3			Press #5		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
02/01/14						
02/02/14						
02/03/14						
02/04/14						
02/05/14						
02/06/14						
02/07/14						
02/08/14						
02/09/14						
02/10/14	12.3	12.3	11.5			
02/11/14	12.2	12.2	11.5			
02/12/14	12.2	12.2	11.6			
02/13/14	12.3	12.3	11.6			
02/14/14	12.3	12.3	11.6			
02/15/14						
02/16/14						
02/17/14						
02/18/14						
02/19/14						
02/20/14						
02/21/14						
02/22/14						
02/23/14						
02/24/14						
02/25/14						
02/26/14						
02/27/14						
02/28/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #6			Press #7		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
02/01/14						
02/02/14						
02/03/14						
02/04/14						
02/05/14						
02/06/14						
02/07/14						
02/08/14						
02/09/14						
02/10/14	12.3	12.3	11.5	12.3	12.2	11.5
02/11/14	12.2	12.2	11.5	12.3	12.3	11.6
02/12/14	12.2	12.2	11.5	12.2	12.2	11.5
02/13/14	12.3	12.2	11.5	12.3	12.3	11.6
02/14/14	12.3	12.2	11.6	12.2	12.2	11.6
02/15/14						
02/16/14						
02/17/14						
02/18/14						
02/19/14						
02/20/14						
02/21/14						
02/22/14						
02/23/14						
02/24/14						
02/25/14						
02/26/14						
02/27/14						
02/28/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
TEMPERATURE-COMPENSATED pH (S.U.)

DATE	CENTRIFUGE BUILDING #1 Time from Production			CENTRIFUGE BUILDING #2 Time from Production		
	O Hours	2 Hours	24 Hours	O Hours	2 Hours	24 Hours
03/01/14						
03/02/14						
03/03/14				12.4	12.2	11.9
03/04/14				12.2	12.4	11.8
03/05/14				12.3	12.3	11.9
03/06/14				12.2	12.3	11.8
03/07/14				12.2	12.3	11.6
03/08/14						
03/09/14						
03/10/14				12.4	12.3	11.9
03/11/14				12.3	12.2	11.7
03/12/14				12.2	12.2	11.8
03/13/14				12.3	12.4	11.5
03/14/14				12.3	12.3	11.6
03/15/14						
03/16/14						
03/17/14	12.3	12.2	11.7	12.4	12.4	11.9
03/18/14	12.2	12.2	12.0	12.4	12.4	11.8
03/19/14	12.3	12.0	12.0	12.3	12.3	11.8
03/20/14	12.2	12.3	12.0	12.2	12.2	11.9
03/21/14	12.4	12.4	12.0	12.4	12.3	11.9
03/22/14						
03/23/14						
03/24/14	12.4	12.4	11.7	12.3	12.2	11.8
03/25/14	12.3	12.2	12.0	12.2	12.1	12.0
03/26/14	12.3	12.3	11.9	12.3	12.2	11.8
03/27/14	12.3	12.3	12.0	12.2	12.3	11.8
03/28/14	12.4	12.4	11.7	12.3	12.2	11.8
03/29/14						
03/30/14						
03/31/14	12.5	12.4	12.2	12.5	12.5	12.1

Note: On days when a centrifuge does not run on day shift, only a 24-hour pH will appear.

OPS Database: Solids Handling

OPS Report Name: Lab Biosolids Adjusted pH Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #1			Press #2		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
03/01/14						
03/02/14						
03/03/14						
03/04/14				12.3	12.3	11.7
03/05/14				12.3	12.3	11.7
03/06/14				12.3	12.4	11.7
03/07/14				12.3	12.3	11.6
03/08/14						
03/09/14						
03/10/14						
03/11/14				12.2	12.2	11.7
03/12/14				12.2	12.1	11.5
03/13/14				12.2	12.2	11.5
03/14/14				12.2	12.2	11.6
03/15/14						
03/16/14						
03/17/14						
03/18/14						
03/19/14						
03/20/14						
03/21/14						
03/22/14						
03/23/14						
03/24/14						
03/25/14						
03/26/14						
03/27/14						
03/28/14						
03/29/14						
03/30/14						
03/31/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #3			Press #5		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
03/01/14						
03/02/14						
03/03/14						
03/04/14						
03/05/14	12.3	12.3	11.6			
03/06/14	12.3	12.3	11.7			
03/07/14	12.2	12.3	11.6			
03/08/14						
03/09/14						
03/10/14						
03/11/14	12.2	12.1	11.6			
03/12/14	12.2	12.1	11.5			
03/13/14	12.2	12.2	11.5			
03/14/14	12.2	12.3	11.6			
03/15/14						
03/16/14						
03/17/14						
03/18/14						
03/19/14						
03/20/14						
03/21/14						
03/22/14						
03/23/14						
03/24/14						
03/25/14						
03/26/14						
03/27/14						
03/28/14						
03/29/14						
03/30/14						
03/31/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
TEMPERATURE-COMPENSATED pH (S.U.)

