VPDES PERMIT PROGRAM FACT SHEET
FILE NO:

This document gives pertinent information concerning the VPDES Permit listed below. This permit is being processed as a **MAJOR INDUSTRIAL** permit.

1. **PERMIT NO.**: VA0004049 **EXPIRATION DATE**: December 31, 2020

2. **FACILITY NAME AND LOCAL MAILING ADDRESS**

Tyson Farms, Inc
P. O. Box 8
Temperanceville, VA 23442

CONTACT AT FACILITY:
NAME: Dave Redinger
TITLE: EHS Manager
PHONE: 757-990-3574
EMAIL: david.redinger@tyson.com

FACILITY LOCATION ADDRESS (IF DIFFERENT)

Tyson Farms, Inc
11224 Lankford Highway
Temperanceville, VA 23442

CONTACT AT LOCATION ADDRESS
NAME: INSERT MODE
TITLE: INSERT MODE
PHONE: ( )
EMAIL:

3. **OWNER CONTACT**: (TO RECEIVE PERMIT)
NAME: Jarrod Goodman
TITLE: Complex Manager
COMPANY NAME: (IF DIFFERENT)
ADDRESS:

PHONE: ( )
EMAIL:

CONSULTANT CONTACT:
NAME:
FIRM NAME:
ADDRESS:

PHONE: ( )
EMAIL:

4. **PERMIT DRAFTED BY**: DEQ, Water Permits, Regional Office

Permit Writer(s): Debra L. Thompson Date(s): 5/29/15, 6/24/15, 7/30/15, 9/4/15
Reviewed By: Deanna Austin DOA Date(s): 10/5/15 - 10/6/15

5. **PERMIT ACTION:**

( ) Issuance (X) Reissuance ( ) Revoke & Reissue ( ) Owner Modification
( ) Board Modification ( ) Change of Ownership/Name [Effective Date:]

6. **SUMMARY OF SPECIFIC ATTACHMENTS LABELED AS**:

Attachment 1	Site Inspection Report/Memorandum
Attachment 2	Discharge Location/Topographic Map
Attachment 3	Schematic/Plans & Specs/Site Map/Water Balance
Attachment 4	TABLE I - Discharge/Outfall Description
Attachment 5	TABLE II - Effluent Monitoring/Limitations
Attachment 6	Effluent Limitations/Monitoring Rationale/Suitable Data/Antidegradation/Antibacksliding
Attachment 7	Special Conditions Rationale
Attachment 8	Toxics Monitoring/Toxics Reduction/WET Limit Rationale
Attachment 9	Material Stored
Attachment 10	Receiving Waters Info./Tier Determination/STORET Data/Stream Modeling
Attachment 11	303(d) Listed Segments
Attachment 12	TABLE III(a) and TABLE III(b) - Change Sheets
Attachment 13	NPDES Industrial Permit Rating Worksheet
Attachment 14	Other Pertinent Information

APPLICATION COMPLETE: September 4, 2015
Information rec'd, 5/29, 7/16 & 9/4/15

7. **PERMIT CHARACTERIZATION:** (Check as many as appropriate)

(X) Existing Discharge
( ) Proposed Discharge
( ) Municipal
SIC Code(s)
(X) Industrial
SIC Code(s)2015,2077,0254
( ) POTW
( ) PVOTW
(X) Private
( ) Federal
( ) State
( ) Publicly-Owned Industrial

(X) Effluent Limited
(X) Water Quality Limited
(X) WET Limit
( ) Interim Limits in Permit
( ) Interim Limits in Other Document
( ) Compliance Schedule Required
( ) Site Specific WQ Criteria
( ) Variance to WQ Standards
( ) Water Effects Ratio
(X) Discharge to 303(d) Listed Segment
(X) Toxics Management Program Required
( ) Toxics Reduction Evaluation
(X) Storm Water Management Plan
( ) Pretreatment Program Required
( ) Possible Interstate Effect
(X) CBP Significant Dischargers List

8. **RECEIVING WATERS CLASSIFICATION:** River basin information.

Outfall No(s): 001, 003, 004

Receiving Stream:	UT to Sandy Bottom Branch to Pocomoke Sound
River Mile:	SB000.96
Basin:	Chesapeake Bay/Atlantic Ocean & Small Coastal
Subbasin:	N/A
Section:	2a
Class:	III
Special Standard(s):	None
Tidal:	YES
7-Day/10-Year Low Flow:	MGD
1-Day/10-Year Low Flow:	MGD
30-Day/5-Year Low Flow:	MGD
Harmonic Mean Flow:	MGD

9. **FACILITY DESCRIPTION:** Describe the type facility from which the discharges originate.

Existing industrial discharge resulting from the operation of a poultry hatchery which supplies chicks to contract growers and the processing of live chickens which includes slaughtering, de-feathering, evisceration, chilling and final packaging and shipping to an offsite destination. Additional processing includes the rendering of offal and feather waste into useable products/feed ingredients. Storm water runoff from non-industrial areas which do not comingle with process water prior to discharge and industrially related storm water that comingles with process water at outfall 001.

10. **LICENSED OPERATOR REQUIREMENTS:** ( ) No (X) Yes Class: II

11. **RELIABILITY CLASS:** Industrial Facility - NA

12. **SITE INSPECTION DATE:** September 9, 2015 **REPORT DATE:** September 17, 2015

Performed By: Steve Thomas, Eastern Shore Inspector

SEE ATTACHMENT 1

13. **DISCHARGE(S) LOCATION DESCRIPTION**: Provide USGS Topo which indicates the discharge location, significant (large) discharger(s) to the receiving stream, water intakes, and other items of interest.

Name of Topo: Hallwood Quadrant No.: 142A **SEE ATTACHMENT 2**

14. **ATTACH A SCHEMATIC OF THE WASTEWATER TREATMENT SYSTEM(S) [IND. & MUN.]. FOR INDUSTRIAL FACILITIES, PROVIDE A GENERAL DESCRIPTION OF THE PRODUCTION CYCLE(S) AND ACTIVITIES. FOR MUNICIPAL FACILITIES, PROVIDE A GENERAL DESCRIPTION OF THE TREATMENT PROVIDED.**

SEE ATTACHMENT 3 (CAN ALSO REFERENCE TABLE I)

15. **DISCHARGE DESCRIPTION**: Describe each discharge originating from this facility.

SEE **TABLE I** (OR CAN SUBSTITUTE PAGE 2C) - **SEE ATTACHMENT 4**

16. **COMBINED TOTAL FLOW**:

TOTAL: 0.98 long term average MGD (for public notice)

PROCESS FLOW: _____ MGD (IND.)

NONPROCESS/RAINFALL DEPENDENT FLOW: _____(Est.)

DESIGN FLOW: 1.25 max for wwtp plant MGD

17. **STATUTORY OR REGULATORY BASIS FOR EFFLUENT LIMITATIONS AND SPECIAL CONDITIONS**: (Check all which are appropriate)

X State Water Control Law
X Clean Water Act
X VPDES Permit Regulation (9 VAC 25-31-10 et seq.)
X EPA NPDES Regulation (Federal Register)
_____ EPA Effluent Guidelines (40 CFR 133 or 400 - 471)
X Water Quality Standards (9 VAC 25-260-5 et seq.)
_____ Wasteload Allocation from a TMDL or River Basin Plan

18. **EFFLUENT LIMITATIONS/MONITORING**: Provide all limitations and monitoring requirements being placed on each outfall.

SEE TABLE II - ATTACHMENT 5

19. **EFFLUENT LIMITATIONS/MONITORING RATIONALE**: Attach any analyses of an outfall by individual toxic parameter. As a minimum, it will include: statistics summary (number of data values, quantification level, expected value, variance, covariance, 97th percentile, and statistical method); wasteload allocation (acute, chronic and human health); effluent limitations determination; input data listing. Include all calculations used for each outfall and set of effluent limits and those used in any model(s). Include all calculations/documentation of any antidegradation or anti-backsliding issues in the development of any limitations; complete the review statements below. Provide a rationale for limiting internal waste streams and indicator pollutants. Attach chlorine mass balance calculations, if performed. Attach any additional information used to develop the limitations, including any applicable water quality standards calculations (acute, chronic and human health).

OTHER CONSIDERATIONS IN LIMITATIONS DEVELOPMENT:

VARIANCES/ALTERNATE LIMITATIONS: Provide justification or refutation rationale for requested variances or alternatives to required permit conditions/limitations. This includes, but is not limited to: waivers from testing requirements; variances from technology guidelines or water quality standards; WER/translator study consideration; variances from standard permit limits/conditions.

N/A

SUITABLE DATA: In what, if any, effluent data were considered in the establishment of effluent limitations and provide all appropriate information/calculations.

All suitable effluent data were reviewed.

ANTIDEGRADATION REVIEW: Provide all appropriate information/calculations for the antidegradation review.

The receiving stream has been classified as tier 1 with data that show existing water quality is not better than the water quality standards. Therefore, no further review is needed. Permit limits have been established by determining wasteload allocations which will result in attaining and/or maintaining all water quality criteria which apply to the receiving stream, including narrative criteria. These wasteload allocations will provide for the protection and maintenance of all existing uses.

ANTIBACKSLIDING REVIEW: Indicate if antibacksliding applies to this permit and, if so, provide all appropriate information.

There are no backsliding issues to address in this permit (i.e., limits as stringent or more stringent when compared to the previous permit).

SEE ATTACHMENT 6

20. **SPECIAL CONDITIONS RATIONALE:** Provide a rationale for each of the permit's special conditions.

SEE ATTACHMENT 7

21. **TOXICS MONITORING/TOXICS REDUCTION AND WET LIMIT SPECIAL CONDITIONS RATIONALE:** Provide the justification for any toxics monitoring program and/or toxics reduction program and WET limit.

SEE ATTACHMENT 8

22. **SLUDGE DISPOSAL PLAN:** Provide a description of the sludge disposal plan (e.g., type sludge, treatment provided and disposal method). Indicate if any of the plan elements are included within the permit.

Sludge disposal is handled via VPA Permit VPA01035.

23. **MATERIAL STORED:** List the type and quantity of wastes, fluids, or pollutants being stored at this facility. Briefly describe the storage facilities and list, if any, measures taken to prevent the stored material from reaching State waters.

SEE ATTACHMENT 9

24. **RECEIVING WATERS INFORMATION:** Refer to the State Water Control Board's Water Quality Standards [e.g., River Basin Section Tables (9 VAC 25-260-5 et seq.). **Use 9 VAC 25-260-140 C (introduction and numbered paragraph) to address tidal waters where fresh water standards would be applied or transitional waters where the most stringent of fresh or salt water standards would be applied.** Attach any memoranda or other information which helped to develop permit conditions (i.e. tier determinations, PReP complaints, special water quality studies, STORET data and other biological and/or chemical data, etc.

SEE ATTACHMENT 10

25 305(b)/**303(d) Listed Segments**: Indicate if the facility discharges to a segment that is listed on the current 303(d) list and, if so, provide all appropriate information/calculations.

Outfall 001 discharges to the unnamed tributary to Sandy Bottom Branch (adjacent to Tyson Farms, Inc), VAT-C10R_XCC01A08, which is listed as impaired on the 303(d) list. Listed as impaired due to Aquatic Life (Benthic) and Recreation Use (E coli) water quality standard exceedance.

VA0004049 was listed in the bacteria TMDL* since it discharges to the UTSBB. The *E. coli* permit limit is a geometric mean of 126 counts/100ml. The analysis of available monthly averaged data from January 2001 to February 2008 resulted in a mean fecal coliform concentration of 3 counts/100ml and maximum of 30 counts/100ml, and a mean flow of 1,007,128 gal/day and maximum of 1,940,000 gal/day. Therefore, the allowable loading of *E.coli* is:
WLA = 126 counts/100ml x 1,007,128 gal/day x 37.8741 = **4.80E+9 counts/day**
(TMDL report Section 4.5 and Table 4.6) The bacteria load for the *E.coli* geometric mean is referenced in the Eastern Shore WQMP 9VAC25-720-110 Table A. (see attachment 11).

VA0004049 was listed in the Chesapeake Bay TMDL** under Bay segment POCMH as a significant discharger. TMDL Report Appendix Q (see attachment 11). Individual WLA's are presented as Edge of Stream (EOS) and Delivered (DEL) loads. The EOS loads for TN and TP are also referenced in the Eastern Shore WQMP 9VAC25-720-110 Table C (see attachment 11) **TN = 22,842 lbs/yr** (EOS), **TP = 1,142 lbs/yr** (EOS) and **TSS = 60,955 lbs/yr** (EOS).

Approved TMDL's:

* Fecal Coliform TMDL for Holdens Creek, Sandy Bottom Branch, and Unnamed Tributary to Sandy Bottom Branch, Accomack County, VA; Fecal Coliform, *E.coli;* EPA Approval 11/7/2008, SWCB 4/28/2009
** Chesapeake, Bay TMDL; EPA approved 12/29/2010: nitrogen, phosphorus, and TSS

SEE ATTACHMENT 11

26. **CHANGES TO PERMIT:** Use **TABLE III(a)** to record any changes from the previous permit and the rationale for those changes. Use **TABLE III(b)** to record any changes made to the permit during the permit processing period and the rationale for those changes [i.e., use for comments from the applicant, VDH, EPA, other agencies and/or the public where comments resulted in changes to the permit limitations or any other changes associated with the special conditions or reporting requirements].

SEE ATTACHMENT 12

27. **NPDES INDUSTRIAL PERMIT RATING WORKSHEET:**

TOTAL SCORE: 93 **SEE ATTACHMENT 13**

28. **DEQ PLANNING COMMENTS RECEIVED ON DRAFT PERMIT:** Document any comments received from DEQ planning.

The discharge is in conformance with the existing planning documents for the area.

29. **PUBLIC PARTICIPATION:** Document comments/responses received during the public participation process. If comments/responses provided, especially if they result in changes to the permit, place in the attachment.

VDH/DSS COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from the Virginia Dept. of Health and the Div. of Shellfish Sanitation and noted how resolved.

The VDH reviewed the application by memorandum dated June 22, 2015, and stated "no public raw water intakes in VA were found downstream or upstream from the discharge point that would be impacted."

The DSS reviewed the application by memorandum dated August 14, 2015 and stated "the project is located in or adjacent to condemned shell fish growing waters and the activity, as described, will not cause an increase in the size or type of the existing closure."

EPA COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from the U.S. Environmental Protection Agency and noted how resolved.

EPA has no objections to the adequacy of the draft permit.

OR

By letter dated _____, the EPA provided the following comments:

ADJACENT STATE COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from an adjacent state and noted how resolved.

Not applicable.

OTHER AGENCY COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from any other agencies (e.g., VIMS, VMRC, DGIF, etc.) and noted how resolved.

Not Applicable.

OR

The draft permit was sent to _____ and no comments were received OR no objections were received as to the adequacy of the draft permit.

OTHER COMMENTS RECEIVED FROM RIPARIAN OWNERS/CITIZENS ON DRAFT PERMIT: Document any comments received from other sources and note how resolved.

The application and draft permit have received public notice in accordance with the VPDES Permit Regulation, and no comments were received.
OR

The application and draft permit have received public notice in accordance with the VPDES Permit Regulation. Section 9 VAC 35-31-310 of the VPDES Permit Regulation states, in part, "The Board shall hold a public hearing whenever it finds, on the basis of requests, a significant degree of public interest in a draft permit(s)."

PUBLIC NOTICE INFORMATION: Comment Period: Start Date
End Date

Persons may comment in writing or by e-mail to the DEQ on the proposed reissuance of the permit within 30 days from the date of the first notice. Address all comments to the contact person listed below. Written or e-mail comments shall include the name, address, and telephone number of the writer, and shall contain a complete, concise statement of the factual basis for comments. Only those comments received within this period will be considered. The Director of the DEQ may decide to hold a public hearing if public response is significant. Requests for public hearings shall state the reason why a hearing is requested, the nature of the issues proposed to be raised in the public hearing and a brief explanation of how the requestor's interests would be directly and adversely affected by the proposed permit action.

All pertinent information is on file and may be inspected, and arrangements made for copying by contacting Ms. Debra Thompson at: Department of Environmental Quality (DEQ), Tidewater Regional Office, 5636 Southern Boulevard, Virginia Beach, VA 23462. Telephone: 757-518-2162 E-mail: debra.thompson@deq.virginia.gov

Following the comment period, the Board will make a determination regarding the proposed issuance/reissuance/modification. This determination will become effective, unless the Director grants a public hearing. Due notice of any public hearing will be given.

30. **ADDITIONAL FACT SHEET COMMENTS/PERTINENT INFORMATION:**

VA0004049 was listed in the Chesapeake Bay TMDL* under Bay segment POCMH as a significant discharger, TMDL Report Appendix Q (see attachment 11). Individual WLA's are presented as Edge of Stream (EOS) and Delivered (DEL) loads. The EOS loads for TN and TP are also referenced in the Eastern Shore WQMP 9VAC25-720-110 Table C (see attachment 11) **TN = 22,842 lbs/yr** (EOS), **TP = 1,142 lbs/yr** (EOS) and **TSS = 60,955 lbs/yr** (EOS). TN and TP WLA's are addressed in the Nutrient Trading GP (VAN050005), the WLA for TSS is now addressed in this VPDES Permit and is presented as an EOS annual load.