DATE	CENTRIFUGE BUILDING #1 Time from Production			CENTRIFUGE BUILDING #2 Time from Production		
	O Hours	2 Hours	24 Hours	O Hours	2 Hours	24 Hours
04/01/14	12.4	12.3	12.1	12.4	12.3	12.0
04/02/14	12.5	12.3	12.1	12.4	12.3	11.9
04/03/14	12.4	12.4	12.1	12.4	12.4	12.3
04/04/14	12.4	12.3	11.7	12.4	12.4	11.8
04/05/14						
04/06/14						
04/07/14				12.4	12.5	11.8
04/08/14				12.5	12.5	12.1
04/09/14				12.5	12.5	12.0
04/10/14				12.4	12.4	11.7
04/11/14				12.4	12.4	11.8
04/12/14						
04/13/14						
04/14/14	12.3	12.1	12.1	12.5	12.4	12.0
04/15/14	12.2	12.1	12.1	12.3	12.5	11.9
04/16/14	12.1	12.3	12.1	12.3	12.4	11.9
04/17/14	12.3	12.3	12.2	12.3	12.3	12.1
04/18/14	12.4	12.4	12.2	12.2	12.2	12.0
04/19/14						
04/20/14						
04/21/14	12.4	12.5	12.1	12.3	12.2	11.9
04/22/14	12.5	12.4	12.2	12.3	12.3	12.1
04/23/14	12.5	12.4	12.1	12.3	12.3	11.9
04/24/14	12.4	12.5	12.1	12.1	12.2	12.0
04/25/14				12.4	12.3	11.8
04/26/14						
04/27/14						
04/28/14				12.5	12.2	12.2
04/29/14				12.4	12.4	12.1
04/30/14				12.4	12.4	12.2

Note: On days when a centrifuge does not run on day shift, only a 24-hour pH will appear.

OPS Database: Solids Handling

OPS Report Name: Lab Biosolids Adjusted pH Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #1			Press #2		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
04/01/14						
04/02/14						
04/03/14						
04/04/14						
04/05/14						
04/06/14						
04/07/14						
04/08/14				12.3	12.2	11.8
04/09/14				12.2	12.2	11.7
04/10/14				12.2	12.2	11.8
04/11/14				12.2	12.1	11.8
04/12/14						
04/13/14						
04/14/14						
04/15/14						
04/16/14						
04/17/14						
04/18/14						
04/19/14						
04/20/14						
04/21/14						
04/22/14						
04/23/14						
04/24/14						
04/25/14						
04/26/14						
04/27/14						
04/28/14						
04/29/14				12.1	12.0	11.8
04/30/14				12.1	12.1	11.8

OPS Database: Solids Handling

OPS Report Name: Lab FP Adjusted pH Report Presses 1 & 2

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #3			Press #5		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
04/01/14						
04/02/14						
04/03/14						
04/04/14						
04/05/14						
04/06/14						
04/07/14						
04/08/14	12.3	12.1	11.7			
04/09/14	12.2	12.1	11.7			
04/10/14	12.2	12.2	11.7			
04/11/14	12.3	12.2	11.8			
04/12/14						
04/13/14						
04/14/14						
04/15/14						
04/16/14						
04/17/14						
04/18/14						
04/19/14						
04/20/14						
04/21/14						
04/22/14						
04/23/14						
04/24/14						
04/25/14						
04/26/14						
04/27/14						
04/28/14						
04/29/14	12.0	12.0	11.8			
04/30/14	12.1	12.1	11.7			

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #6			Press #7		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
04/01/14						
04/02/14						
04/03/14						
04/04/14						
04/05/14						
04/06/14						
04/07/14						
04/08/14	12.2	12.2	11.7	12.2	12.1	11.7
04/09/14	12.2	12.2	11.6	12.2	12.2	11.6
04/10/14	12.2	12.1	11.6	12.2	12.2	11.6
04/11/14	12.2	12.2	11.8	12.3	12.2	11.8
04/12/14						
04/13/14						
04/14/14						
04/15/14						
04/16/14						
04/17/14						
04/18/14						
04/19/14						
04/20/14						
04/21/14						
04/22/14						
04/23/14						
04/24/14						
04/25/14						
04/26/14						
04/27/14						
04/28/14						
04/29/14	12.0	12.0	11.8	12.1	12.0	11.7
04/30/14	12.1	12.1	11.7	12.1	12.1	11.7

OPS Database: Solids Handling

OPS Report Name: Lab FP Adjusted pH Report Presses 6 & 7

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
TEMPERATURE-COMPENSATED pH (S.U.)

DATE	CENTRIFUGE BUILDING #1 Time from Production			CENTRIFUGE BUILDING #2 Time from Production		
	O Hours	2 Hours	24 Hours	O Hours	2 Hours	24 Hours
05/01/14				12.4	12.4	11.9
05/02/14				12.3	12.3	11.8
05/03/14						
05/04/14						
05/05/14				12.5	12.4	12.1
05/06/14				12.3	12.4	12.1
05/07/14				12.5	12.4	12.1
05/08/14				12.4	12.5	12.1
05/09/14				12.4	12.4	11.9
05/10/14				12.5	12.4	11.9
05/11/14						
05/12/14				12.5	12.4	11.8
05/13/14				12.4	12.4	11.8
05/14/14				12.4	12.4	11.8
05/15/14				12.5	12.5	11.9
05/16/14				12.3	12.2	12.2
05/17/14						
05/18/14						
05/19/14				12.6	12.6	12.4
05/20/14				12.4	12.4	12.4
05/21/14				12.5	12.5	12.4
05/22/14				12.4	12.4	12.2
05/23/14				12.5	12.4	12.3
05/24/14				12.4	12.5	12.4
05/25/14						
05/26/14						
05/27/14	12.3	12.1	12.2	12.2	12.3	12.4
05/28/14	12.5	12.4	12.3	12.3	12.2	12.4
05/29/14	12.4	12.2	12.4	12.1	12.2	12.5
05/30/14	12.3	12.3	12.4	12.2	12.2	12.5
05/31/14	12.4	12.2	12.3	12.3	12.2	12.5

Note: On days when a centrifuge does not run on day shift, only a 24-hour pH will appear.

OPS Database: Solids Handling

OPS Report Name: Lab Biosolids Adjusted pH Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #1			Press #2		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
05/01/14				12.2	12.1	11.8
05/02/14				12.2	12.2	11.9
05/03/14						
05/04/14						
05/05/14				12.2	12.1	11.9
05/06/14				12.1	12.0	11.8
05/07/14				12.2	12.1	11.9
05/08/14				12.1	12.2	11.9
05/09/14				12.4	12.1	11.9
05/10/14						
05/11/14						
05/12/14				12.3	12.0	11.8
05/13/14				12.2	12.2	11.8
05/14/14				12.5	12.4	11.8
05/15/14				12.3	12.3	11.7
05/16/14				12.6	12.3	11.9
05/17/14						
05/18/14						
05/19/14				12.4	12.3	12.1
05/20/14				12.4	12.3	12.0
05/21/14				12.3	12.3	11.9
05/22/14				12.3	12.3	12.0
05/23/14				12.3	12.2	12.2
05/24/14				12.3	12.3	12.2
05/25/14						
05/26/14						
05/27/14						
05/28/14						
05/29/14						
05/30/14						
05/31/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #3			Press #5		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
05/01/14	12.2	12.2	11.8			
05/02/14	12.2	12.2	11.8			
05/03/14						
05/04/14						
05/05/14	12.2	12.1	11.8			
05/06/14	12.1	12.0	11.7			
05/07/14	12.3	12.2	11.8			
05/08/14	12.3	12.2	11.8			
05/09/14	12.5	12.4	11.9			
05/10/14						
05/11/14						
05/12/14	12.1	12.0	11.7			
05/13/14	12.3	12.3	11.7			
05/14/14	12.3	12.3	11.7			
05/15/14	12.4	12.3	11.7			
05/16/14	12.3	12.2	11.8			
05/17/14						
05/18/14						
05/19/14	12.4	12.2	11.9			
05/20/14	12.4	12.3	11.9			
05/21/14	12.3	12.2	12.0			
05/22/14	12.3	12.3	11.9			
05/23/14	12.4	12.3	12.1			
05/24/14	12.2	12.3	12.2			
05/25/14						
05/26/14						
05/27/14						
05/28/14						
05/29/14						
05/30/14						
05/31/14						

OPS Database: Solids Handling

OPS Report Name: Lab FP Adjusted pH Report Presses 3 & 5

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #6			Press #7		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
05/01/14	12.2	12.1	11.7	12.2	12.1	11.8
05/02/14	12.2	12.1	11.9	12.2	12.2	11.8
05/03/14						
05/04/14						
05/05/14	12.2	12.1	11.8	12.2	12.1	11.7
05/06/14	12.1	12.0	11.7	12.1	12.0	11.6
05/07/14	12.3	12.2	11.8	12.4	12.2	11.7
05/08/14	12.3	12.2	11.8	12.3	12.2	11.8
05/09/14	12.5	12.5	11.8	12.4	12.2	11.9
05/10/14						
05/11/14						
05/12/14	12.2	12.0	11.6	12.1	12.0	11.6
05/13/14	12.4	12.4	11.6	12.4	12.3	11.5
05/14/14	12.3	12.3	11.6	12.4	12.4	11.5
05/15/14	12.4	12.4	11.5	12.4	12.3	11.6
05/16/14	12.4	12.4	11.9	12.3	12.3	11.8
05/17/14						
05/18/14						
05/19/14	12.4	12.3	11.8	12.3	12.2	11.7
05/20/14	12.4	12.4	11.6	12.4	12.4	11.5
05/21/14	12.4	12.3	12.1	12.3	12.3	12.2
05/22/14	12.3	12.3	12.1	12.3	12.3	12.2
05/23/14	12.3	12.3	12.1	12.3	12.3	12.2
05/24/14	12.2	12.3	12.3	12.3	12.3	12.3
05/25/14						
05/26/14						
05/27/14						
05/28/14						
05/29/14						
05/30/14						
05/31/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
TEMPERATURE-COMPENSATED pH (S.U.)

DATE	CENTRIFUGE BUILDING #1 Time from Production			CENTRIFUGE BUILDING #2 Time from Production		
	O Hours	2 Hours	24 Hours	O Hours	2 Hours	24 Hours
06/01/14						
06/02/14				12.5	12.6	12.0
06/03/14				12.4	12.3	12.4
06/04/14				12.5	12.5	12.4
06/05/14				12.3	12.4	12.5
06/06/14				12.3	12.3	11.7
06/07/14				12.5	12.4	11.9
06/08/14						
06/09/14				12.6	12.6	12.4
06/10/14				12.5	12.5	12.3
06/11/14				12.5	12.5	12.2
06/12/14				12.5	12.5	11.9
06/13/14				12.3	12.3	11.9
06/14/14						
06/15/14						
06/16/14	12.5	12.5	12.1	12.4	12.3	12.2
06/17/14	12.4	12.2	11.9	12.4	12.3	11.8
06/18/14	12.4	12.2	12.0	12.3	12.1	11.9
06/19/14	12.4	12.3	12.0	12.2	12.3	12.0
06/20/14	12.3	12.2	12.0	12.1	12.3	12.0
06/21/14	12.5	12.4	12.1	12.3	12.4	12.1
06/22/14						
06/23/14	12.3	12.3	12.0	12.3	12.3	12.0
06/24/14	12.3	12.2	12.1	12.3	12.2	11.9
06/25/14	12.3	12.3	12.0	12.3	12.3	11.9
06/26/14	12.3	12.3	11.7	12.4	12.4	11.6
06/27/14	12.3	12.3	12.1	12.4	12.3	12.0
06/28/14						
06/29/14						
06/30/14				12.5	12.5	12.0

Note: On days when a centrifuge does not run on day shift, only a 24-hour pH will appear.