* Chesapeake, Bay TMDL; EPA approved 12/29/2010: nitrogen, phosphorus, and TSS

ATTACHMENT 1

SITE INSPECTION REPORT/MEMORANDUM

1-1

Virginia Department of Environmental Quality
TECHNICAL/LAB INSPECTION REPORT

FACILITY NAME: Tyson Foods, Inc. Temperanceville, VA 23442	**INSPECTION DATE:** 9/9/2015 **INSPECTOR:** Stephen J. Thomas
PERMIT No.: VA0004049	**REPORT DATE:** 9/17/2015
TYPE OF FACILITY: ☐ Municipal ☑ Major ☑ Industrial ☐ Minor ☐ Federal ☐ Small Minor ☐ HP ☐ LP	**TIME OF INSPECTION:** Arrival 0900 Departure 11 45 **TOTAL TIME SPENT WITH TRAVEL & REPORT :** 32 Hours **WEATHER:** Clear 85° F
PHOTOGRAPHS: ☑ Yes ☐ No	**UNANNOUNCED INSPECTION?** ☑ Yes ☐ No
REVIEWED BY / Date: Kenneth T. Raum / 09-29-15 KTR	
PRESENT DURING INSPECTION: David Redinger, Lee Kleckner, Eva Porter and Sarah Harrison all with Tyson Foods	

TECHNICAL INSPECTION

1. Has there been any new construction? • If so, were plans and specifications approved? Comments:	☐ Yes ☑ No
2. Is the Operations and Maintenance Manual approved and up-to-date? Comments: **O & M manual was not available for review. Mr. Redinger stated the O & M was being updated.**	☐ Yes ☐ No
3. Are the Permit and/or Operation and Maintenance Manual specified licensed operator being met? Comments:	☑ Yes ☐ No
4. Is there an established and adequate program for training personnel? Comments:	☐ Yes ☑ No
5. Are preventive maintenance task schedules being met? Comments:	☑ Yes ☐ No
6. Does the plant experience any organic or hydraulic overloading? Comments:	☐ Yes ☑ No
7. Have there been any bypassing or overflows since the last inspection? Comments:	☐ Yes ☑ No
8. Is the standby generator (including power transfer switch) operational and exercised regularly? Comments: No backup power supply – facility would be shut down.	☐ Yes ☑ No
9. Is the plant alarm system operational and tested regularly? Comments: SCDA System	☑ Yes ☐ No

COPIES TO: (X) DEQ/TRO; (X) OWNER; ( ) OPERATOR; ( ) Other:

TECHNICAL INSPECTION

10. Is sludge disposed of in accordance with the approved sludge management plan? Comments:	☑ Yes ☐ No
11. Is septage received? • If so, is septage loading controlled, and are appropriate records maintained? Comments:	☐ Yes ☑ No
12. Are all plant records (operational logs, equipment maintenance, industrial waste contributors, sampling and testing) available for review and are records adequate? Comments:	☑ Yes ☐ No
13. Which of the following records does the plant maintain? ☑ Operational logs ☑ Instrument maintenance & calibration ☑ Mechanical equipment maintenance ☐ Industrial Waste Contribution (Municipal facilities) Comments:	
14. What does the operational log contain? ☑ Visual observations ☑ Flow Measurement ☑ Laboratory results ☑ Process adjustments ☑ Control calculations ☐ Other (specify) Comments:	
15. What do the mechanical equipment records contain? ☑ As built plans and specs ☑ Manufacturers instructions ☑ Lubrication schedules ☐ Spare parts inventory ☐ Equipment/parts suppliers ☐ Other (specify) Comments:	
16. What do the industrial waste contribution records contain (Municipal only)? ☐ Waste characteristics ☐ Impact on plant ☐ Locations and discharge types ☐ Other (specify) N/A Comments:	
17. Which of the following records are kept at the plant and available to personnel? ☑ Equipment maintenance records ☑ Operational log ☐ Industrial contributor records ☑ Instrumentation records ☑ Sampling and testing records Comments:	
18. List records not normally available to plant personnel and their location: Comments: The DMRs are not normally available to plant personnel.	
19. Are the records maintained for the required time period (three or five years)? Comments:	☑ Yes ☐ No

DEPARTMENT OF ENVIRONMENTAL QUALITY
WASTEWATER FACILITY
INSPECTION REPORT
PART II

UNIT PROCESS	APPLICABLE	COMMENTS
SEWAGE PUMPING – RENDERING	✖	TWO PUMPS IN OPERATION. HIGH WATER ALARM CHECKED ONCE A WEEK.
FLOW MEASUREMENT	✖	
SCREENING/COMMINUTION	✖	COARSE DRUM SCREENING
GRIT REMOVAL		
FLOW EQUALIZATION	✖	UNIT HAD HEAVY BUILDUP OF GREASE AND FEATHERS ON SURFACE OF TANK.
OLD ABANDONED LAGOONS	✖	4. ONE OLD LAGOON HAS BEEN USED TO WASTE EXCESS MIXED LIQUOR FROM THE BIOLOGICAL LAGOONS.
ANAEROBIC LAGOON	✖	1. LAGOON NOT IN OPERATING CONDITION. THERE IS A LARGE AMOUNT OF SOLIDS IN THE LAGOON.
ANOXIC LAGOON	✖	
COMPLETE MIX M ACTIVATED SLUDGE LAGOON	✖	5. EVIDENCE OF PROCESS UPSET.
DISSOLVED AIR FLOTATION	✖	
ROTATING BIOLOGICAL CONTACTORS		
SEPTIC TANK/SAND FILTER / IMHOFF TANK		
SECONDARY SEDIMENTATION	✖	
ANOXIC/AEROBIC REACTOR	✖	
TERTIARY SEDIMENTATION		
FILTRATION	✖	SATISFACTORY OPERATION
MICRO-SCREENING		
ACTIVATED CARBON ADSORPTION		
ULTRAVIOLET DISINFECTION	✖	TROJAN 3000 UNIT
POST AERATION	✖	STEP AERATION
LAND APPLICATION-EFFLUENT		
EFFLUENT/PLANT OUTFALL	✖	VISIBLE CONDITION – CLEAR
STORMWATER POND	✖	2 FEET OF FREEBOARD
CHLORINATION	✖	5. NO MONITORING RECORDS
FLOTATION THICKENING (DAF)	✖	
AEROBIC DIGESTION		
SLUDGE HOLDING LAGOON	✖	1. SLUDGE LAGOON IS AT OR NEAR CAPACITY.
LIME STABILIZATION		
PRESSURE FILTRATION (SLUDGE)		
VACUUM FILTRATION		
DRYING BEDS		
COMPOSTING		
LAND APPLICATION-SLUDGE	✖	LAND APPLICATION IS NORMALLY PERFORMED IN THE SPRING.

STANDARD COMMENTS:

1. UNIT NEEDS ATTENTION
2. ABNORMAL INFLUENT/EFFLUENT
3. EVIDENCE OF EQUIPMENT FAILURE
4. UNAPPROVED MODIFICATION OR TEMPORARY REPAIR
5. EVIDENCE OF PROCESS UPSET

*REFER TO INDIVIDUAL UNIT PROCESS EVALUATION FORMS

Tyson Foods, Inc.

VA0004049

UNIT PROCESS:	SCREENINGS/COMMINUTION

			YES	NO	NA
1.	Number of manual units	0			
2.	Number of mechanical units	2			
3.	Number manual units in operation	0			
4.	Number of mechanical units in operation	2			
5.	Bypass channel in use				✖
6.	Area adequately ventilated				✖
7.	Alarm system for equipment failure and/or overloads				✖
8.	Proper flow distribution between units				✖
9.	How often are units checked and cleaned				✖
10.	Cycle of operation				✖
11.	Volume of screenings removed				✖

GENERAL CONDITION:	GOOD		FAIR	✖	POOR	

COMMENTS:	**Drum screening.**

UNIT PROCESS:	POST AERATION

		YES	NO	NA
1.	Number of units 1			
2.	Number units in operation 1			
	EVIDENCE OF THE FOLLOWING PROBLEMS?			
	Dead spots		✖	
	Excessive foam		✖	
	Poor aeration		✖	
	Mechanical equipment failure			✖
3.	Time Clock [ ] Manual [ ] Continuous [✖] Other: [ ]			
6.	What is the current operating schedule?			✖
7.	Step weirs level?	✖		
8.	Effluent dissolved oxygen level? **7.1 mg/L**			

GENERAL CONDITION:	GOOD	✖	FAIR		POOR	

COMMENTS:	**Step Aeration**

UNIT PROCESS:	FLOW EQUALIZATION

											YES	NO	NA
1.	Type system:	In-line	X	Side-line		Spill Pond							
2.	Number cells:	1											
3.	What unit process does this unit precede?					DAF Unit							
4.	Is volume adequate:										X		
5.	Mixing?	None		Diffused Air	X	Fixed Mechanical							
	Floating Mechanical			Other									
6.	Condition of mixing equipment	GOOD		AVERAGE	X	POOR							
7.	*HOW DRAWN OFF?*												
	Pumped from?	Surface		Sub-surface	X	Adjustable							
	Weir?	Surface		Sub-surface									
8.	Is containment structure in good condition?										X		
9.	Are there facilities to flush solids/grease from basin walls adequate?										X		
10.	Are there facilities for withdrawing floating material and foam?												X
11.	*HOW ARE SOLIDS REMOVED?*												
	Drain down	X	Drag line		Pump out	X							
12.	Is solids removal adequate?											X	
13.	Is the emergency overflow in good condition?										X		
14.	Are the depth gauges in good condition?										X		

GENERAL CONDITION:	GOOD		FAIR		POOR	X

COMMENTS:	**Buildup of feathers and grease on surface of unit. Solids should be removed on a regular basis.**

UNIT PROCESS:	FLOTATION THICKENING (DAF)

							YES	NO	NA
1.	Number of units			1					
2.	Number units in operation			1					
3.	*SLUDGE PUMPING?*								
	Manual	✖	Automatic		Other:				
4.	*FLOATATION AID SYSTEM PROVIDED?*								
	Type of aid	**Sodium Bisulfite**	Dosage	**50 PPM**					
5.	Skimmer blade sludge removal system properly operating?						✖		
6.	Sludge collection system working properly?						✖		
7.	Is the unit used to thicken sludge other than waste activated sludge?						✖		
	Other sludge type	**Influent wastewater flow from the EQ tank**							
8.	Signs of overloading?							✖	
9.	*PROCESS CONTROL TESTING*								
	Influent			**TSS Average: 1890 mg/l July – Aug. 2105**			✖		
	Total Suspended Solids Reduction (average)			**81 %**			✖		
	BOD Reduction			**56%**			✖		
	O & G Reduction			**75 %**			✖		
10.	Percent capture of solids								✖
11.	Effluent baffle system working properly?						✖		

GENERAL CONDITION:	GOOD		FAIR	✖	POOR	

COMMENTS:	**The solids removed from this unit are transported by tanker truck to Maryland for land application disposal (permitted by the MDE). Mr. Redinger said this disposal method might change by 2017 due to changes in Maryland's regulations. Excess grease, feathers, and floating solids needs to be removed on a regular basis. Sodium Bisulfite is being added to reduce any PAA in the effluent.**

UNIT PROCESS:	ANAEROBIC LAGOON

										YES	NO	NA
1.	Type	Aerated		Unaerated	✖	Polishing						
2.	Number of cells	1										
3.	Number cells in operation	0										
4.	Operation of system											
	Series		Parallel		Other:							✖
5.	Color				Light Brown							
	Gray		Brown		Green		Other:	Black				
6.	*EVIDENCE OF THE FOLLOWING PROBLEMS:*											
	Vegetation in lagoon or dikes?									✖		
	Rodents burrowing on dikes?										✖	
	Erosion?										✖	
	Sludge bars?										✖	
	Excessive foam?										✖	
	Floating material? **Solids and grease**									✖		
7.	If aerated, are lagoon contents mixed adequately?											✖
8.	If aerated, is aeration system operating properly?											✖
9.	Odors:	Septic	✖	Earthy		None		Other:	✖			
10.	Fencing intact?											✖
11.	Grass maintained properly?									✖		
12.	Level control valves working properly?										✖	
13.	Effluent discharge elevation?		Top		Middle	✖	Bottom					
14.	Freeboard	**1- 2 feet (depending on measurement location)**										
15.	Appearance of effluent?		GOOD		FAIR		POOR					✖
	Are monitoring wells present?										✖	
16.	Are wells adequately protected from runoff?											✖

GENERAL CONDITION:	GOOD		FAIR		POOR	✖

COMMENTS:	**Evidence of an overflow or spill at the influent end of the lagoon. Unit is being evaluated for solids removal and disposal by an outside contractor.**

Tyson Foods, Inc.

VA0004049

UNIT PROCESS:	ANOXIC LAGOON

										YES	NO	NA
1.	Type	Aerated	✖	Unaerated		Polishing						
2.	Number of cells	1										
3.	Number cells in operation	1										
4.	Operation of system											
	Series		Parallel		Other:							✖
5.	Color					Light Brown						
	Gray		Brown	✖	Green		Other:					
6.	*EVIDENCE OF THE FOLLOWING PROBLEMS:*											
	Vegetation in lagoon or dikes?										✖	
	Rodents burrowing on dikes?										✖	
	Erosion?										✖	
	Sludge bars?										✖	
	Excessive foam?										✖	
	Floating material?										✖	
7.	Are lagoon contents mixed adequately?									✖		
8.	If aerated, is aeration system operating properly? Aeration is used for mixing of tank biomass.									✖		
9.	Odors:	Septic		Earthy	X	None		Other:				
10.	Fencing intact?											✖
11.	Grass maintained properly?									✖		
12.	Level control valves working properly?									✖		
13.	Effluent discharge elevation?		Top		Middle	X	Bottom					
14.	Freeboard	2.0 feet										
15.	Appearance of effluent?		GOOD		FAIR		POOR					✖
16.	Are monitoring wells present?										✖	
	Are wells adequately protected from runoff?											✖
	Are caps on and secured?											✖

GENERAL CONDITION:	GOOD	✖	FAIR		POOR	

COMMENTS:	

UNIT PROCESS:	ACTIVATED SLUDGE - COMPLETE MIX LAGOON

			YES	NO	NA
1.	Number of aeration units	1			
2.	Number units in operation	1			
3.	Mode of operation:	Complete mix			
4.	Proper flow distribution between units				✖
5.	Foam control operational				✖
6.	Scum control present				✖
7.	Dead spots			✖	
8.	Excessive foam			✖	
9.	Poor aeration		✖		
10.	Excessive scum			✖	
11.	Aeration equipment malfunction			✖	
12.	Other problem(s):			✖	
13.	Effluent control devices working properly (OXIDATION DITCHES)				✖

14. *MIXED LIQUOR CHARACTERISTICS AS AVAILABLE:* ***August 2015***

pH (s.u.)	5.9 – 7.15	MLSS (mg/l)	7657	DO (mg/l)	.03 – 1.3	MCRT Days	32
Odor	Normal	Settleability		95 % 30 Min.		F/M Ratio	.0037
Color	Reddish Brown			NH3 (mg/l)		18.6	

15. *RETURN/WASTE SLUDGE RATES:*

Return Rate	1100 GPM	Waste Rate	120 GPM	Waste Frequency	Daily

16. *AERATION SYSTEM CONTROL:*

Time Clock		Manual Feed		Continuous Feed	✖
Other:					

GENERAL CONDITION:	GOOD		FAIR / POOR	✖	POOR	

COMMENTS:	**This process is in an upset condition. The proper D.O. level in the lagoon cannot be maintained. The D.O. in August averaged .03 to 0.7 mg/l; the DO is normally maintained at > 3.0 mg/l.**

UNIT PROCESS:	ACTIVATED SLUDGE BIO REACTOR 3

			YES	NO	NA
1.	Number of units	1			
2.	Number units in operation	1			
3.	Mode of operation:				
4.	Proper flow distribution between units				✖
5.	Foam control operational				✖
6.	Scum control present				✖
7.	Dead spots		✖		
8.	Excessive foam		✖		
9.	Poor aeration		✖		
10.	Excessive scum		✖		
11.	Aeration equipment malfunction		✖		
12.	Other problem(s):				✖
13.	Effluent control devices working properly (OXIDATION DITCHES)				✖

14. *MIXED LIQUOR CHARACTERISTICS AS AVAILABLE:*

pH (s.u.)		MLSS (mg/l)		DO (mg/l)		SVI	
Odor	**Normal**	Settleability (30 Min)				SDI	
Color	**Reddish Brown**						

15. *RETURN/WASTE SLUDGE RATES:*

Return Rate	**100%**	Waste Rate	**Varies**	Waste Frequency	**Daily**

16. *AERATION SYSTEM CONTROL:*

Time Clock		Manual Feed		Continuous Feed	✖
Other:					

GENERAL CONDITION:	GOOD		FAIR	✖	POOR	

COMMENTS:	**Micro 2000 glycerin is fed into the transfer line from the CMAS tank into the #3 reactor as a carbon source. On 8/10/2015 5 tons of Hydro- Carrier was added to the CMAS lagoon to reduce the effects of the upset in progress.**

UNIT PROCESS:	SEDIMENTATION

	PRIMARY		SECONDARY	✖	TERTIARY		YES	NO	NA
1.	Number of units				1				
2.	Number units in operation				1				
3.	Proper flow distribution between units								✖
4.	Sludge collection system working properly?						✖		
5.	Signs of short circuiting and/or overloads						✖		
6.	Effluent weirs level						✖		
7.	Effluent weirs clean						✖		
8.	Scum collection system working properly						✖		
9.	Influent/effluent baffle system working properly						✖		
10.	Chemical Used					Chemical Addition	✖		
11.	Effluent characteristics				Slightly turbid				

GENERAL CONDITION:	GOOD		FAIR	✖	POOR	

COMMENTS:	Some light solids on surface of the tank. Chemicals are fed to the biomass from the number 3 reactor to the clarifier to enhance flocculation and coagulation. Sodium Trithiocarbonate is added to precipitate copper from the biomass.

UNIT PROCESS:	BIOLOGICAL REACTOR

	PRIMARY		SECONDARY		TERTIARY	✖	YES	NO	NA
1.	Number of units				1				
2.	Number units in operation				1				
3.	Proper flow distribution between units								✖
4.	Sludge collection system working properly?						✖		
5.	Signs of short circuiting and/or overloads							✖	
6.	Effluent weirs level (surface pipe)						✖		
7.	Effluent weirs clean								✖
8.	Scum collection system working properly								✖
9.	Influent/effluent baffle system working properly								✖
10.	Chemical Used					Chemical Addition	✖		
11.	Effluent characteristics								

GENERAL CONDITION:	GOOD	✖	FAIR		POOR	

COMMENTS:	

UNIT PROCESS:	SLUDGE HOLDING LAGOON

									YES	NO	NA
1.	Type	Aerated		Unaerated	✖	Polishing					
2.	Number of cells	1									
3.	Number cells in operation	1									
	Operation of system										
4.	Series		Parallel		Other:						✖
	Color				Light Brown	✖					
5.	Gray		Brown		Green		Other:				
	EVIDENCE OF THE FOLLOWING PROBLEMS:										
	Vegetation in lagoon or dikes?									✖	
	Rodents burrowing on dikes?									✖	
	Erosion?									✖	
	Sludge bars?									✖	
	Excessive foam?									✖	
6.	Floating material?									✖	
7.	If aerated, are lagoon contents mixed adequately?										✖
8.	If aerated, is aeration system operating properly?										✖
9.	Odors:	Slight Septic	✖	Earthy		None		Other:			
10.	Fencing intact?										✖
11.	Grass maintained properly?								✖		
12.	Level control valves working properly?								✖		
13.	Effluent discharge elevation?		Top		Middle		Bottom				✖
14.	Freeboard	1 to 1.5 feet									
15.	Appearance of effluent?		GOOD		FAIR		POOR				✖
	Are monitoring wells present?									✖	
	Are wells adequately protected from runoff?										✖
16.	Are caps on and secured?										✖

GENERAL CONDITION:	GOOD		FAIR	✖	POOR	

COMMENTS:	**The solids holding level is at or near the maximum. Solids need to be removed from this lagoon to enable facility to waste excess sludge this fall and winter. 14. Evidence of freeboard level not being maintained at more than 1 foot.**

UNIT PROCESS:	STORMWATER POND

									YES	NO	NA
1.	Type	Aerated		Unaerated	✖	Polishing					
2.	Number of cells	1									
3.	Number cells in operation	1									
4.	Operation of system										
	Series		Parallel		Other:						✖
5.	Color				Light Brown						
	Gray		Brown		Green	x	Other:	Clear			
6.	EVIDENCE OF THE FOLLOWING PROBLEMS:										
	Vegetation in lagoon or dikes?									✖	
	Rodents burrowing on dikes?									✖	
	Erosion?									✖	
	Sludge bars?									✖	
	Excessive foam?									✖	
	Floating material?									✖	
7.	If aerated, are lagoon contents mixed adequately?									✖	
8.	If aerated, is aeration system operating properly?										✖
9.	Odors:	Septic		Earthy	X	None		Other:			
10.	Fencing intact?										✖
11.	Grass maintained properly?								✖		
12.	Level control valves working properly?										✖
13.	Effluent discharge elevation?	Top		Middle	✖	Bottom					
14.	Freeboard	2 feet									
15.	Appearance of effluent?	GOOD		FAIR		POOR	✖				
16.	Are monitoring wells present?									✖	
	Are wells adequately protected from runoff?										✖
	Are caps on and secured?										✖

GENERAL CONDITION:	GOOD		FAIR	✖	POOR	

COMMENTS:	**The freeboard level in the storm water pond is maintained by pumping excess water in the pond into the CMAS lagoon. This is done manually by turning on a pump at the lift station next to the pond. The water from the pond is conveyed to the CMAS lagoon for treatment.**

UNIT PROCESS:	OLD UNLINED LAGOONS

									YES	NO	NA
1.	Type	Aerated		Unaerated	✖	Polishing					
2.	Number of cells	5									
3.	Number cells in operation	1									
4.	Operation of system										
	Series		Parallel		Other:						✖
5.	Color			Light Brown							
	Gray		Brown	✖	Green	✖	Black/grey/clear				
6.	*EVIDENCE OF THE FOLLOWING PROBLEMS:*										
	Vegetation in lagoon or dikes? **Vegetation is not causing a problem.**								✖		
	Rodents burrowing on dikes?								?	?	
	Erosion?								?	?	
	Sludge bars?								✖		
	Excessive foam?								?	?	
	Floating material? **Dead vegetation**								✖		
7.	If aerated, are lagoon contents mixed adequately?										✖
8.	If aerated, is aeration system operating properly?										✖
9.	Odors:	Septic		Earthy	✖	None		Other:			
10.	Fencing intact? **No Fence.**										✖
11.	Grass maintained properly?								✖		
12.	Level control valves working properly?								✖		
13.	Effluent discharge elevation?		Top		Middle		Bottom				✖
14.	Freeboard	**Over 10 feet.**									
15.	Appearance of effluent?		GOOD		FAIR		POOR				✖
16.	***Are monitoring wells present?***									✖	
	Are wells adequately protected from runoff?										✖
	Are caps on and secured?										✖

GENERAL CONDITION:	GOOD		FAIR	✖	POOR	

COMMENTS:	**Mixed liquor has been pumped into the first lagoon. The mixed liquor was pumped into the lagoon in August to help reduce the solids level in the system due to upset conditions. The volume of biomass pumped to/from the old lagoons was 600,000 gals. on 8/16; 720,000 gals. on 8/23; and 720,000 gals. on 8/24/15 as supplied by Tyson Foods.**

1-15

VA0004049

Tyson Foods, Inc.

UNIT PROCESS:	TERTIARY FILTRATION

							YES	NO	NA
1.	Type of filters	Gravity	✖	Pressure	Intermittent				
2.	Number of units	2 Deep Bed Filtration units							
3.	Number units in operation	2 (two)							
4.	Operation of system	Other: (specify)							
	Automatic	✖	Semi-automatic		Manual				
5.	Proper flow distribution between units						✖		
6.	*EVIDENCE OF THE FOLLOWING PROBLEMS?*								
	Uneven flow distribution?							✖	
	Filter clogging?							✖	
	Nozzle clogging?								✖
	Icing?								✖
	Filter flies?								✖
	Vegetation on filter?								✖
7.	Filter aid system provided?								✖
	Properly operating?								✖
	Chemical used:								
8.	Automatic valves operating properly?						✖		
9.	Backwash system operating properly?						✖		
10.	Filter building adequately ventilated?						✖		
11.	Effluent characteristics?	Clear							

GENERAL CONDITION:	GOOD	✖	FAIR		POOR	

COMMENTS:	The sand was replaced in both filters on 5/5/15.

VA0004049 090915 SJT

1-16

Tyson Foods, Inc.

VA0004049

UNIT PROCESS:	ULTRAVIOLET (UV) DISINFECTION

				YES	NO	NA
1.	Number of uv lamps/assemblies	60/10				
2.	Number units in operation	60/10				
3.	Type of uv system and design dosage	Trojan UV 3000				
4.	Method of uv intensity monitoring	UV Meter				
5.	Proper flow distribution between units?			✖		
6.	Adequate ventilation of ballast control boxes			✖		
7.	Indication of on/off status of all lamps provided			✖		
8.	Lamp assemblies easily removed for maintenance			✖		
9.	Records of lamp operating hours and replacement dates provided			✖		
	Routine cleaning system provided			✖		
	System operating properly			✖		
10.	Frequency of routine cleaning	When Needed				
11.	Lamp energy control system operating properly			✖		
	Date of last system overhaul	January & April 2014				
	UV unit completely drained					✖
	All surfaces cleaned			✖		
	UV transmissibility checked			✖		
	Output of selected lamps checked				✖	
	Output of tested lamps					✖
	Total operating hours of oldest lamp/assembly	Bank A 20747	Bank B 22368			
12.	Number of spare lamps/ballasts available	5	2			
13.	UV protective eyeglasses provided			✖		

GENERAL CONDITION:	GOOD	✖	FAIR		POOR	

COMMENTS:	Two lamp indicator lights were off on the screen panel, but the lamps were operational.

1-17

Tyson Foods, Inc.

VA0004049

UNIT PROCESS:	FLOW MEASUREMENT

INFLUENT [ ] INTERMEDIATE [ ] EFFLUENT [X]

			YES	NO	NA
1.	Type of measuring device	Ultrasonic			
2.	Present reading?	793 GPM / Totalizer 192115			
3.	Bypass channel			✖	
4.	Bypass channel metered?				✖
5.	Return flow discharged upstream of the meter?			✖	
	Identify:				
6.	Device operating properly?		✖		
7.	Date of last calibration?	4/29/2015			
8.	EVIDENCE OF THE FOLLOWING PROBLEMS				
	Obstruction?				✖
	Grease?				✖

GENERAL CONDITION:	GOOD		FAIR	✖	POOR	

COMMENTS:	

INFLUENT [ ] INTERMEDIATE [ ] EFFLUENT [ ]

			YES	NO	NA
1.	Type of measuring device				
2.	Present reading?				
3.	Bypass channel				
4.	Bypass channel metered?				
5.	Return flow discharged upstream of the meter?				
	Identify:				
6.	Device operating properly?				
7.	Date of last calibration?				
8.	EVIDENCE OF THE FOLLOWING PROBLEMS:				
	Obstruction?				
	Grease?				

GENERAL CONDITION:	GOOD		FAIR		POOR	

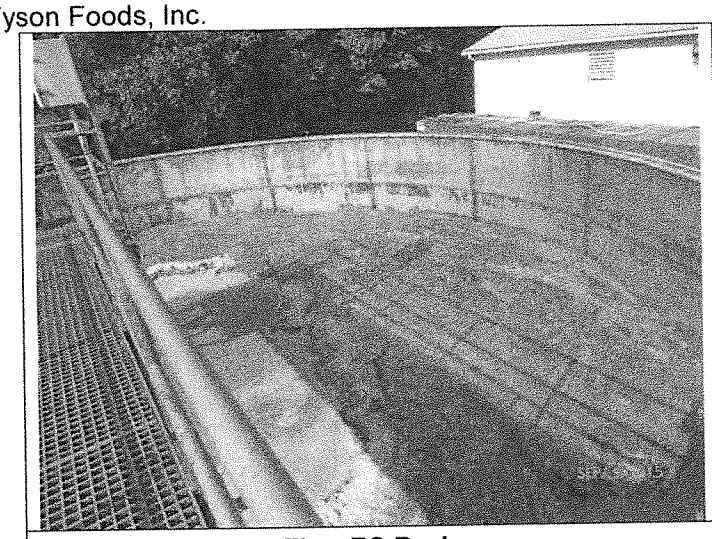
COMMENTS:	

UNIT PROCESS:	EFFLUENT/PLANT OUTFALL

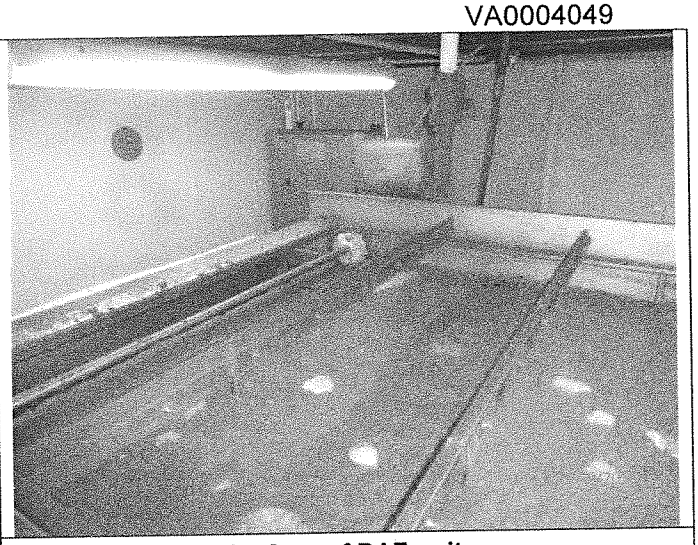
									YES	NO	NA
1.	Type of outfall		Shore Based		✖	Submerged					
2.	*TYPE IF SHORE BASED:*										
	Wingwall		Headwall		Rip Rap		Pipe	✖			
3.	Flapper valve present?									✖	
4.	Erosion of bank area?									✖	
5.	Effluent plume visible?									✖	
6.	Condition of outfall and the supporting structure?										
	GOOD	✖	FAIR		POOR						
7.	*FINAL EFFLUENT, EVIDENCE OF FOLLOWING PROBLEMS?*										
	Oil sheen?									✖	
	Grease?									✖	
	Sludge bar?									✖	
	Turbid effluent?									✖	
	Visible foam?									✖	
	Unusual color?									✖	
8.											

GENERAL CONDITION:	GOOD		FAIR	x	POOR	

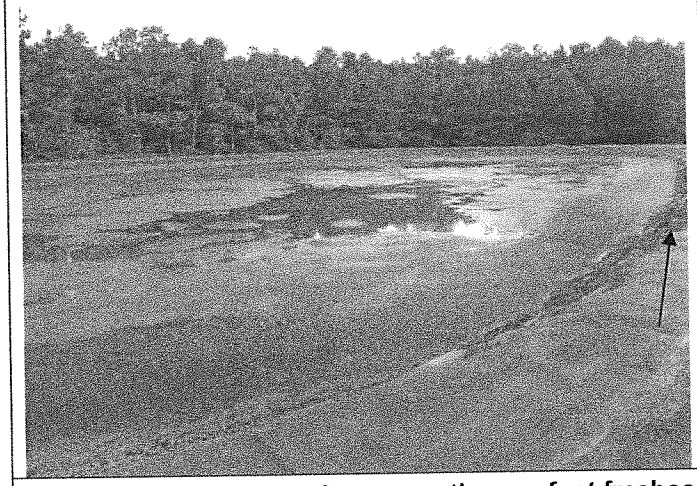
COMMENTS:	**The effluent at Outfall 001 was clear; the receiving steam appeared normal. No solids noticed on the substrate and little, if any, surface foam.**



Flow EQ Basin

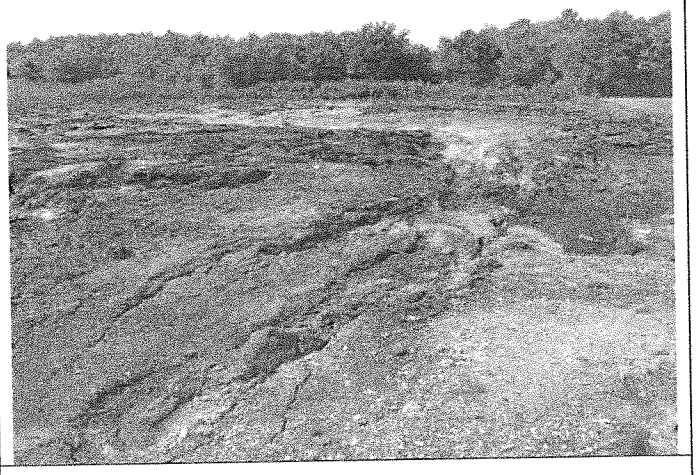


Surface of DAF unit.



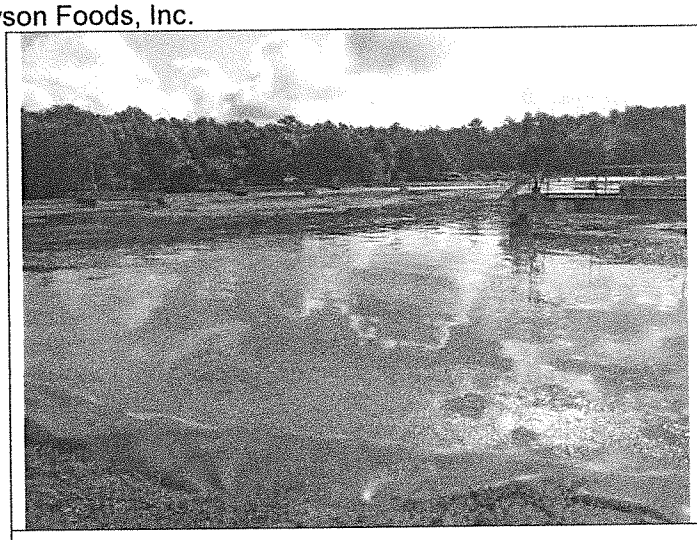
Sludge holding lagoon, it appears the one foot freeboard has not been maintained at some point. There was no evidence of an overflow.

Influent anaerobic lagoon on the left and sludge holding lagoon on the right. There was visual evidence of a possible overflow or spill at this location. One foot freeboard is in jeopardy.