OPS Database: Solids Handling

OPS Report Name: Lab Biosolids Adjusted pH Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #1			Press #2		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
06/01/14						
06/02/14				12.4	12.3	12.0
06/03/14				12.4	12.4	12.1
06/04/14				12.3	12.2	12.0
06/05/14				12.3	12.2	12.1
06/06/14				12.3	12.3	11.8
06/07/14				12.3	12.3	12.2
06/08/14						
06/09/14				12.2	12.2	12.1
06/10/14				12.4	12.3	11.7
06/11/14				12.4	12.3	11.8
06/12/14				12.3	12.2	11.8
06/13/14				12.2	12.3	11.9
06/14/14						
06/15/14						
06/16/14						
06/17/14						
06/18/14						
06/19/14						
06/20/14						
06/21/14						
06/22/14						
06/23/14						
06/24/14						
06/25/14						
06/26/14						
06/27/14						
06/28/14						
06/29/14						
06/30/14				12.2	12.2	11.8

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #3			Press #5		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
06/01/14						
06/02/14	12.3	12.2	11.8			
06/03/14	12.4	12.2	11.8			
06/04/14	12.3	12.3	12.0			
06/05/14	12.4	12.4	11.9			
06/06/14	12.3	12.3	11.9			
06/07/14	12.3	12.2	12.2			
06/08/14						
06/09/14	12.2	12.1	12.0			
06/10/14	12.3	12.2	11.7			
06/11/14	12.3	12.3	11.8			
06/12/14	12.2	12.3	11.7			
06/13/14	12.2	12.2	11.8			
06/14/14						
06/15/14						
06/16/14						
06/17/14						
06/18/14						
06/19/14						
06/20/14						
06/21/14						
06/22/14						
06/23/14						
06/24/14						
06/25/14						
06/26/14						
06/27/14						
06/28/14						
06/29/14						
06/30/14	12.2	12.2	11.7			

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #6			Press #7		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
06/01/14						
06/02/14	12.3	12.2	11.6	12.4	12.2	11.5
06/03/14	12.3	12.2	11.6	12.5	12.4	11.5
06/04/14	12.3	12.3	11.8	12.4	12.3	12.1
06/05/14	12.4	12.5	11.8	12.2	12.2	11.9
06/06/14	12.4	12.4	11.8	12.3	12.3	11.7
06/07/14	12.3	12.2	12.1	12.4	12.4	12.2
06/08/14						
06/09/14	12.2	12.1	12.0	12.1	12.1	12.0
06/10/14	12.4	12.3	11.7	12.4	12.3	11.6
06/11/14	12.3	12.3	11.5	12.4	12.3	11.6
06/12/14	12.4	12.2	11.6	12.2	12.3	11.6
06/13/14	12.3	12.2	11.8	12.3	12.2	11.8
06/14/14						
06/15/14						
06/16/14						
06/17/14						
06/18/14						
06/19/14						
06/20/14						
06/21/14						
06/22/14						
06/23/14						
06/24/14						
06/25/14						
06/26/14						
06/27/14						
06/28/14						
06/29/14						
06/30/14	12.2	12.1	11.7	12.3	12.3	11.5

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
TEMPERATURE-COMPENSATED pH (S.U.)

DATE	CENTRIFUGE BUILDING #1 Time from Production			CENTRIFUGE BUILDING #2 Time from Production		
	O Hours	2 Hours	24 Hours	O Hours	2 Hours	24 Hours
07/01/14				12.5	12.5	12.1
07/02/14				12.4	12.4	11.9
07/03/14				12.4	12.4	11.9
07/04/14				12.4	12.4	11.9
07/05/14						
07/06/14						
07/07/14				12.5	12.4	12.5
07/08/14				12.3	12.5	12.1
07/09/14				12.3	12.2	12.1
07/10/14				12.1	12.0	11.9
07/11/14				12.0	12.1	12.1
07/12/14						
07/13/14						
07/14/14				12.6	12.5	12.1
07/15/14				12.5	12.5	12.0
07/16/14				12.4	12.5	11.8
07/17/14				12.4	12.4	11.8
07/18/14				12.5	12.5	11.9
07/19/14						
07/20/14						
07/21/14	12.5	12.4	11.9	12.5	12.5	11.9
07/22/14	12.5	12.4	11.9	12.4	12.4	12.0
07/23/14	12.5	12.4	12.0	12.3	12.3	12.1
07/24/14	12.5	12.5	11.8	12.5	12.4	11.8
07/25/14				12.5	12.5	11.8
07/26/14						
07/27/14						
07/28/14				12.5	12.5	12.2
07/29/14	12.4	12.2	12.1	12.5	12.5	11.9
07/30/14	12.2	12.2	12.1	12.3	12.5	12.0
07/31/14	12.5	12.5	11.9	12.5	12.0	11.9

Note: On days when a centrifuge does not run on day shift, only a 24-hour pH will appear.

OPS Database: Solids Handling

OPS Report Name: Lab Biosolids Adjusted pH Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #1			Press #2		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
07/01/14				12.3	12.3	11.6
07/02/14				12.3	12.2	12.0
07/03/14				12.3	12.3	11.9
07/04/14						
07/05/14						
07/06/14						
07/07/14						
07/08/14				12.3	12.2	11.8
07/09/14				12.3	12.2	11.6
07/10/14				12.3	12.3	11.7
07/11/14				12.3	12.2	11.6
07/12/14						
07/13/14						
07/14/14						
07/15/14						
07/16/14						
07/17/14						
07/18/14						
07/19/14						
07/20/14						
07/21/14						
07/22/14						
07/23/14						
07/24/14						
07/25/14						
07/26/14						
07/27/14						
07/28/14						
07/29/14						
07/30/14						
07/31/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #3			Press #5		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
07/01/14	12.3	12.3	11.8			
07/02/14	12.3	12.2	11.9			
07/03/14	12.3	12.3	11.9			
07/04/14						
07/05/14						
07/06/14						
07/07/14						
07/08/14	12.3	12.2	11.8			
07/09/14	12.3	12.3	11.6			
07/10/14	12.3	12.1	11.6			
07/11/14	12.3	12.3	11.7			
07/12/14						
07/13/14						
07/14/14						
07/15/14						
07/16/14						
07/17/14						
07/18/14						
07/19/14						
07/20/14						
07/21/14						
07/22/14						
07/23/14						
07/24/14						
07/25/14						
07/26/14						
07/27/14						
07/28/14						
07/29/14						
07/30/14						
07/31/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
TEMPERATURE-COMPENSATED pH (S.U.)