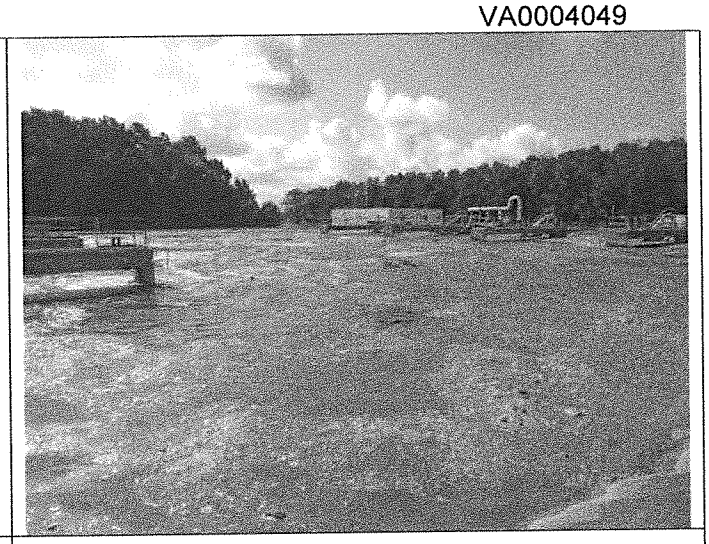


Surface of influent anaerobic lagoon - not in service.

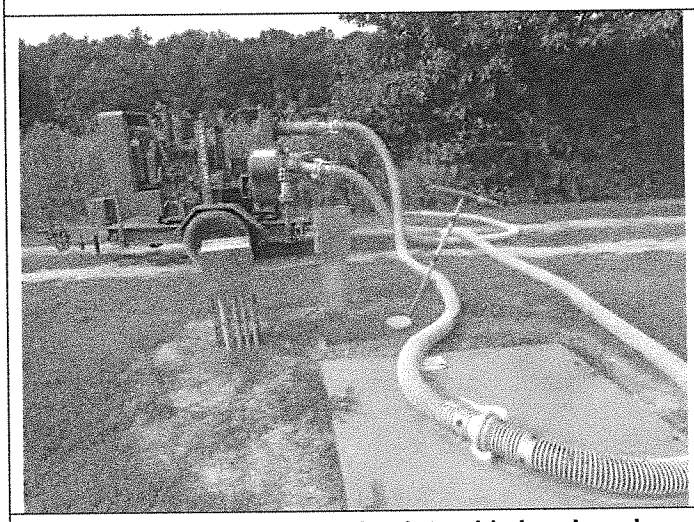
1-20



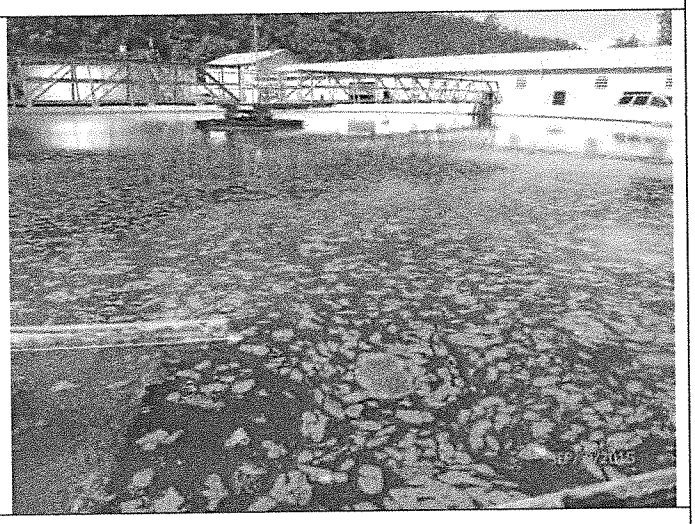
Anoxic lagoon



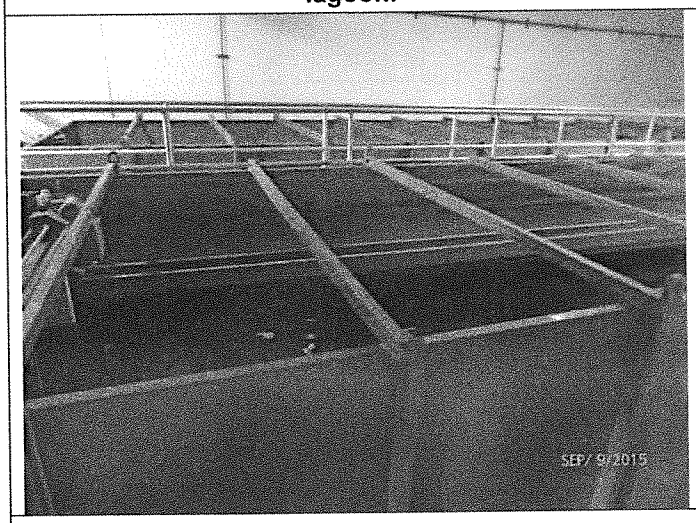
CMAS Lagoon



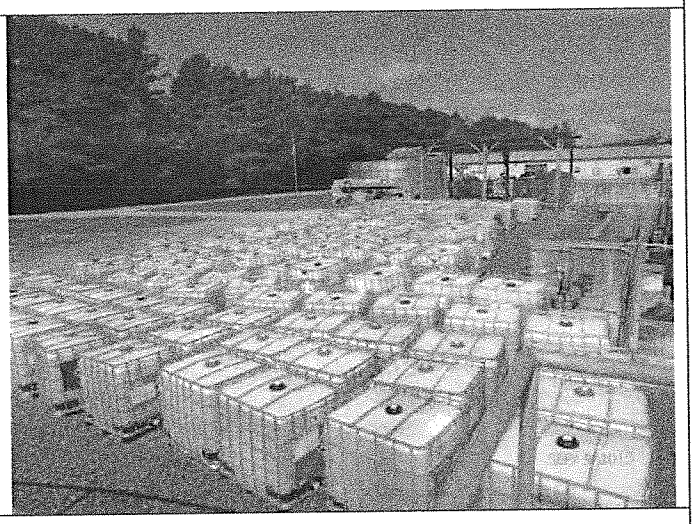
Pump with hose line going into old abandoned lagoon.



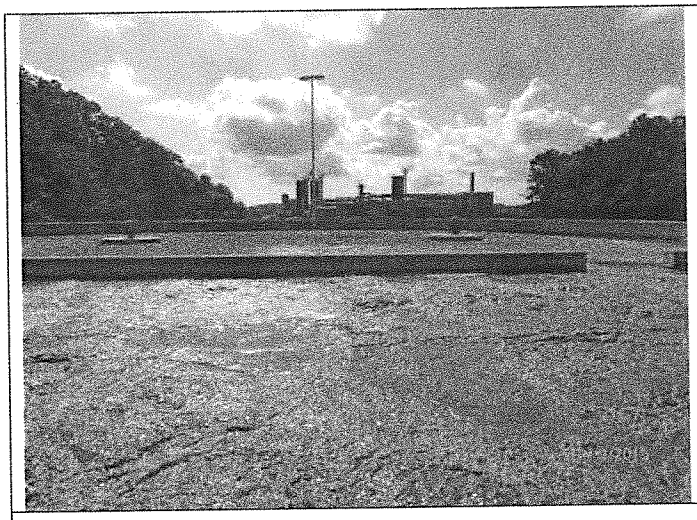
Surface of sedimentation basin.



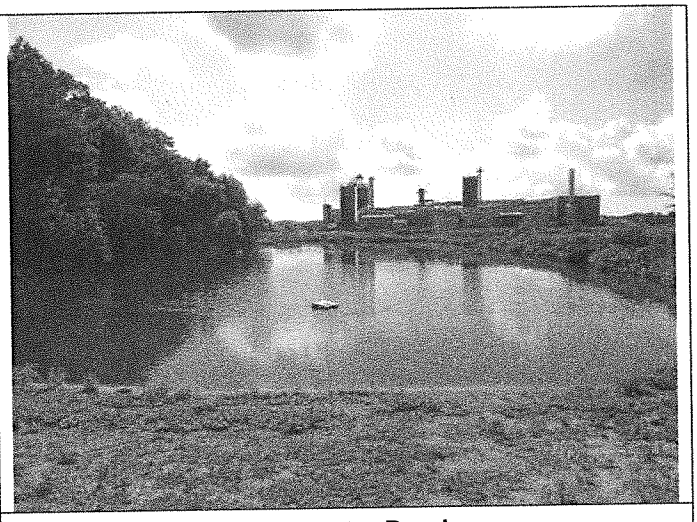
Tertiary sand filters



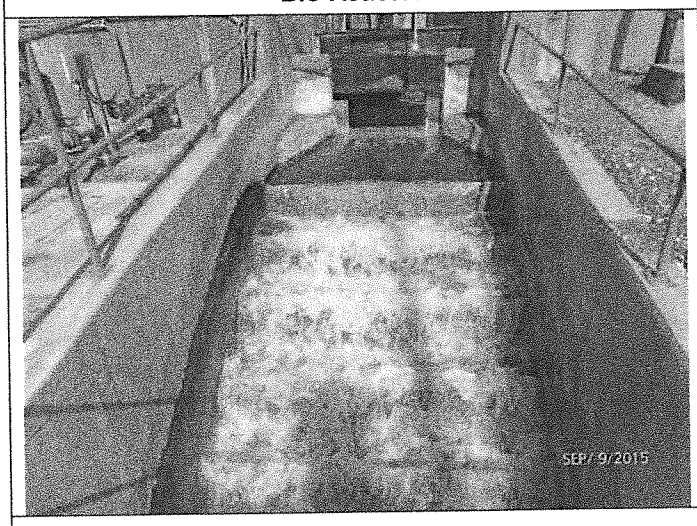
Chemical tote storage.



Bio Reactor

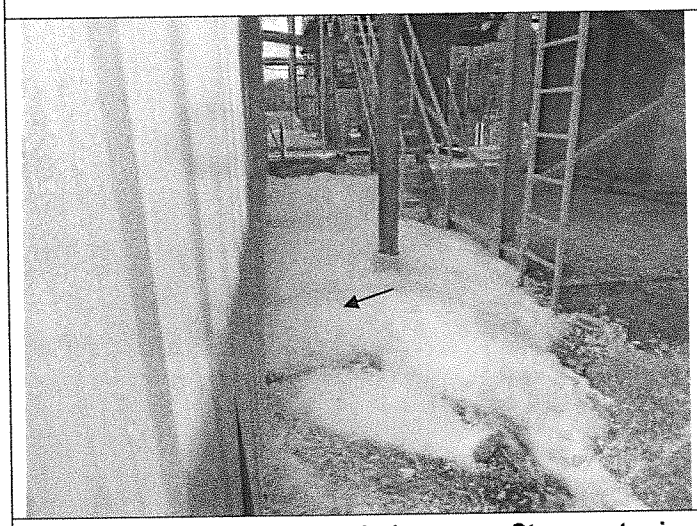


Stormwater Pond.



Step aeration.

12.5 % Sodium hypochlorite solution.



White foam present at rendering area. Stormwater in this area will drain to SW pond.

Receiving ditch at outfall 001.

ATTACHMENT 2

DISCHARGE LOCATION/TOPOGRAPHIC MAP

2-1

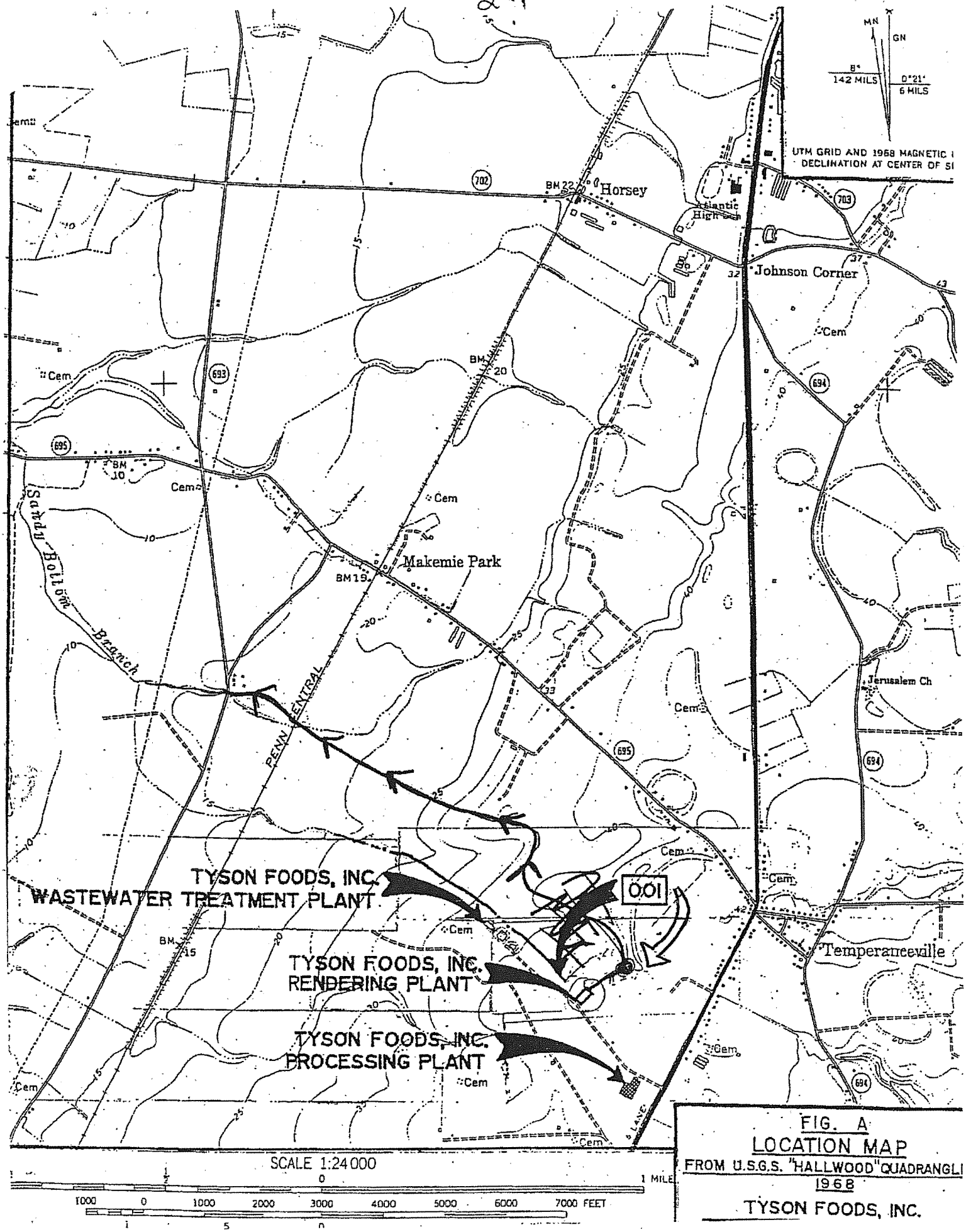
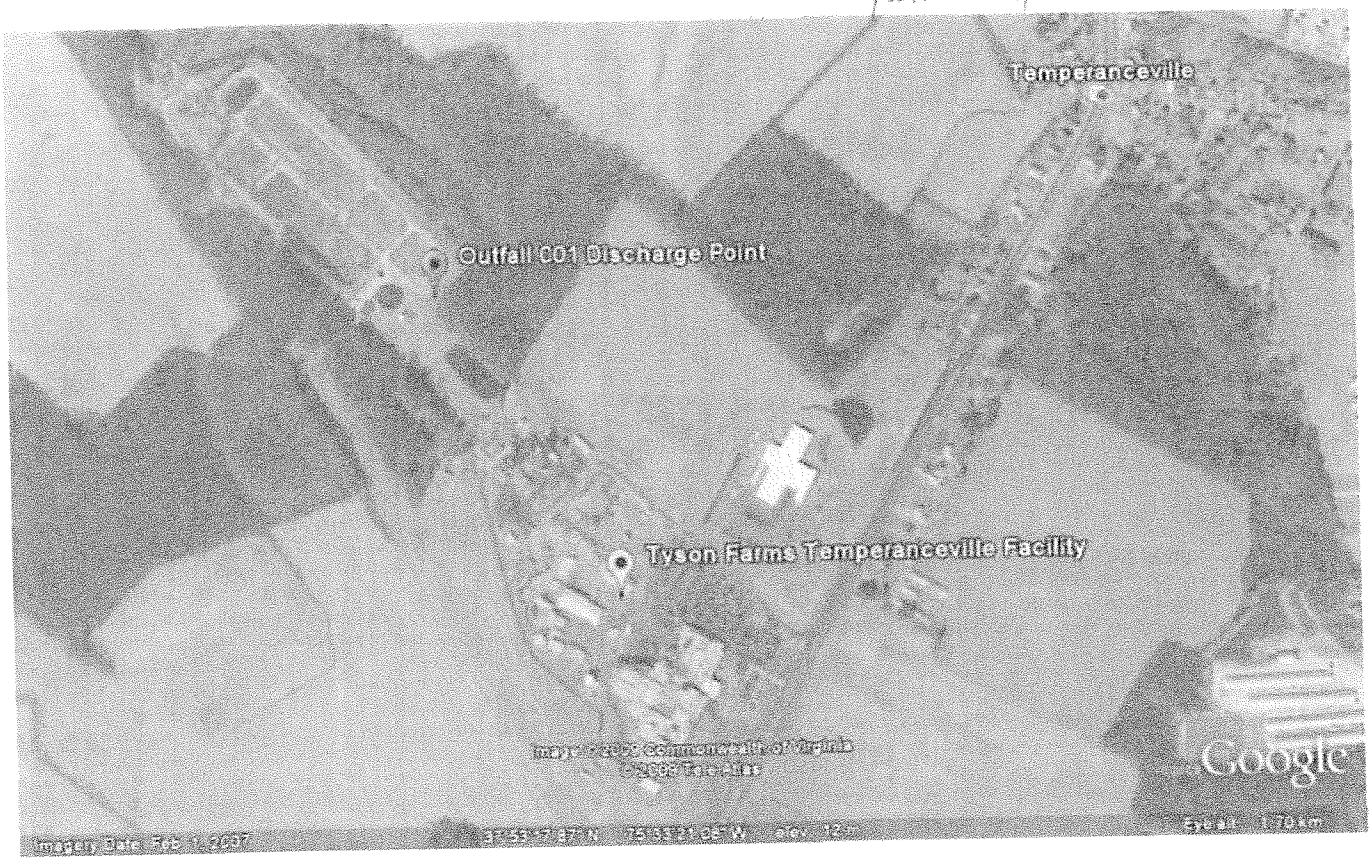


FIG. A
LOCATION MAP
FROM U.S.G.S. "HALLWOOD" QUADRANGLE
1968
TYSON FOODS, INC.

2-2

VA0001099
Tyson - Temperanceville



2-3

90163079

Tyson Foods, Inc
VPDES Permit No. VA0004049

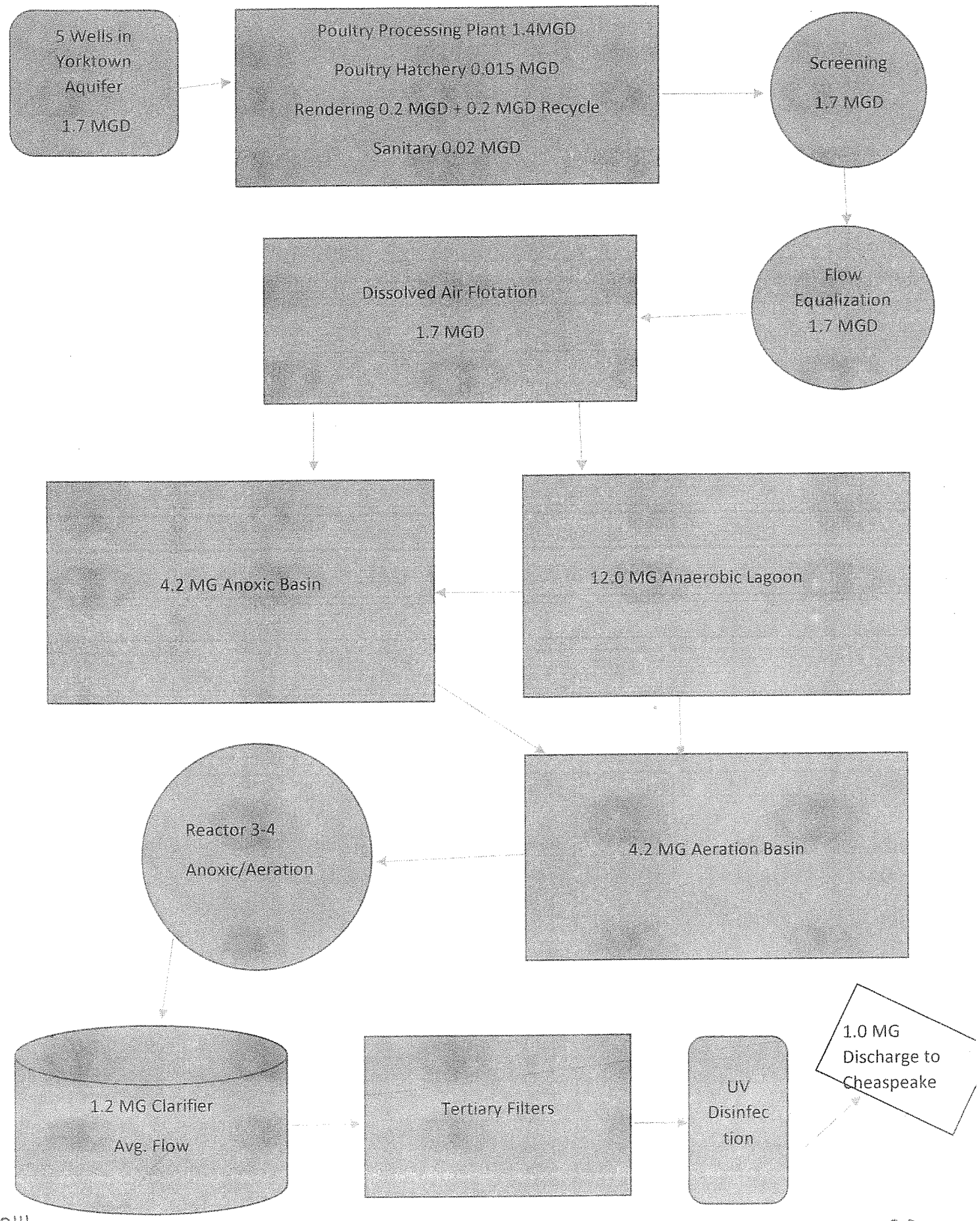
Storm Water Outfalls 003 and 004
Activities w/i drainage area not associated with indusial activity

ATTACHMENT 3

SCHEMATIC/PLANS & SPECS/SITE MAP/ WATER BALANCE

3-1

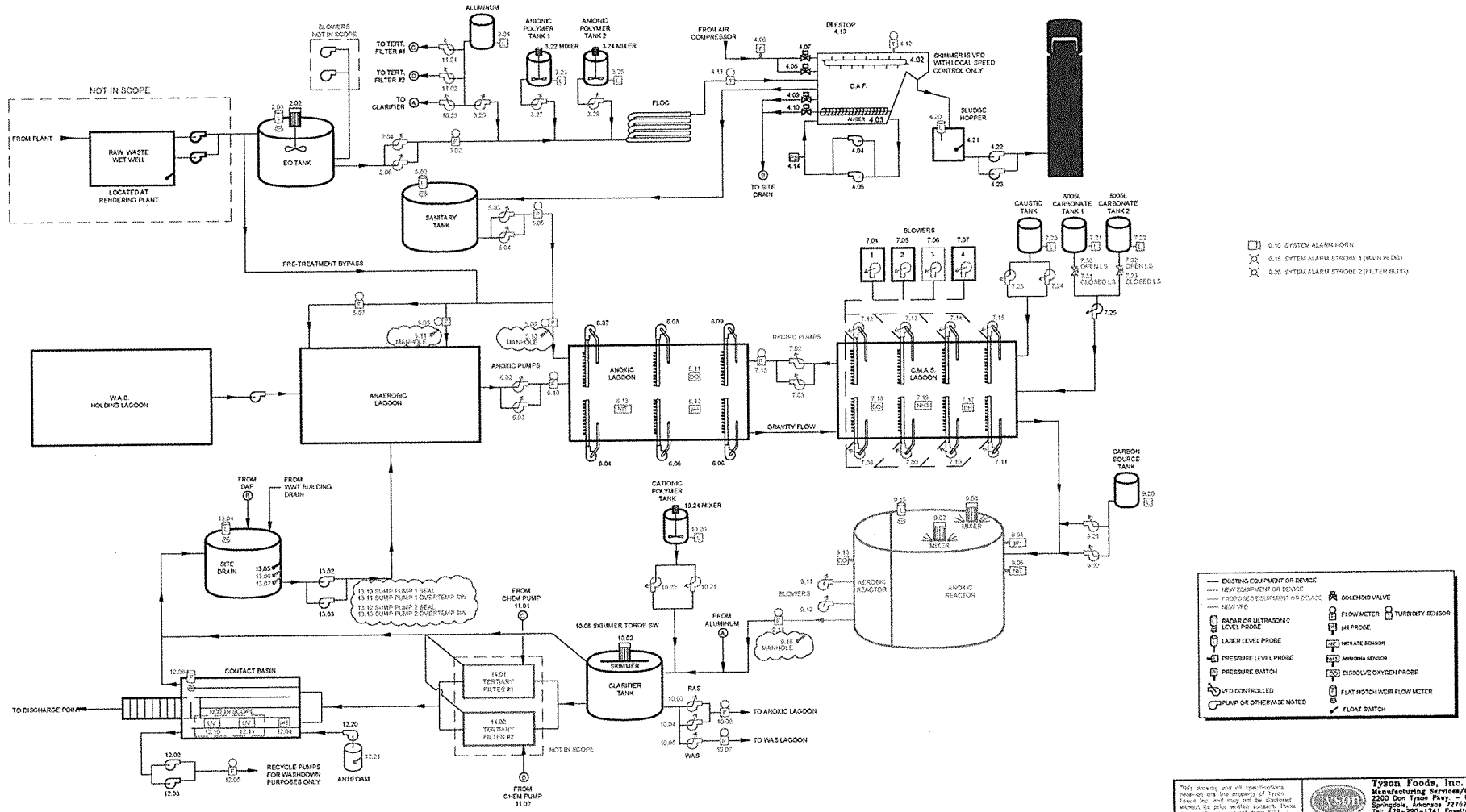
Tyson Farms, Inc
VA0004049



2014
1 WK = 310 216 563 11

36month LTA Flow = 0.98MGD

NO.	BY	CHKD	APRV	REVISION	DATE
A	RB			ISSUED FOR BID	5/3/10
B	RB			REVISED FOR BID	5/10/10



PROCESS FLOW DIAGRAM
SHT. 1 OF 2

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Tyson Foods, Inc.
Manufacturing Services/Contact
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Tel: 605-235-7002 Dakota Dunes Office

TITLE: WASTE WATER TREATMENT SYSTEM
PROCESS CONTROLS UPGRADE
TEMPERANCEVILLE VIRGINIA

DRWN BY: RB-IER
CHKD BY:
APVD BY:
PROJECT:
DATE: 5/3/10
DWG NO: EC 0.1
REV A
SCALE: AS NOTED
SHEET: 1 OF 2

3-2

3-3

Thompson, Debra (DEQ)

From: Redinger, David [david.redinger@tyson.com]
Sent: Tuesday, June 16, 2015 11:15 AM
To: Thompson, Debra (DEQ)
Subject: LWK

Live weight kill for 2014 was 310,716,563 pounds

David Redinger
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ATTACHMENT 4

TABLE I - DISCHARGE/OUTFALL DESCRIPTION

4-1

TABLE I

NUMBER AND DESCRIPTION OF OUTFALLS
VA0004049

OUTFALL NO.	DISCHARGE LOCATION	DISCHARGE SOURCE (1)	TREATMENT (2)	FLOW (3)
001	37 53 30 75 33 57 Unnamed tributary to Sandy Bottom Branch	Poultry Processing, rendering, hatchery, recycle to rendering, storm water	Screening, anaerobic treatment, activated sludge, nitrification/denitrification, chemical precipitation, disinfection, post aeration	1.25 MGD (design) LTA=0.98 MGD
002*		Storm water pond		
003	37 53 06.89 75 33 14.72	stormwater runoff **not associated with industrial activity**	settling/natural vegetation filtration	rainfall dependant
004	37 53 04.63 75 33 16.19	stormwater runoff **not associated with industrial activity**	settling/natural vegetation filtration	rainfall dependant

(1) List operations contributing to flow
(2) Give brief description, unit by unit
(3) Give maximum 30-day average flow for industry and design flow for municipal

*Outfall 002 deleted from the permit as all point source discharges from the storm water pond have been permanently sealed.

ATTACHMENT 5

TABLE II - EFFLUENT MONITORING/LIMITATIONS

TABLE II - INDUSTRIAL EFFLUENT LIMITATIONS/MONITORING

OUTFALL # **001**
Outfall Description: **Processing/rendering plant wastewater**
SIC CODE: 2015, 2077, 0254

(X) Final Limits ( ) Interim Limits Effective Dates - From: **issuance** To: **expiration**

PARAMETER & UNITS	BASIS FOR LIMITS	MULTIPLIER OR PRODUCTION	EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
			MONTHLY AVERAGE	MINIMUM	MAXIMUM	FREQUENCY	SAMPLE TYPE
Flow (MGD)	3	Design Flow = 1.25 MGD	NL	NA	NL	continuous	Totalizing, Indicating & Recording
pH (S.U.)	3	BPJ for the protection of water quality	NA	6.0	9.0	1/Day	Grab
BOD5 (mg/l)	1	40 CFR Part 432.112 Subpart K	16	NA	26	2/week	24-Hr Comp
BOD5 (lb/d)	3	BPJ for WQ in conjunction with 40 CFR Part 432.112 Subpart K (Design Flow 1.25 MGD)	167	NA	271	2/week	24-Hr Comp
Total Suspended Solids (mg/l)	1	40 CFR Part 432.112 Subpart K	20	NA	30	2/week	24-Hr Comp
Total Suspended Solids Calendar Year (lbs/year)	3	BPJ for WQ in conjunction with Chesapeake Bay TMDL	NA	NA	60955	1/year	Calculated
Oil & Grease (mg/l)	1	40 CFR Part 432.112 Subpart K	8	NA	14	1/week	Grab
Oil & Grease (lb/d)	3	BPJ for WQ in conjunction with 40 CFR Part 432.112 Subpart K (Design Flow 1.25 MGD)	83	NA	146	1/week	Grab
Ammonia-Nitrogen (NH_3-N) (mg/l) (Nov-Apr) [a]	2	Site Specific data evaluation and model	1.7	NA	2.7	2/week	24-Hr Comp

PARAMETER & UNITS	BASIS FOR LIMITS	MULTIPLIER OR PRODUCTION	EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
			MONTHLY AVERAGE	MINIMUM	MAXIMUM	FREQUENCY	SAMPLE TYPE
Ammonia-Nitrogen (NH_3-N) (mg/l) (May-Oct) [b]	2	Site Specific data evaluation and model	0.7	NA	1.3	2/week	24-Hr Comp
Dissolved Oxygen (mg/l)	2	BPJ for protection of water quality	NA	6.5	NA	1/Day	Grab
Total Residual Chlorine (TRC) (mg/l) [c] [d]	2	BPJ for protection of water quality	0.0080	NA	0.016	2/day	Grab
Whole Effluent Toxicity TUc [e]	2	BPJ for protection of water quality	NA	NA	1.724	1/3 months	24-hr Comp
Total Phosphorus (mg/l/Month) [f] [g]		Nutrient Reporting requirements in conjunction with TMDL	NL	NA	NA	1/Month	24-Hr Comp
Total Phosphorus Year-to-Date (mg/l) [f] [g]	2	Nutrient Reporting requirements in conjunction with TMDL	NA	NA	NL	1/month	Calculated
Total Phosphorus Calendar Year (mg/l) [g] [h]	2	Based on 0.3 mg/l TP and design flow = 1.25 MGD	0.3	NA	NA	1/Year	Calculated
Total Nitrogen (mg/l/Month) [f] [g] [i]	2	Nutrient Reporting requirements in conjunction with TMDL	NL	NA	NA	1/Month	24-Hr Comp
Total Nitrogen Year to Date (mg/l) [f] [g] [i]	2	Nutrient Reporting requirements in conjunction with TMDL	NA	NA	NL	1/month	Calculated
Total Nitrogen Calendar Year (mg/l) [g] [h] [i]	2	Nutrient Reporting requirements in conjunction with Chesapeake Bay TMDL	6.0	NA	NA	1/Year	Calculated
Total Kjeldahl Nitrogen (mg/l) [f]	3	Nutrient Reporting requirements in conjunction with Chesapeake Bay TMDL	NL	NA	NA	1/week	24-Hr Comp
Nitrite + Nitrates (mg/l) [f]	3	Nutrient Reporting requirements in conjunction with Chesapeake Bay TMDL	NL	NA	NA	1/week	24-Hr Comp
Total Recoverable Copper (ug/l)	2	Site specific limitations and metal translator study for limit development	16	NA	22	1/week	24 hr Comp

5,2

PARAMETER & UNITS	BASIS FOR LIMITS	MULTIPLIER OR PRODUCTION	EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
			MONTHLY AVERAGE	MINIMUM	MAXIMUM	FREQUENCY	SAMPLE TYPE
Fecal Coliform(N/CML)[c][j]	2	Bacteria TMDL	126	NA	NA	1/week	Grab

NA = NOT APPLICABLE; **NL** = NO LIMIT, MONITORING REQUIREMENT ONLY

1/3 Months = In accordance with the following schedule: 1st quarter (January 1 - March 31); 2nd quarter (April 1 - June 30); 3rd quarter (July 1 - September 30); 4th quarter (October 1 - December 31).

1/year = Between January 1st and December 31st.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

In addition to any Total Nitrogen or Total Phosphorus concentration limits listed above, this facility has Total Nitrogen and Total Phosphorus calendar year load limits associated with this outfall included in the current Registration List under registration number VAN050005, enforceable under General VPDES Watershed Permit Regulation for Total Nitrogen and Total Phosphorus Discharges and Nutrient Trading in the Chesapeake Watershed in Virginia.

[a] Ammonia limitations are effective for the winter months of November 1 through April 30.
[b] Ammonia limitations are effective for the summer months of May 1 through October 31.
[c] See Part I.B. For Alternative Disinfection Special Condition Language.
[d] Total Residual Chlorine shall be monitored and reported, as required, at any time chlorine is used for disinfection (ie. when the ultraviolet radiation (UV) disinfection system is non-operational, undergoing maintenance or otherwise malfunctioning, anytime in-plant disinfection is employed).
[e] See Part I.C. for WET limitations and monitoring requirements.
[f] See Parts I.D.6. and I.D.7. for quantification levels and reporting requirements.
[g] See Part I.D.4. for Nutrient Reporting Calculations
[h] Annual average limitation, based on a calculation of all samples collected during the calendar year.
[i] Total Nitrogen, which is the sum of Total Kjeldahl Nitrogen and Nitrates plus Nitrites, shall be derived from the results of those tests.
[j] Fecal Coliform monthly average is calculated as a geometric mean.