DATE	CENTRIFUGE BUILDING #1 Time from Production			CENTRIFUGE BUILDING #2 Time from Production		
	O Hours	2 Hours	24 Hours	O Hours	2 Hours	24 Hours
08/01/14				12.4	12.5	11.9
08/02/14						
08/03/14						
08/04/14				12.2	12.2	12.2
08/05/14				12.5	12.5	12.1
08/06/14				12.5	12.5	12.1
08/07/14				12.5	12.5	11.9
08/08/14	12.4	12.3	12.1	12.3	12.1	12.1
08/09/14						
08/10/14						
08/11/14				12.3	12.2	12.1
08/12/14				12.4	12.4	12.0
08/13/14				12.4	12.4	12.0
08/14/14				12.4	12.4	12.4
08/15/14				12.5	12.5	12.1
08/16/14						
08/17/14						
08/18/14	12.4	12.2	12.1	12.3	12.4	12.1
08/19/14	12.4	12.3	12.1	12.5	12.5	12.0
08/20/14	12.3	12.4	12.3	12.5	12.5	12.2
08/21/14				12.5	12.5	11.9
08/22/14				12.3	12.5	12.0
08/23/14						
08/24/14						
08/25/14	12.3	12.2	12.0	12.5	12.5	12.0
08/26/14	12.4	12.3	12.0	12.5	12.3	11.9
08/27/14	12.5	12.3	12.2	12.4	12.4	12.1
08/28/14	12.3	12.4	12.0	12.4	12.5	11.9
08/29/14				12.4	12.4	12.2
08/30/14						
08/31/14						

Note: On days when a centrifuge does not run on day shift, only a 24-hour pH will appear.

OPS Database: Solids Handling

OPS Report Name: Lab Biosolids Adjusted pH Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #1			Press #2		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
08/01/14						
08/02/14						
08/03/14						
08/04/14				12.2	12.1	11.7
08/05/14				12.3	12.1	11.8
08/06/14				12.2	12.2	11.7
08/07/14				12.3	12.2	11.7
08/08/14						
08/09/14						
08/10/14						
08/11/14						
08/12/14				12.3	12.2	11.7
08/13/14				12.3	12.0	11.9
08/14/14				12.3	12.1	11.7
08/15/14				12.1	12.1	11.8
08/16/14						
08/17/14						
08/18/14						
08/19/14						
08/20/14						
08/21/14						
08/22/14						
08/23/14						
08/24/14						
08/25/14						
08/26/14						
08/27/14						
08/28/14						
08/29/14						
08/30/14						
08/31/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #3			Press #5		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
08/01/14						
08/02/14						
08/03/14						
08/04/14	12.3	12.1	11.7			
08/05/14						
08/06/14						
08/07/14	12.2	12.1	11.6			
08/08/14						
08/09/14						
08/10/14						
08/11/14						
08/12/14	12.3	12.2	11.8			
08/13/14	12.3	12.2	11.9			
08/14/14	12.4	12.2	11.8			
08/15/14						
08/16/14						
08/17/14						
08/18/14						
08/19/14						
08/20/14						
08/21/14						
08/22/14						
08/23/14						
08/24/14						
08/25/14						
08/26/14						
08/27/14						
08/28/14						
08/29/14						
08/30/14						
08/31/14						

OPS Database: Solids Handling

OPS Report Name: Lab FP Adjusted pH Report Presses 3 & 5

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #6			Press #7		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
08/01/14						
08/02/14						
08/03/14						
08/04/14	12.2	12.1	11.7	12.2	12.2	11.8
08/05/14	12.2	12.2	11.8	12.2	12.2	11.9
08/06/14	12.3	12.2	11.7	12.2	12.1	11.7
08/07/14	12.2	12.1	11.7	12.2	12.1	11.8
08/08/14						
08/09/14						
08/10/14						
08/11/14						
08/12/14	12.4	12.2	11.7	12.3	12.1	11.7
08/13/14	12.3	12.2	12.0	12.3	12.2	12.0
08/14/14	12.4	12.2	11.8	12.4	12.2	11.8
08/15/14						
08/16/14						
08/17/14						
08/18/14						
08/19/14						
08/20/14						
08/21/14						
08/22/14						
08/23/14						
08/24/14						
08/25/14						
08/26/14						
08/27/14						
08/28/14						
08/29/14						
08/30/14						
08/31/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
TEMPERATURE-COMPENSATED pH (S.U.)

DATE	CENTRIFUGE BUILDING #1 Time from Production			CENTRIFUGE BUILDING #2 Time from Production		
	O Hours	2 Hours	24 Hours	O Hours	2 Hours	24 Hours
09/01/14						
09/02/14				12.5	12.4	11.9
09/03/14				12.3	12.2	11.8
09/04/14				12.3	12.3	11.6
09/05/14				12.4	12.4	11.8
09/06/14						
09/07/14						
09/08/14				12.4	12.3	11.9
09/09/14				12.3	12.3	11.8
09/10/14				12.4	12.5	11.9
09/11/14				12.4	12.5	11.9
09/12/14				12.2	12.1	11.9
09/13/14						
09/14/14						
09/15/14	12.3	12.2	11.9	12.3	12.2	12.0
09/16/14	12.3	12.2	12.0	12.4	12.3	11.9
09/17/14	12.3	12.2	12.0	12.4	12.4	11.9
09/18/14				12.4	12.3	11.9
09/19/14	12.3	12.1	11.9	12.4	12.4	11.9
09/20/14						
09/21/14						
09/22/14	12.2	12.2	11.9	12.5	12.3	12.0
09/23/14	12.5	12.4	12.0	12.3	12.2	12.0
09/24/14	12.5	12.5	11.9	12.3	12.2	11.9
09/25/14	12.5	12.5	11.9	12.4	12.3	11.8
09/26/14				12.3	12.3	12.0
09/27/14						
09/28/14						
09/29/14				12.4	12.4	11.9
09/30/14				12.4	12.4	12.0

Note: On days when a centrifuge does not run on day shift, only a 24-hour pH will appear.

OPS Database: Solids Handling

OPS Report Name: Lab Biosolids Adjusted pH Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #1			Press #2		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
09/01/14						
09/02/14				12.5	12.3	11.9
09/03/14				12.3	12.2	11.6
09/04/14				12.2	12.2	11.8
09/05/14				12.2	12.2	11.7
09/06/14						
09/07/14						
09/08/14						
09/09/14				12.2	12.2	11.7
09/10/14				12.1	12.1	11.6
09/11/14						
09/12/14						
09/13/14						
09/14/14						
09/15/14						
09/16/14						
09/17/14						
09/18/14						
09/19/14						
09/20/14						
09/21/14						
09/22/14						
09/23/14						
09/24/14						
09/25/14						
09/26/14						
09/27/14						
09/28/14						
09/29/14						
09/30/14				12.3	12.2	11.7

MOCCASIN BEND WASTEWATER TREATMENT PLANT

DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.) FOR FILTER PRESS SAMPLES

DATE	Press #3			Press #5		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
09/01/14						
09/02/14	12.4	12.3	11.9			
09/03/14	12.3	12.2	11.7			
09/04/14	12.2	12.2	11.7			
09/05/14						
09/06/14						
09/07/14						
09/08/14						
09/09/14	12.1	12.1	11.7			
09/10/14	12.2	12.1	11.7			
09/11/14						
09/12/14						
09/13/14						
09/14/14						
09/15/14						
09/16/14						
09/17/14						
09/18/14						
09/19/14						
09/20/14						
09/21/14						
09/22/14						
09/23/14						
09/24/14						
09/25/14						
09/26/14						
09/27/14						
09/28/14						
09/29/14						
09/30/14	12.4	12.2	11.6			

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #6			Press #7		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
09/01/14						
09/02/14	12.4	12.3	11.9	12.4	12.3	11.9
09/03/14	12.3	12.3	11.7	12.3	12.3	11.6
09/04/14	12.2	12.2	11.7	12.2	12.2	11.7
09/05/14						
09/06/14						
09/07/14						
09/08/14						
09/09/14	12.1	12.1	11.7	12.1	12.1	11.7
09/10/14	12.1	12.0	11.6	12.1	12.0	11.6
09/11/14						
09/12/14						
09/13/14						
09/14/14						
09/15/14						
09/16/14						
09/17/14						
09/18/14						
09/19/14						
09/20/14						
09/21/14						
09/22/14						
09/23/14						
09/24/14						
09/25/14						
09/26/14						
09/27/14						
09/28/14						
09/29/14						
09/30/14	12.4	12.2	11.6	12.4	12.2	11.7

OPS Database: Solids Handling

OPS Report Name: Lab FP Adjusted pH Report Presses 6 & 7

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
TEMPERATURE-COMPENSATED pH (S.U.)

DATE	CENTRIFUGE BUILDING #1 Time from Production			CENTRIFUGE BUILDING #2 Time from Production		
	O Hours	2 Hours	24 Hours	O Hours	2 Hours	24 Hours
10/01/14				12.3	12.5	11.9
10/02/14				12.5	12.5	11.9
10/03/14				12.4	12.5	11.9
10/04/14						
10/05/14						
10/06/14	12.5	12.5	12.0			
10/07/14	12.4	12.4	11.9			
10/08/14	12.4	12.4	12.0			
10/09/14	12.5	12.4	11.9			
10/10/14	12.5	12.5	11.7			
10/11/14						
10/12/14						
10/13/14	12.5	12.4	11.9			
10/14/14	12.4	12.4	11.9			
10/15/14	12.4	12.4	11.9			
10/16/14	12.5	12.5	11.8			
10/17/14	12.4	12.4	11.9			
10/18/14						
10/19/14						
10/20/14				12.4	12.4	11.9
10/21/14				12.4	12.5	11.9
10/22/14				12.4	12.4	12.0
10/23/14	12.4	12.5	11.9	12.4	12.3	11.8
10/24/14				12.4	12.5	11.6
10/25/14				12.4	12.4	12.0
10/26/14						
10/27/14	12.2	12.4	11.6	12.3	12.1	11.6
10/28/14	12.3	12.3	12.0	12.4	12.4	11.8
10/29/14	12.4	12.2	12.0	12.4	12.4	12.0
10/30/14	12.1	12.1	11.9	12.4	12.4	11.8
10/31/14				12.3	12.3	12.1

Note: On days when a centrifuge does not run on day shift, only a 24-hour pH will appear.