The basis for the limitations codes are:

1. Technology (e.g., Federal Effluent Guidelines)40 CFR Part 432, Subpart K "Poultry First Processors"
2. Water Quality Standards (9 VAC 25-260 et. seq.), Nutrient Regulations, Ches Bay TMDL under Bay segment POCMH approved 12/23/10
3. Best Professional Judgment

TABLE II - STORM WATER EFFLUENT LIMITATIONS/MONITORING

OUTFALL # 003, 004
Outfall Description: (storm water runoff from parking lots, roof drains and grass areas not associated with regulated industrial activity)
SIC CODE: 2015

THESE OUTFALLS SHALL CONTAIN ONLY STORM WATER RUNOFF NOT ASSOCIATED WITH A REGULATED INDUSTRIAL ACTIVITY WHERE NO MONITORNG OR REPORTING IS REQUIRED. THERE SHALL BE NO DISCHARGE OF PROCESS WASTEWATER FROM THESE OUTFALLS.

ATTACHMENT 6

EFFLUENT LIMITATIONS/MONITORING RATIONALE/SUITABLE DATA/ ANTIDEGRADATION/ANTIBACKSLIDING

Tyson Foods, Incorporated
Reissuance of VPDES Permit No. VA0004049
Basis for Effluent Limitations and Monitoring Requirements

The reissuance of this permit will address one point source discharge **(outfall 001)** of process wastewater comprised of rendering, hatchery, process, sanitary waste comingled with storm water runoff from around the rendering facility, and two non-regulated storm water point source discharges **(outfalls 003, 004)**. All process water and contaminated storm water from the rendering area is collected, treated and conveyed to outfall 001. Approximately 200,000 gallon/day of treated wastewater is recycled back to rendering for reuse. Ultimately, direct discharge to State waters of treated process water from outfall 001 has averaged 0.98 MGD for the past 3 years (DMR data). The wastewater treatment plant upgrade (BNR) for compliance with nutrient loading limitations is based on a hydraulic design flow of 1.25 MGD.

Additionally, the bermed storm water pond (previously permitted and addressed as Outfall 002) is rather simplistic and was modified to store contaminated storm water without discharge to state waters. The permit requires a minimum freeboard of 2 feet and prohibits any overflow/discharge from this storage pond.

The process wastewater effluent limitations in this permit are based on Final Rule Federal Effluent Guidelines for the Poultry Industry 40 CFR Part 432 Subpart K "Poultry First Processing" category, Nutrient Regulations and calculated nutrient wasteload allocations based on receiving stream, VA State Water Quality Standards and Criteria, Best Professional Judgment (BPJ), facility data review and, STORET information. The Live Weight Kill (LWK) production for 2014 was 310,716,563 million pounds per year.

EPA Final Rule for Federal Effluent Guidelines for the Poultry Industry, 40 CFR Part 432 were approved on September 8, 2004. These ELG's address **BOD, TSS, Oil & Grease** concentrations and the equivalent mass loading limits have been calculated based on the LTA flow of 0.98 MGD. New to this permit is the **Maximum Annual WLA for TSS** (60,955 lbs max annual load) in accordance with the Chesapeake Bay TMDL (EPA approved 12/29/10). **Total Nitrogen,** calculated nutrient limits will continue in accordance with the approved site-specific facility Basis of Design (2012). New Technology has been installed as a response to the Chesapeake Bay Program waste load allocation. The new technology has enabled Tyson to meet the total phosphorus concentration of 0.3 mg/l addressed and limited in this permit.
The site specific waste load allocation limit (maximum lb/year) is and will continue to be addressed and limited in the Nutrient Trading General Permit (VAN050005) issued to Tyson Foods. **Total Nitrogen Calendar Year** limit is 22,842 lb/yr and **Total Phosphorus Calendar Year** limit is 1,142 lb/yr. (The Nutrient Trading GP effective date is January 1, 2012 with an expiration date of December 31, 2016.)

The mass limits for all parameters in this permit will change accordingly with the change in design flow of the plant. Effluent Toxicity (WET) testing data have been evaluated to determine appropriate monitoring for toxics.

Basis for Effluent Limitations and Monitoring Requirements (continued)

Tiered **Ammonia** limits will continue in this permit. The facility treatment plant has, in recent months, experienced upset conditions and exceeded their limits, however limits have been met for most of the permit term outside of upset conditions. Current limits were previously developed using site specific data and recommendations from central office staff in Richmond, however a new STATS.EXE model run was executed with updated WLA's (attached). The new STATS model run indicates limits less stringent than current site specific limits in the permit. Site specific limits will be continued in accordance with anti-backsliding regulations.
Nutrients are monitored and limited based on Guidance Memorandum(GM)07-2008 dated May 16, 2007 "Permitting Considerations for Facilities in the Chesapeake Bay Watershed" and subsequent GM07-2008 addendum and amendments dated July 24, 2007, October 23, 2007 and April 9, 2009, §62.1-44.19:15 of the Code of Virginia (as of July 1, 2005) establishing treatment technology and offset requirements for new and expanded facilities in the Chesapeake Bay watershed) and 9 VAC 25-820, General VPDES Watershed Permit Regulation for Total Nitrogen and Total Phosphorus Discharges and Nutrient Trading in the Chesapeake Watershed in Virginia. These regulation and policy guidance documents address overall concern for nutrient sensitive waters. **Total Phosphorus** and **Total Nitrogen** (concentrations) are monitored and reported monthly and annually. In addition, **Nitrites+Nitrates and Total Kjeldahl Nitrogen** are reported individually and the sum of both are reported as **Total Nitrogen.**

Total Residual Chlorine; Ultraviolet Radiation (UV) is the primary method of disinfection prior to point source discharge at outfall 001; chlorination will be available as a back-up. In addition, disinfection within the processing plant employs chlorination as a matter of new regulations by USDA. Therefore, in the event that the UV system malfunctions or is otherwise out of operation for a period of time, and/or in-plant disinfection using chlorination is employed, "Additional Total Residual Chlorine Limitations and Monitoring Requirements" language has been included in the special conditions. Total Residual Chlorine limitations will remain, as in the previous permit, based on WQS/WLA Model. (Chlorine was not used as primary disinfection during this permit term, therefore no additional chlorine data has been generated for evaluation). Monitoring frequency will be increased based on new disinfection procedure in the processing plant.
In June 2015, new USDA requirements were put in place that required poultry processing plants to treat for harmful pathogens in the process by adding "parts dips". Prior to this, Spectrum was used in the chiller as a means of pathogen control. After June 1, the company continued to use Spectrum in the chiller but in addition was required to use in parts dips located on each processing line. A total of 17 parts dips were added during this time. Spectrum is a Peracetic acid (PAA) mixture. The company sampled influent for quaternary ammonia compounds and PAA and have been unsuccessful in finding any correlation between wastewater issues and chemical addition.

(Sodium Bisulfite was dosed at 50ppm in DAF effluent to remove any residual PAA that may be making it through the influent. This was a precautionary addition to ensure that PAA was not the cause of any upset conditions).

Basis for Effluent Limitations and Monitoring Requirements (continued)

Fecal Coliform is monitored and limited as this is a poultry slaughtering operation; flows also include a sanitary contribution of approximately 20,000 gallons per day to the treatment plant (BPJ based on Permit regulation 9 VAC 25-260-170 Fecal Coliform bacteria and other waters, Sandy Bottom Branch and Unnamed Tributary to Sandy Bottom Branch). TMDL WLA is being met with permit limit (see email from Allan Brockenbough dated August 17, 2010).

In 1999, **Total Recoverable Copper** limits for freshwater were developed using 90% data from a STORET station in the receiving stream and site specific data. The copper limit (12 ug/l average, 17 ug/l maximum) became effective on January 5, 2003. In 2005 the company requested a site specific metal translator study for copper; a proposal was submitted and approved; sampling commenced in the 3rd quarter 2005. The conclusion of the study resulted in a permit modification on June 28, 2006 for incorporation of approved, revised copper limits (average 16 ug/l, maximum 22 ug/l). The STATS.EXE model was executed with 37 current data points resulting in "NO LIMIT NEEDED", however, the limit cannot be removed due to anti-backsliding regulations, no change in the current site specific limitations.

Whole Effluent Toxicity (WET) is monitored and limited (1.724 TUc) at outfall 001. The quarterly chronic toxicity testing shall continue using **Chronic 3-Brood Static Renewal Survival and Reproduction Test using *Ceriodaphnia dubia* (C.d)**. All data have been reviewed and utilized for determination of continued toxics monitoring.

Overall permit sample frequency is based on Permit Manual guidance for discharge flows "greater than 0.5 MGD to less than 2.0 MGD", guidance memos, and an IWC greater than 1%.

The design flow used in development of mass loading limits is **1.25 MGD.**

Frequency for metals is recommended at 1/week, nutrients at 1/month and 1/year, and most other parameters at 1/week or 2/week. Monitoring for chlorine increased to 2/day (BPJ for determination of compliance and protection of WQ).

Outfalls 003 and 004 address storm water flows <u>not</u> associated with an industrial activity. Outfall 003 drains 240,000 sq ft of employee parking & roof drains and 70,000 sq ft of grass and Outfall 004 drains 40,000 sq feet of employee parking and roof drainage and 22,500 sq ft of grass.
There are no monitoring requirements associated with these outfalls.

Basis for Effluent Limitations and Monitoring Requirements (continued)

Outfall 001

FLOW (MGD): No limit, however monitoring and reporting is required. Monitoring frequency is continuous by I.T.R sample. Permit manual guidance.

pH: 6.0 SU min - 9.0 SU max, 1/day by a grab sample. BPJ for the protection of water quality.

BOD5 mg/l: 16 mg/l mo. avg. - 26 mg/l daily max, 2/week by a 24-hr composite sample. In accordance with 40 CFR Part 432.112, Subpart K, "Poultry First Processors" Final Rule issued September 8, 2004.

BOD5 lb/d: 167 lb/day mo. avg - 271 lb/day daily max, 2/week by a 24-hr composite sample. BPJ for the protection of WQ and calculations in conjunction with 40 CFR Part 432.112, Subpart K concentration limits and LTA flow of 0.98 MGD.

(16 mg/l)x(1.25 mgd)x(8.345 lb/gal)=**167 lb/day mo. avg**
(26 mg/l)x(1.25 mgd)x(8.345 lb/gal)=**271 lb/day daily max**

TSS mg/l: 20 mg/l mo. avg. - 30 mg/l daily max, 2/week by a 24-hr composite sample. In accordance with 40 CFR Part 432.112, Subpart K, "Poultry First Processors" Final Rule issued September 8, 2004.

TSS lb/yr: 60,955 lbs/year annual max load; by a calculation. BPJ for protection of WQ and Chesapeake Bay TMDL (approved by EPA 12/29/2010) WLA maximum annual load.

O&G mg/l: 8 mg/l mo. avg - 14 mg/l daily max, 1/week by a grab sample. In accordance with 40 CFR Part 432.112, Subpart K, "Poultry First Processors" Final Rule issued September 8, 2004.

O&G lb/d: 83 lb/day mo. avg - 146 lb/day daily max, 1/week by a grab sample. BPJ for the protection of WQ and calculations in conjunction with 40 CFR Part 432.112, Subpart K concentration limits and LTA flow of 0.98 MGD.

(8 mg/l)x(1.25 mgd)x(8.345 lb/gal)=**83 lb/day mo. avg**
(14 mg/l)x(1.25 mgd)x(8.345 lb/gal)=**146 lb/day daily max**

Tyson Foods, Incorporated
Basis for Effluent Limitations and Monitoring Requirements

NH3-N (mg/l):
(Nov-Apr) 1.7 mg/l mo. avg - 2.7 mg/l daily max, 2/week by a 24-Hr composite sample. Based on WQS and WLA/WQS Model Run using site specific data/information.

NH3-N (mg/l):
(May-Oct) 0.7 mg/l mo. avg - 1.3 mg/l daily max, 2/week by a 24-Hr Composite sample. Based on WQS and WLA/WQS Model Run using site specific data/information.

Nitrate + Nitrite (as N) (mg/l) AND **Total Kjeldahl Nitrogen (mg/l):**
No limit however monitoring and reporting is required 1/week by a 24 hr composite. Based on BPJ for the protection of water quality and 9 VAC 25-820, General VPDES Watershed Permit Regulation for Total Nitrogen and Total Phosphorus Discharges and Nutrient Trading in the Chesapeake Watershed in Virginia and Guidance Memo No. 04-2017 "Nutrient Monitoring and Maximum Annual Loads for VPDES Permitted Facilities on the DEQ Chesapeake Bay Program's List of Significant Discharges".

Total Phosphorus (mg/l/month):
No limit monthly average, 1/month by 24-hr composite. Based on facility specific basis of design to meet nutrient standards for significant discharges to the Chesapeake Bay.

Total Phosphorus (mg/l) (Year-to-Date):
No limit maximum, 1/month by a calculation. Based on BPJ for the protection of water quality and Guidance Memo No. 04-2017 "Nutrient Monitoring and Maximum Annual Loads for VPDES Permitted Facilities on the DEQ Chesapeake Bay Program's List of Significant Discharges".

Total Phosphorus (mg/l) (calendar year):
0.3 mg/l calendar year average, 1/year by a calculation. Based on facility specific basis of design to meet nutrient standards for significant discharges to the Chesapeake Bay and BPJ for the protection of water quality and Guidance Memo No. 04-2017 "Nutrient Monitoring and Maximum Annual Loads for VPDES Permitted Facilities on the DEQ Chesapeake Bay Program's List of Significant Discharges".

Total Nitrogen (mg/l/month):
No limit monthly average, 1/month by 24-hr composite. Based on facility specific basis of design and upgraded treatment plant to meet nutrient standards for significant discharges to the Chesapeake Bay.

Total Nitrogen (mg/l) (Year-to-Date):
No limit maximum, 1/month by a calculation. Based on BPJ for the protection of water quality and Guidance Memo No. 04-2017 "Nutrient Monitoring and Maximum Annual Loads for VPDES Permitted Facilities on the DEQ Chesapeake Bay Program's List of Significant Discharges".

Tyson Foods, Incorporated
Basis for Effluent Limitations and Monitoring Requirements

Total Nitrogen (mg/l) (calendar year):
6.0 mg/l calendar year average, 1/year by a calculation. Based on BPJ for the protection of water quality and Guidance Memo No. 04-2017 "Nutrient Monitoring and Maximum Annual Loads for VPDES Permitted Facilities on the DEQ Chesapeake Bay Program's List of Significant Discharges" and WWTP upgrade design (BNR) to meet Chesapeake Bay requirements.

D.O. (mg/l): 6.5 mg/l min, 1/day by a grab sample. Based on Stream Sanitation Analysis, DO Sag Model, WQS

Total Residual Chlorine (mg/l):
0.0080 mg/l mo. avg -0.016 mg/l daily maximum, 2/day by a grab sample. Based on WQS, WLA/WQS Model Run.

Fecal Coliform (C/NML):
126 N/CML monthly average, 1/week by a grab sample. Based on BPJ for the protection of water quality and Shellfish waters, and Guidance Memo #03-2007 "Implementation of Bacteria Standards in VPDES Permits". See memorandum (attachment 13) from Central Office (Allan Brockenbough) regarding fecal limit.

Total Recoverable Copper (ug/l):
16 ug/l mo. avg - 22 ug/l daily max, 1/week by a 24hr composite. Based on Water Quality Standards, WLA/WQS Model Run (1999)

Whole Effluent Toxicity (WET):
1.724 TUc maximum, 1/3months by a 24hr-composite. Based on WET data, Permit Regulation, WQS.

Outfalls 003 and 004

The flows through these outfalls consist of storm water not associated with an industrial activity, specifically from agricultural fields, parking lots and roof drains. **No monitoring or reporting will be required**.

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6-7

§ 432.106 Pretreatment standards for new sources (PSNS). [Reserved]

§ 432.107 Effluent limitations attainable by the application of the best control technology for conventional pollutants (BCT).

(a) Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the application of BCT: Limitations for BOD_5, fecal coliform, O&G, and TSS are the same as the corresponding limitation specified in § 432.105(a).

(b) The limitations for BOD_5 and TSS specified in paragraph (a) of this section were derived for a renderer which does not cure cattle hide. If a renderer does cure hide, the following formulas should be used to calculate BOD_5 and TSS limitations for process wastewater associated with cattle hide curing, in addition to the limitation specified in paragraph (a) of this section:

lbs BOD_5/1000 lbs RM = 7.9 × (no. of hides)/lbs RM

kg BOD_5/kkg RM = 3.6 × (no. of hides)/kg RM

lbs TSS/1000 lbs RM = 13.6 × (no. of hides)/lbs RM

kg TSS/kkg RM = 6.2 × (no. of hides)/kg RM

Subpart K—Poultry First Processing

§ 432.110 Applicability.

This part applies to discharges of process wastewater resulting from the slaughtering of poultry, further processing of poultry and rendering of material derived from slaughtered poultry. Process wastewater includes water from animal holding areas at these facilities.

§ 432.111 Special definitions.

For the purpose of this subpart: *Poultry first processing* means slaughtering of poultry and producing whole, halved, quarter or smaller meat cuts.

§ 432.112 Effluent limitations attainable by the application of the best practicable control technology currently available (BPT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart that slaughters more than 100 million pounds per year (in units of LWK) must achieve the following effluent limitations representing the application of BPT:

EFFLUENT LIMITATIONS
[BPT]

Regulated parameter	Maximum daily [1]	Maximum monthly avg. [1]
Ammonia (as N)	8.0	4.0
BOD_5	26	16
Fecal Coliform	([2])	([3])
O&G (as HEM)	14	8.0
TSS	30	20

[1] mg/L (ppm).
[2] Maximum of 400 MPN or CFU per 100 mL at any time.
[3] No maximum monthly average limitation.

§ 432.113 Effluent limitations attainable by the application of the best available technology economically achievable (BAT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart that slaughters more than 100 million pounds per year (in units of LWK) must achieve the following effluent limitations representing the application of BAT:

EFFLUENT LIMITATIONS
[BAT]

Regulated parameter	Maximum daily [1]	Maximum monthly avg. [1]
Ammonia (as N)	8.0	4.0
Total Nitrogen	147	103

[1] mg/L (ppm).

§ 432.114 Pretreatment standards for existing sources (PSES). [Reserved]

§ 432.115 New source performance standards (NSPS).

Any source that is a new source subject to this subpart must achieve the following performance standards:

(a) Facilities that slaughter no more than 100 million pounds per year (in units of LWK) must achieve the following performance standards:

6-8

PERFORMANCE STANDARDS
[NSPS]

Regulated parameter	Maximum daily [1]	Maximum monthly avg. [1]
Ammonia (as N)	8.0	4.0
BOD_5	26	16
Fecal Coliform	([2])	([3])
O&G (as HEM)	14	8.0
TSS	30	20

[1] mg/L (ppm).
[2] Maximum of 400 MPN or CFU per 100 mL at any time.
[3] No maximum monthly average limitation.

(b) Facilities that slaughter more than 100 million pounds per year (in units of LWK) must achieve the following performance standards:

PERFORMANCE STANDARDS
[NSPS]

Regulated parameter	Maximum daily [1]	Maximum monthly avg. [1]
Ammonia (as N)	8.0	4.0
BOD_5	26	16
Fecal Coliform	([2])	([3])
O&G (as HEM)	14	8.0
TSS	30	20
Total Nitrogen	147	103

[1] mg/L (ppm).
[2] Maximum of 400 MPN or CFU per 100 mL at any time.
[3] No maximum monthly average limitation.

§432.116 Pretreatment standards for new sources (PSNS). [Reserved]

§432.117 Effluent limitations attainable by the application of the best control technology for conventional pollutants (BCT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the application of BCT: Limitations for BOD_5, TSS, O&G (as HEM), and fecal coliform are the same as the corresponding limitation specified in §432.112.

Subpart L—Poultry Further Processing

§432.120 Applicability.

This part applies to discharges of process wastewater resulting from further processing of poultry.

§432.121 Special definitions. [Reserved]

§432.122 Effluent limitations attainable by the application of the best practicable control technology currently available (BPT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart that further processes more than 7 million pounds per year (in units of finished product) must achieve the following effluent limitations representing the application of BPT:

EFFLUENT LIMITATIONS
[BPT]

Regulated parameter	Maximum daily [1]	Maximum monthly avg. [1]
Ammonia (as N)	8.0	4.0
BOD_5	26	16
Fecal Coliform	([2])	([3])
O&G (as HEM)	14	8.0
TSS	30	20

[1] mg/L (ppm).
[2] Maximum of 400 MPN or CFU per 100 mL at any time.
[3] No maximum monthly average limitation.

§432.123 Effluent limitations attainable by the application of the best available technology economically achievable (BAT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart that further processes more than 7 million pounds per year (in units of finished product) must achieve the following effluent limitations representing the application of BAT:

EFFLUENT LIMITATIONS
[BAT]

Regulated parameter	Maximum daily [1]	Maximum monthly avg. [1]
Ammonia (as N)	8.0	4.0
Total Nitrogen	147	103

[1] mg/L (ppm).

§432.124 Pretreatment standards for existing sources (PSES). [Reserved]

§432.125 New source performance standards (NSPS).

Any source that is a new source subject to this subpart must achieve the following performance standards:

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INFORMATION
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§ 432.106 Pretreatment standards for new sources (PSNS). [Reserved]

§ 432.107 Effluent limitations attainable by the application of the best control technology for conventional pollutants (BCT).

(a) Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the application of BCT: Limitations for BOD_5, fecal coliform, O&G, and TSS are the same as the corresponding limitation specified in § 432.105(a).

(b) The limitations for BOD_5 and TSS specified in paragraph (a) of this section were derived for a renderer which does not cure cattle hide. If a renderer does cure hide, the following formulas should be used to calculate BOD_5 and TSS limitations for process wastewater associated with cattle hide curing, in addition to the limitation specified in paragraph (a) of this section:

lbs BOD_5/1000 lbs RM = 7.9 × (no. of hides)/lbs RM

kg BOD_5/kkg RM = 3.6 × (no. of hides)/kg RM

lbs TSS/1000 lbs RM = 13.6 × (no. of hides)/lbs RM

kg TSS/kkg RM = 6.2 × (no. of hides)/kg RM

Subpart K—Poultry First Processing

§ 432.110 Applicability.

This part applies to discharges of process wastewater resulting from the slaughtering of poultry, further processing of poultry and rendering of material derived from slaughtered poultry. Process wastewater includes water from animal holding areas at these facilities.

§ 432.111 Special definitions.

For the purpose of this subpart: *Poultry first processing* means slaughtering of poultry and producing whole, halved, quarter or smaller meat cuts.

§ 432.112 Effluent limitations attainable by the application of the best practicable control technology currently available (BPT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart that slaughters more than 100 million pounds per year (in units of LWK) must achieve the following effluent limitations representing the application of BPT:

EFFLUENT LIMITATIONS
[BPT]

Regulated parameter	Maximum daily [1]	Maximum monthly avg. [1]
Ammonia (as N)	8.0	4.0
BOD_5	26	16
Fecal Coliform	([2])	([3])
O&G (as HEM)	14	8.0
TSS	30	20

[1] mg/L (ppm).
[2] Maximum of 400 MPN or CFU per 100 mL at any time.
[3] No maximum monthly average limitation.

§ 432.113 Effluent limitations attainable by the application of the best available technology economically achievable (BAT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart that slaughters more than 100 million pounds per year (in units of LWK) must achieve the following effluent limitations representing the application of BAT:

EFFLUENT LIMITATIONS
[BAT]

Regulated parameter	Maximum daily [1]	Maximum monthly avg. [1]
Ammonia (as N)	8.0	4.0
Total Nitrogen	147	103

[1] mg/L (ppm).

§ 432.114 Pretreatment standards for existing sources (PSES). [Reserved]

§ 432.115 New source performance standards (NSPS).

Any source that is a new source subject to this subpart must achieve the following performance standards:

(a) Facilities that slaughter no more than 100 million pounds per year (in units of LWK) must achieve the following performance standards:

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PERFORMANCE STANDARDS
[NSPS]

Regulated parameter	Maximum daily [1]	Maximum monthly avg. [1]
Ammonia (as N)	8.0	4.0
BOD_5	26	16
Fecal Coliform	([2])	([3])
O&G (as HEM)	14	8.0
TSS	30	20

[1] mg/L (ppm).
[2] Maximum of 400 MPN or CFU per 100 mL at any time.
[3] No maximum monthly average limitation.

(b) Facilities that slaughter more than 100 million pounds per year (in units of LWK) must achieve the following performance standards:

PERFORMANCE STANDARDS
[NSPS]

Regulated parameter	Maximum daily [1]	Maximum monthly avg. [1]
Ammonia (as N)	8.0	4.0
BOD_5	26	16
Fecal Coliform	([2])	([3])
O&G (as HEM)	14	8.0
TSS	30	20
Total Nitrogen	147	103

[1] mg/L (ppm).
[2] Maximum of 400 MPN or CFU per 100 mL at any time.
[3] No maximum monthly average limitation.

§432.116 Pretreatment standards for new sources (PSNS). [Reserved]

§432.117 Effluent limitations attainable by the application of the best control technology for conventional pollutants (BCT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the application of BCT: Limitations for BOD_5, TSS, O&G (as HEM), and fecal coliform are the same as the corresponding limitation specified in §432.112.

Subpart L—Poultry Further Processing

§432.120 Applicability.

This part applies to discharges of process wastewater resulting from further processing of poultry.

§432.121 Special definitions. [Reserved]

§432.122 Effluent limitations attainable by the application of the best practicable control technology currently available (BPT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart that further processes more than 7 million pounds per year (in units of finished product) must achieve the following effluent limitations representing the application of BPT:

EFFLUENT LIMITATIONS
[BPT]

Regulated parameter	Maximum daily [1]	Maximum monthly avg. [1]
Ammonia (as N)	8.0	4.0
BOD_5	26	16
Fecal Coliform	([2])	([3])
O&G (as HEM)	14	8.0
TSS	30	20

[1] mg/L (ppm).
[2] Maximum of 400 MPN or CFU per 100 mL at any time.
[3] No maximum monthly average limitation.

§432.123 Effluent limitations attainable by the application of the best available technology economically achievable (BAT).

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart that further processes more than 7 million pounds per year (in units of finished product) must achieve the following effluent limitations representing the application of BAT:

EFFLUENT LIMITATIONS
[BAT]

Regulated parameter	Maximum daily [1]	Maximum monthly avg. [1]
Ammonia (as N)	8.0	4.0
Total Nitrogen	147	103

[1] mg/L (ppm).

§432.124 Pretreatment standards for existing sources (PSES). [Reserved]

§432.125 New source performance standards (NSPS).

Any source that is a new source subject to this subpart must achieve the following performance standards:

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Thompson, Debra (DEQ)

From: Brockenbrough, Allan (DEQ)
Sent: Tuesday, August 17, 2010 11:58 AM
To: Thompson, Debra (DEQ)
Cc: Daub, Elleanore (DEQ); Britt, Kristie (DEQ); Everton, Roger (DEQ)
Subject: RE: Tyson Water Quality and TMDL Information

Debra-

I spoke with Fred and we have no problem characterizing the limit of 126 #/100 ml as being consistent with Tyson's WLA under the TMDL. Forget about my comments on the calculation. I was looking at figures on the wrong page of the TMDL. 4.8×10^9 is the correct WLA.

Give me a call if you have any questions.

Allan

From: Thompson, Debra (DEQ)
Sent: Tuesday, August 17, 2010 10:17 AM
To: Brockenbrough, Allan (DEQ)
Cc: Daub, Elleanore (DEQ)
Subject: Tyson Water Quality and TMDL Information

Allan, Attached is information regarding Fecal Coliform TMDL and water quality assessment for Sandy Bottom Branch presented to Permits for consideration during reissuance process.

Thought this info may be helpful for our conf call this morning, Debbie

Debra L. Thompson

Environmental Engineer Senior

VA Department of Environmental Quality

5636 Southern Boulevard

Virginia Beach, VA 23462

(757) 518-2162 phone

ANTIDEGRADATION CALCULATIONS/BASELINES

All values in ug/l unless otherwise noted.

PARAMETER	FRESHWATER CRITERIA (FW)		PUBLIC WATER SUPPLY CRITERIA (PWS)	OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC				ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
METALS														
Antimony			14	4300										
Arsenic			50											
Arsenic III	360	190												
Barium			2000											
Cadmium	3.9[1]	1.1[1]												
Chromium III	1700[1]	210[1]												
Chromium VI	16	11												
Copper	18[1]	12[1]	1300						13	9.0				
Iron			300											
Lead	120[1]	14[1]	15											
Manganese			50											
Mercury	2.4	.012	.052	.053										
Nickel	180[1]	20[1]	610	4600										
Selenium	20	5	170	11000										
Silver	4.1[1]													
Zinc	120[1]	110[1]	5000											
PESTICIDES/PCB'S														
Aldrin	3	.3	.0013	.0014										
Chlordane	2.4	.0043	.0058	.0059										

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ANTIDEGRADATION CALCULATIONS/BASELINES

All values in ug/l unless otherwise noted.

PARAMETER	FRESHWATER CRITERIA (FW)		PUBLIC WATER SUPPLY CRITERIA (PWS)	OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC				ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
Chlorpyrifos (Dursban)	.083	.041												
DDD			.0083	.0084										
DDE			.0059	.0059										
DDT	1.1	.001	.0059	.0059										
Demeton		.1												
2,4-dichloro-phenoxy acetic acid (2,4-D)			71											
Dieldrin	2.5	.0019	.0014	.0014										
Endosulfan	.22	.056	110	240										
Endrin	.18	.0023	.76	.81										
Guthion		.01												
Heptachlor	.52	.0038	.0021	.0021										
Hexachloro-cyclohexane (Lindane)	2	.08	7	25										
Kepone		0												
Malathion		.1												
Methoxychlor		.03	40											
Mirex		0												
Parathion	.065	.013												
PCB-1242		.014	.00044	.00045										
PCB-1254		.014	.00044	.00045										
PCB-1221		.014	.00044	.00045										

ANTIDEGRADATION CALCULATIONS/BASELINES

All values in ug/l unless otherwise noted.

PARAMETER	FRESHWATER CRITERIA (FW)		PUBLIC WATER SUPPLY CRITERIA (PWS)	OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC				ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
PCB-1232		.014	.00044	.00045										
PCB-1248		.014	.00044	.00045										
PCB-1260		.014	.00044	.00045										
PCB-1016		.014	.00044	.00045										
Toxaphene	.73	.0002	.0073	.0075										
2-(2,4,5-Trichlor-phenoxy) propionic acid (Silvex)			50											
BASE NEUTRAL EXTRACTABLES														
Acenaphthene			1200	2700										
Anthracene			9600	110000										
Benzo(a) anthracene			.044	.49										
Benzo(b) fluoranthene			.044	.49										
Benzo(k) fluoranthene			.044	.49										
Benzo(a) pyrene			.044	.49										
Butyl benzyl phthalate			3000	5200										
Chrysene			.044	.49										
Dibenz(a,h) anthracene			.044	.49										
Dibutyl phthalate			2700	12000										

ANTIDEGRADATION CALCULATIONS/BASELINES

All values in ug/l unless otherwise noted.

PARAMETER	FRESHWATER CRITERIA (FW)		PUBLIC WATER SUPPLY CRITERIA (PWS)	OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC				ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
1,2-Dichloro-benzene			2700	17000										
1,3-Dichloro-benzene			400	2600										
1,4-Dichloro-benzene			400	2600										
Diethyl phthalate			23000	120000										
Di-2-Ethylhexyl phthalate			18	59										
2,4-Dinitro-toluene			1.1	91										
Fluoranthene			300	370										
Fluorene			1300	14000										
Indeno (1,2,3-cd) pyrene			.044	.49										
Isophorone			6900	490000										
Nitrobenzene			17	1900										
Pyrene			960	11000										
1,2,4 Trichloro-benzene			260	950										
VOLATILES														
Benzene			12	710										
Bromoform			44	3600										

ANTIDEGRADATION CALCULATIONS/BASELINES

All values in ug/l unless otherwise noted.

PARAMETER	FRESHWATER CRITERIA (FW)		PUBLIC WATER SUPPLY CRITERIA (PWS)	OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC				ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
Carbon Tetrachloride			2.5	45										
Chloro-dibromo-methane			690	57000										
Chloroform			57	4700										
Dichloro-methane			47	16000										
Dichloro-bromomethane			5.6	460										
1,2-Dichloro-ethane			3.8	990										
1,1-Dichloro-ethylene			310	17000										
Ethylbenzene			3100	29000										
Monochloro-benzene			680	21000										
Tetrachloro-ethylene			320	3500										
Toluene			6800	200000										
Trichloro-ethylene			27	810										
Vinyl Chloride			20	5300										
ACIDS EXTRACTABLES														
2-Chloro-phenol			120	400										
2,4 Dichloro-phenol			93	790										

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ANTIDEGRADATION CALCULATIONS/BASELINES

All values in ug/l unless otherwise noted.

PARAMETER	FRESHWATER CRITERIA (FW)		PUBLIC WATER SUPPLY CRITERIA (PWS)	OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC				ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
2,4 Dimethyl-phenol			540	2300										
Pentachloro-phenol	**	**	2.8	82										
Phenol			21000	4600000										
2,4,6-Trichloro-phenol			21	65										
MISCELLANEOUS														
Ammonia (as NH3-N)	***	***							11	1.6				
Chlorides	860000	230000	250000											
Chlorine, Total Residual	19	11												
Cyanide	22	5.2	700	215000										
Dioxin				1.2(2)										
Fecal Coliform (N/CML)														
Foaming Agents (as MBAS)			500											
Hydrogen Sulfide		2												
Nitrate			10000											
Sulfate			250000											
Total Dissolved Solids			500000											

ANTIDEGRADATION CALCULATIONS/BASELINES

All values in ug/l unless otherwise noted.

PARAMETER	FRESHWATER CRITERIA (FW)		PUBLIC WATER SUPPLY CRITERIA (PWS)	OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC				ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
Tributyltin	.46	.026												

* -- The expected value is calculated by the WLA computer model.

** -- Pentachlorophenol Acute Criterion = exp[1.005(pH)-4.83)]

Chronic Criterion = exp[1.005(pH)-5.29)]

*** -- See ammonia tables in the Water Quality Standards.

(1) --Values noted were based on a hardness of 100 and a water effect ratio (WER) of 1. If hardness data are available, use the following:

Acute Criterion = WER $\exp\{m_a[\ln(\text{hardness})]+b_a\}$

Chronic Criterion = WER $\exp\{m_c[\ln(\text{hardness})]+b_c\}$

	m_a	b_a	m_c	b_c
Cadmium	1.128	-3.828	.7852	-3.49
Chromium III	.8190	3.688	.819	1.561
Copper	.9422	-1.464	.8545	-1.465
Lead	1.273	-1.084	1.273	-3.259
Nickel	.846	1.312	.846	-.884
Silver	1.72	-6.25	-----	-----
Zinc	.8473	.8604	.8473	.7614

To maintain consistency when using these equations to calculate criteria, intermediate calculations should be rounded to four significant digits and the final criterion's value should be rounded to two significant digits.

(2) -- For dioxin, see 9 VAC 25-260-150 of the Water Quality Standards.