OPS Database: Solids Handling

OPS Report Name: Lab Biosolids Adjusted pH Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #1			Press #2		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
10/01/14				12.2	12.2	11.6
10/02/14				12.3	12.3	11.8
10/03/14				12.2	12.1	11.8
10/04/14						
10/05/14						
10/06/14				12.3	12.2	11.5
10/07/14				12.5	12.2	11.6
10/08/14				12.3	12.2	11.8
10/09/14				12.3	12.3	11.6
10/10/14				12.3	12.3	11.8
10/11/14						
10/12/14						
10/13/14						
10/14/14				12.4	12.3	11.8
10/15/14				12.3	12.2	11.7
10/16/14				12.2	12.2	11.8
10/17/14				12.2	12.2	11.5
10/18/14						
10/19/14						
10/20/14				12.3	12.2	11.6
10/21/14				12.3	12.2	11.7
10/22/14				12.3	12.2	11.7
10/23/14				12.2	12.2	11.7
10/24/14				12.3	12.2	11.7
10/25/14						
10/26/14						
10/27/14						
10/28/14						
10/29/14						
10/30/14						
10/31/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #3			Press #5		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
10/01/14	12.4	12.1	11.6			
10/02/14	12.4	12.3	11.6			
10/03/14	12.2	12.1	11.7			
10/04/14						
10/05/14						
10/06/14	12.3	12.2	11.7			
10/07/14	12.5	12.4	11.6			
10/08/14	12.3	12.2	11.7			
10/09/14	12.2	12.3	11.6			
10/10/14	12.4	12.3	11.8			
10/11/14						
10/12/14						
10/13/14						
10/14/14	12.2	12.2	11.7			
10/15/14	12.3	12.3	11.6			
10/16/14	12.3	12.2	11.8			
10/17/14	12.3	12.3	11.5			
10/18/14						
10/19/14						
10/20/14	12.2	12.1	11.6			
10/21/14	12.2	12.2	11.7			
10/22/14	12.3	12.2	11.6			
10/23/14	12.3	12.2	11.7			
10/24/14	12.3	12.2	11.6			
10/25/14						
10/26/14						
10/27/14						
10/28/14						
10/29/14						
10/30/14						
10/31/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #6			Press #7		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
10/01/14	12.3	12.1	11.5	12.3	12.2	11.5
10/02/14	12.3	12.1	11.6	12.2	12.1	11.5
10/03/14	12.2	12.0	11.6			
10/04/14						
10/05/14						
10/06/14	12.2	12.1	11.6	12.3	12.1	11.4 *
10/07/14	12.5	12.2	11.7	12.4	12.2	11.7
10/08/14	12.3	12.2	11.7			
10/09/14	12.3	12.3	11.6	12.3	12.3	11.6
10/10/14	12.3	12.2	11.8	12.4	12.2	11.6
10/11/14						
10/12/14						
10/13/14						
10/14/14	12.3	12.2	11.6	12.2	12.2	11.6
10/15/14	12.3	12.3	11.6	12.3	12.3	11.7
10/16/14	12.2	12.2	11.8	12.2	12.2	11.8
10/17/14	12.3	12.2	11.6	12.3	12.2	11.5
10/18/14						
10/19/14						
10/20/14	12.3	12.2	11.5	12.2	12.1	11.5
10/21/14	12.3	12.2	11.6	12.4	12.2	11.6
10/22/14	12.4	12.3	11.6	12.3	12.3	11.6
10/23/14	12.2	12.2	11.6	12.2	12.2	11.6
10/24/14	12.3	12.2	11.6	12.2	12.2	11.6
10/25/14						
10/26/14						
10/27/14						
10/28/14						
10/29/14						
10/30/14						
10/31/14						

* This material was taken to a landfill due to pH ≤ 11.5. -PWP

OPS Database: Solids Handling

OPS Report Name: Lab FP Adjusted pH Report Presses 6 & 7

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
TEMPERATURE-COMPENSATED pH (S.U.)

DATE	CENTRIFUGE BUILDING #1 Time from Production			CENTRIFUGE BUILDING #2 Time from Production		
	O Hours	2 Hours	24 Hours	O Hours	2 Hours	24 Hours
11/01/14						
11/02/14						
11/03/14				12.4	12.5	11.8
11/04/14				12.4	12.3	11.9
11/05/14				12.3	12.2	11.9
11/06/14				12.3	12.3	12.0
11/07/14				12.3	12.3	12.0
11/08/14						
11/09/14						
11/10/14				12.5	12.4	11.9
11/11/14	12.3	12.3	11.9	12.3	12.4	11.8
11/12/14				12.4	12.4	11.9
11/13/14				12.4	12.2	12.2
11/14/14				12.3	12.4	11.9
11/15/14						
11/16/14						
11/17/14				12.4	12.3	11.8
11/18/14				12.3	12.3	11.9
11/19/14				12.2	12.2	11.7
11/20/14				12.3	12.3	11.7
11/21/14				12.2	12.2	11.9
11/22/14						
11/23/14						
11/24/14	12.2	12.2	11.9	12.2	12.2	11.8
11/25/14	12.3	12.3	11.9	12.4	12.2	11.7
11/26/14				12.5	12.4	12.0
11/27/14				12.2	12.3	11.9
11/28/14						
11/29/14						
11/30/14						

Note: On days when a centrifuge does not run on day shift, only a 24-hour pH will appear.

OPS Database: Solids Handling

OPS Report Name: Lab Biosolids Adjusted pH Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #1			Press #2		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
11/01/14						
11/02/14						
11/03/14						
11/04/14						
11/05/14						
11/06/14						
11/07/14						
11/08/14						
11/09/14						
11/10/14						
11/11/14						
11/12/14						
11/13/14						
11/14/14						
11/15/14						
11/16/14						
11/17/14						
11/18/14				12.4	12.3	11.5
11/19/14				12.3	12.2	11.6
11/20/14				12.2	12.2	11.7
11/21/14						
11/22/14						
11/23/14						
11/24/14						
11/25/14						
11/26/14						
11/27/14						
11/28/14						
11/29/14						
11/30/14						

OPS Database: Solids Handling

OPS Report Name: Lab FP Adjusted pH Report Presses 1 & 2

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #3			Press #5		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
11/01/14						
11/02/14						
11/03/14						
11/04/14						
11/05/14						
11/06/14						
11/07/14						
11/08/14						
11/09/14						
11/10/14						
11/11/14						
11/12/14						
11/13/14						
11/14/14						
11/15/14						
11/16/14						
11/17/14						
11/18/14						
11/19/14	12.2	12.2	11.7			
11/20/14	12.2	12.2	11.7			
11/21/14						
11/22/14						
11/23/14						
11/24/14						
11/25/14						
11/26/14						
11/27/14						
11/28/14						
11/29/14						
11/30/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #6			Press #7		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
11/01/14						
11/02/14						
11/03/14						
11/04/14						
11/05/14						
11/06/14						
11/07/14						
11/08/14						
11/09/14						
11/10/14						
11/11/14						
11/12/14						
11/13/14						
11/14/14						
11/15/14						
11/16/14						
11/17/14						
11/18/14	12.4	12.3	11.6	12.3	12.3	11.6
11/19/14				12.3	12.2	11.7
11/20/14	12.2	12.2	11.7	12.2	12.2	11.8
11/21/14						
11/22/14						
11/23/14						
11/24/14						
11/25/14						
11/26/14						
11/27/14						
11/28/14						
11/29/14						
11/30/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

ANALYSIS OF LAND APPLICATION GRAB SAMPLES
TEMPERATURE-COMPENSATED pH (S.U.)

DATE	CENTRIFUGE BUILDING #1 Time from Production			CENTRIFUGE BUILDING #2 Time from Production		
	O Hours	2 Hours	24 Hours	O Hours	2 Hours	24 Hours
12/01/14				12.5	12.3	11.8
12/02/14				12.5	12.4	11.8
12/03/14				12.4	12.5	11.8
12/04/14				12.5	12.5	11.9
12/05/14				12.4	12.4	11.9
12/06/14						
12/07/14						
12/08/14				12.5	12.2	11.8
12/09/14				12.3	12.5	11.8
12/10/14				12.3	12.5	12.0
12/11/14				12.5	12.4	11.8
12/12/14				12.5	12.5	11.8
12/13/14						
12/14/14						
12/15/14				12.5	12.5	11.8
12/16/14				12.5	12.5	11.7
12/17/14				12.3	12.3	11.6
12/18/14				12.5	12.1	11.7
12/19/14				12.5	12.4	11.6
12/20/14						
12/21/14						
12/22/14	12.4	12.2	11.8	12.3	12.3	11.8
12/23/14	12.2	12.2	11.9	12.3	12.3	11.9
12/24/14	12.1	12.4	11.9	12.5	12.4	11.9
12/25/14						
12/26/14				12.3	12.3	11.7
12/27/14						
12/28/14						
12/29/14				12.4	12.3	12.2
12/30/14				12.3	12.2	12.0
12/31/14				12.2	12.5	12.0

Note: On days when a centrifuge does not run on day shift, only a 24-hour pH will appear.

OPS Database: Solids Handling

OPS Report Name: Lab Biosolids Adjusted pH Report

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #1			Press #2		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
12/01/14				12.3	12.2	11.6
12/02/14				12.4	12.3	11.6
12/03/14				12.3	12.3	11.6
12/04/14	12.3	12.3	11.7			
12/05/14	12.3	12.2	11.6	12.1	12.2	11.6
12/06/14						
12/07/14						
12/08/14	12.3	12.2	11.6	12.2	12.3	11.6
12/09/14	12.3	12.2	11.8	12.3	12.2	11.6
12/10/14	12.4	12.3	11.6	12.3	12.2	11.6
12/11/14				12.3	12.1	11.6
12/12/14						
12/13/14						
12/14/14						
12/15/14						
12/16/14						
12/17/14						
12/18/14						
12/19/14						
12/20/14						
12/21/14						
12/22/14						
12/23/14						
12/24/14						
12/25/14						
12/26/14						
12/27/14						
12/28/14						
12/29/14						
12/30/14						
12/31/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #3			Press #5		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
12/01/14	12.2	12.2	11.6			
12/02/14	12.4	12.3	11.6			
12/03/14	12.2	12.2	11.7			
12/04/14						
12/05/14	12.3	12.1	11.6			
12/06/14						
12/07/14						
12/08/14	12.3	12.3	11.6			
12/09/14	12.3	12.2	11.5			
12/10/14						
12/11/14	12.3	12.3	11.6			
12/12/14						
12/13/14						
12/14/14						
12/15/14						
12/16/14						
12/17/14						
12/18/14						
12/19/14						
12/20/14						
12/21/14						
12/22/14						
12/23/14						
12/24/14						
12/25/14						
12/26/14						
12/27/14						
12/28/14						
12/29/14						
12/30/14						
12/31/14						

MOCCASIN BEND WASTEWATER TREATMENT PLANT
DATA SUMMARY

TEMPERATURE-ADJUSTED pH (S.U.)
FOR FILTER PRESS SAMPLES

DATE	Press #6			Press #7		
	Conditioned Sludge		Biosolids	Conditioned Sludge		Biosolids
	0 Hours	2 Hours	24 Hours	0 Hours	2 Hours	24 Hours
12/01/14	12.2	12.2	11.6	12.2	12.3	11.6
12/02/14	12.3	12.3	11.6	12.3	12.3	11.6
12/03/14	12.2	12.3	11.7			
12/04/14	12.3	12.2	11.5			
12/05/14	12.3	12.1	11.6	12.1	12.1	11.6
12/06/14						
12/07/14						
12/08/14	12.2	12.3	11.6	12.3	12.2	11.6
12/09/14	12.3	12.2	11.5	12.3	12.2	11.5
12/10/14	12.3	12.3	11.6			
12/11/14				12.3	12.3	11.6
12/12/14						
12/13/14						
12/14/14						
12/15/14						
12/16/14						
12/17/14						
12/18/14						
12/19/14						
12/20/14						
12/21/14						
12/22/14						
12/23/14						
12/24/14						
12/25/14						
12/26/14						
12/27/14						
12/28/14						
12/29/14						
12/30/14						
12/31/14						