FRESHWATER
WATER QUALITY CRITERIA / WASTELOAD ALLOCATION ANALYSIS

Facility Name: Tyson Farms, Inc

Permit No.: VA0004049

Receiving Stream: Sandy Bottom Branch

Version: OWP Guidance Memo 00-2011 (8/24/00)

Stream Information

Mean Hardness (as CaCO3) =	100	mg/L
90% Temperature (Annual) =	24	deg C
90% Temperature (Wet season) =	12	deg C
90% Maximum pH =	7.84	SU
10% Maximum pH =	8	SU
Tier Designation (1 or 2) =	1	
Public Water Supply (PWS) Y/N? =	n	
Trout Present Y/N? =	n	
Early Life Stages Present Y/N? =	y	

Stream Flows

1Q10 (Annual) =	0	MGD
7Q10 (Annual) =	0	MGD
30Q10 (Annual) =	0	MGD
1Q10 (Wet season) =	0	MGD
30Q10 (Wet season)	0	MGD
30Q5 =	0	MGD
Harmonic Mean =	0	MGD

Mixing Information

Annual - 1Q10 Mix =	0	%
- 7Q10 Mix =	100	%
- 30Q10 Mix =	100	%
Wet Season - 1Q10 Mix =	100	%
- 30Q10 Mix =	100	%

Effluent Information

Mean Hardness (as CaCO3) =	100	mg/L
90% Temp (Annual) =	24	deg C
90% Temp (Wet season) =	12	deg C
90% Maximum pH =	7.84	SU
10% Maximum pH =	8	SU
Discharge Flow =	0.98	MGD

Parameter	Background	Water Quality Criteria				Wasteload Allocations				Antidegradation Baseline				Antidegradation Allocations				Most Limiting Allocations			
(ug/l unless noted)	Conc.	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH
Acenapthene	5	--	--	na	9.9E+02	--	--	na	9.9E+02	--	--	--	--	--	--	--	--	--	--	na	9.9E+02
Acrolein	0	--	--	na	9.3E+00	--	--	na	9.3E+00	--	--	--	--	--	--	--	--	--	--	na	9.3E+00
Acrylonitrile[C]	0	--	--	na	2.5E+00	--	--	na	2.5E+00	--	--	--	--	--	--	--	--	--	--	na	2.5E+00
Aldrin [C]	0	3.0E+00	--	na	5.0E-04	3.0E+00	--	na	5.0E-04	--	--	--	--	--	--	--	--	3.0E+00	--	na	5.0E-04
Ammonia-N (mg/l) (Yearly)	0	1.13E+01	1.64E+00	na	--	1.1E+01	1.6E+00	na	--	--	--	--	--	--	--	--	--	1.1E+01	1.6E+00	na	--
Ammonia-N (mg/l) (High Flow)	0	1.13E+01	3.03E+00	na	--	1.1E+01	3.0E+00	na	--	--	--	--	--	--	--	--	--	1.1E+01	3.0E+00	na	--
Anthracene	0	--	--	na	4.0E+04	--	--	na	4.0E+04	--	--	--	--	--	--	--	--	--	--	na	4.0E+04
Antimony	0	--	--	na	6.4E+02	--	--	na	6.4E+02	--	--	--	--	--	--	--	--	--	--	na	6.4E+02
Arsenic	0	3.4E+02	1.5E+02	na	--	3.4E+02	1.5E+02	na	--	--	--	--	--	--	--	--	--	3.4E+02	1.5E+02	na	--
Barium	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Benzene [C]	0	--	--	na	5.1E+02	--	--	na	5.1E+02	--	--	--	--	--	--	--	--	--	--	na	5.1E+02
Benzidine[C]	0	--	--	na	2.0E-03	--	--	na	2.0E-03	--	--	--	--	--	--	--	--	--	--	na	2.0E-03
Benzo (a) anthracene [C]	0	--	--	na	1.8E-01	--	--	na	1.8E-01	--	--	--	--	--	--	--	--	--	--	na	1.8E-01
Benzo (b) fluoranthene [C]	0	--	--	na	1.8E-01	--	--	na	1.8E-01	--	--	--	--	--	--	--	--	--	--	na	1.8E-01
Benzo (k) fluoranthene [C]	0	--	--	na	1.8E-01	--	--	na	1.8E-01	--	--	--	--	--	--	--	--	--	--	na	1.8E-01
Benzo (a) pyrene [C]	0	--	--	na	1.8E-01	--	--	na	1.8E-01	--	--	--	--	--	--	--	--	--	--	na	1.8E-01
Bis2-Chloroethyl Ether [C]	0	--	--	na	5.3E+00	--	--	na	5.3E+00	--	--	--	--	--	--	--	--	--	--	na	5.3E+00
Bis2-Chloroisopropyl Ether	0	--	--	na	6.5E+04	--	--	na	6.5E+04	--	--	--	--	--	--	--	--	--	--	na	6.5E+04
Bis 2-Ethylhexyl Phthalate [C]	0	--	--	na	2.2E+01	--	--	na	2.2E+01	--	--	--	--	--	--	--	--	--	--	na	2.2E+01
Bromoform [C]	0	--	--	na	1.4E+03	--	--	na	1.4E+03	--	--	--	--	--	--	--	--	--	--	na	1.4E+03
Butylbenzylphthalate	0	--	--	na	1.9E+03	--	--	na	1.9E+03	--	--	--	--	--	--	--	--	--	--	na	1.9E+03
Cadmium	0	3.9E+00	1.1E+00	na	--	3.9E+00	1.1E+00	na	--	--	--	--	--	--	--	--	--	3.9E+00	1.1E+00	na	--
Carbon Tetrachloride [C]	0	--	--	na	1.6E+01	--	--	na	1.6E+01	--	--	--	--	--	--	--	--	--	--	na	1.6E+01
Chlordane [C]	0	2.4E+00	4.3E-03	na	8.1E-03	2.4E+00	4.3E-03	na	8.1E-03	--	--	--	--	--	--	--	--	2.4E+00	4.3E-03	na	8.1E-03
Chloride	0	8.6E+05	2.3E+05	na	--	8.6E+05	2.3E+05	na	--	--	--	--	--	--	--	--	--	8.6E+05	2.3E+05	na	--
TRC	0	1.9E+01	1.1E+01	na	--	1.9E+01	1.1E+01	na	--	--	--	--	--	--	--	--	--	1.9E+01	1.1E+01	na	--
Chlorobenzene	0	--	--	na	1.6E+03	--	--	na	1.6E+03	--	--	--	--	--	--	--	--	--	--	na	1.6E+03

Parameter	Background	Water Quality Criteria				Wasteload Allocations				Antidegradation Baseline				Antidegradation Allocations				Most Limiting Allocations			
(ug/l unless noted)	Conc.	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH
Chlorodibromomethane[C]	0	--	--	na	1.3E+02	--	--	na	1.3E+02	--	--	--	--	--	--	--	--	--	--	na	1.3E+02
Chloroform	0	--	--	na	1.1E+04	--	--	na	1.1E+04	--	--	--	--	--	--	--	--	--	--	na	1.1E+04
2-Chloronaphthalene	0	--	--	na	1.6E+03	--	--	na	1.6E+03	--	--	--	--	--	--	--	--	--	--	na	1.6E+03
2-Chlorophenol	0	--	--	na	1.5E+02	--	--	na	1.5E+02	--	--	--	--	--	--	--	--	--	--	na	1.5E+02
Chlorpyrifos	0	8.3E-02	4.1E-02	na	--	8.3E-02	4.1E-02	na	--	--	--	--	--	--	--	--	--	8.3E-02	4.1E-02	na	--
Chromium III	0	5.7E+02	7.4E+01	na	--	5.7E+02	7.4E+01	na	--	--	--	--	--	--	--	--	--	5.7E+02	7.4E+01	na	--
Chromium VI	0	1.6E+01	1.1E+01	na	--	1.6E+01	1.1E+01	na	--	--	--	--	--	--	--	--	--	1.6E+01	1.1E+01	na	--
Chromium, Total	0	--	--	1.0E+02	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Chrysene [C]	0	--	--	na	1.8E-02	--	--	na	1.8E-02	--	--	--	--	--	--	--	--	--	--	na	1.8E-02
Copper	0	1.3E+01	9.0E+00	na	--	1.3E+01	9.0E+00	na	--	--	--	--	--	--	--	--	--	1.3E+01	9.0E+00	na	--
Cyanide, Free	0	2.2E+01	5.2E+00	na	1.6E+04	2.2E+01	5.2E+00	na	1.6E+04	--	--	--	--	--	--	--	--	2.2E+01	5.2E+00	na	1.6E+04
DDD [C]	0	--	--	na	3.1E-03	--	--	na	3.1E-03	--	--	--	--	--	--	--	--	--	--	na	3.1E-03
DDE [C]	0	--	--	na	2.2E-03	--	--	na	2.2E-03	--	--	--	--	--	--	--	--	--	--	na	2.2E-03
DDT [C]	0	1.1E+00	1.0E-03	na	2.2E-03	1.1E+00	1.0E-03	na	2.2E-03	--	--	--	--	--	--	--	--	1.1E+00	1.0E-03	na	2.2E-03
Demeton	0	--	1.0E-01	na	--	--	1.0E-01	na	--	--	--	--	--	--	--	--	--	--	1.0E-01	na	--
Diazinon	0	1.7E-01	1.7E-01	na	--	1.7E-01	1.7E-01	na	--	--	--	--	--	--	--	--	--	1.7E-01	1.7E-01	na	--
Dibenz(a,h)anthracene [C]	0	--	--	na	1.8E-01	--	--	na	1.8E-01	--	--	--	--	--	--	--	--	--	--	na	1.8E-01
1,2-Dichlorobenzene	0	--	--	na	1.3E+03	--	--	na	1.3E+03	--	--	--	--	--	--	--	--	--	--	na	1.3E+03
1,3-Dichlorobenzene	0	--	--	na	9.6E+02	--	--	na	9.6E+02	--	--	--	--	--	--	--	--	--	--	na	9.6E+02
1,4-Dichlorobenzene	0	--	--	na	1.9E+02	--	--	na	1.9E+02	--	--	--	--	--	--	--	--	--	--	na	1.9E+02
3,3-Dichlorobenzidine[C]	0	--	--	na	2.8E-01	--	--	na	2.8E-01	--	--	--	--	--	--	--	--	--	--	na	2.8E-01
Dichlorobromomethane [C]	0	--	--	na	1.7E+02	--	--	na	1.7E+02	--	--	--	--	--	--	--	--	--	--	na	1.7E+02
1,2-Dichloroethane [C]	0	--	--	na	3.7E+02	--	--	na	3.7E+02	--	--	--	--	--	--	--	--	--	--	na	3.7E+02
1,1-Dichloroethylene	0	--	--	na	7.1E+03	--	--	na	7.1E+03	--	--	--	--	--	--	--	--	--	--	na	7.1E+03
1,2-trans-dichloroethylene	0	--	--	na	1.0E+04	--	--	na	1.0E+04	--	--	--	--	--	--	--	--	--	--	na	1.0E+04
2,4-Dichlorophenol	0	--	--	na	2.9E+02	--	--	na	2.9E+02	--	--	--	--	--	--	--	--	--	--	na	2.9E+02
2,4-Dichlorophenoxy acetic acid (2,4-D)	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
1,2-Dichloropropane[C]	0	--	--	na	1.5E+02	--	--	na	1.5E+02	--	--	--	--	--	--	--	--	--	--	na	1.5E+02
1,3-Dichloropropene [C]	0	--	--	na	2.1E+02	--	--	na	2.1E+02	--	--	--	--	--	--	--	--	--	--	na	2.1E+02
Dieldrin [C]	0	2.4E-01	5.6E-02	na	5.4E-04	2.4E-01	5.6E-02	na	5.4E-04	--	--	--	--	--	--	--	--	2.4E-01	5.6E-02	na	5.4E-04
Diethyl Phthalate	0	--	--	na	4.4E+04	--	--	na	4.4E+04	--	--	--	--	--	--	--	--	--	--	na	4.4E+04
2,4-Dimethylphenol	0	--	--	na	8.5E+02	--	--	na	8.5E+02	--	--	--	--	--	--	--	--	--	--	na	8.5E+02
Dimethyl Phthalate	0	--	--	na	1.1E+06	--	--	na	1.1E+06	--	--	--	--	--	--	--	--	--	--	na	1.1E+06
Di-n-Butyl Phthalate	0	--	--	na	4.5E+03	--	--	na	4.5E+03	--	--	--	--	--	--	--	--	--	--	na	4.5E+03
2,4 Dinitrophenol	0	--	--	na	5.3E+03	--	--	na	5.3E+03	--	--	--	--	--	--	--	--	--	--	na	5.3E+03
2-Methyl-4,6-Dinitrophenol	0	--	--	na	2.8E+02	--	--	na	2.8E+02	--	--	--	--	--	--	--	--	--	--	na	2.8E+02
2,4-Dinitrotoluene [C]	0	--	--	na	3.4E+01	--	--	na	3.4E+01	--	--	--	--	--	--	--	--	--	--	na	3.4E+01
Dioxin 2,3,7,8-tetrachlorodibenzo-p-dioxin	0	--	--	na	5.1E-08	--	--	na	5.1E-08	--	--	--	--	--	--	--	--	--	--	na	5.1E-08
1,2-Diphenylhydrazine[C]	0	--	--	na	2.0E+00	--	--	na	2.0E+00	--	--	--	--	--	--	--	--	--	--	na	2.0E+00
Alpha-Endosulfan	0	2.2E-01	5.6E-02	na	8.9E+01	2.2E-01	5.6E-02	na	8.9E+01	--	--	--	--	--	--	--	--	2.2E-01	5.6E-02	na	8.9E+01
Beta-Endosulfan	0	2.2E-01	5.6E-02	na	8.9E+01	2.2E-01	5.6E-02	na	8.9E+01	--	--	--	--	--	--	--	--	2.2E-01	5.6E-02	na	8.9E+01
Alpha + Beta Endosulfan	0	2.2E-01	5.6E-02	--	--	2.2E-01	5.6E-02	--	--	--	--	--	--	--	--	--	--	2.2E-01	5.6E-02	--	--
Endosulfan Sulfate	0	--	--	na	8.9E+01	--	--	na	8.9E+01	--	--	--	--	--	--	--	--	--	--	na	8.9E+01
Endrin	0	8.6E-02	3.6E-02	na	6.0E-02	8.6E-02	3.6E-02	na	6.0E-02	--	--	--	--	--	--	--	--	8.6E-02	3.6E-02	na	6.0E-02
Endrin Aldehyde	0	--	--	na	3.0E-01	--	--	na	3.0E-01	--	--	--	--	--	--	--	--	--	--	na	3.0E-01

Parameter	Background	Water Quality Criteria				Wasteload Allocations				Antidegradation Baseline				Antidegradation Allocations				**Most Limiting Allocations**			
(ug/l unless noted)	Conc.	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	**Acute**	**Chronic**	**HH (PWS)**	**HH**
Ethylbenzene	0	--	--	na	2.1E+03	--	--	na	2.1E+03	--	--	--	--	--	--	--	--	--	--	na	2.1E+03
Fluoranthene	0	--	--	na	1.4E+02	--	--	na	1.4E+02	--	--	--	--	--	--	--	--	--	--	na	1.4E+02
Fluorene	0	--	--	na	5.3E+03	--	--	na	5.3E+03	--	--	--	--	--	--	--	--	--	--	na	5.3E+03
Foaming Agents	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Guthion	0	--	1.0E-02	na	--	--	1.0E-02	na	--	--	--	--	--	--	--	--	--	--	1.0E-02	na	--
Heptachlor [c]	0	5.2E-01	3.8E-03	na	7.9E-04	5.2E-01	3.8E-03	na	7.9E-04	--	--	--	--	--	--	--	--	5.2E-01	3.8E-03	na	7.9E-04
Heptachlor Epoxide[c]	0	5.2E-01	3.8E-03	na	3.9E-04	5.2E-01	3.8E-03	na	3.9E-04	--	--	--	--	--	--	--	--	5.2E-01	3.8E-03	na	3.9E-04
Hexachlorobenzene[c]	0	--	--	na	2.9E-03	--	--	na	2.9E-03	--	--	--	--	--	--	--	--	--	--	na	2.9E-03
Hexachlorobutadiene[c]	0	--	--	na	1.8E+02	--	--	na	1.8E+02	--	--	--	--	--	--	--	--	--	--	na	1.8E+02
Hexachlorocyclohexane Alpha-BHC[c]	0	--	--	na	4.9E-02	--	--	na	4.9E-02	--	--	--	--	--	--	--	--	--	--	na	4.9E-02
Hexachlorocyclohexane Beta-BHC[c]	0	--	--	na	1.7E-01	--	--	na	1.7E-01	--	--	--	--	--	--	--	--	--	--	na	1.7E-01
Hexachlorocyclohexane Gamma-BHC[c] (Lindane)	0	9.5E-01	na	na	1.8E+00	9.5E-01	--	na	1.8E+00	--	--	--	--	--	--	--	--	9.5E-01	--	na	1.8E+00
Hexachlorocyclopentadiene	0	--	--	na	1.1E+03	--	--	na	1.1E+03	--	--	--	--	--	--	--	--	--	--	na	1.1E+03
Hexachloroethane[c]	0	--	--	na	3.3E+01	--	--	na	3.3E+01	--	--	--	--	--	--	--	--	--	--	na	3.3E+01
Hydrogen Sulfide	0	--	2.0E+00	na	--	--	2.0E+00	na	--	--	--	--	--	--	--	--	--	--	2.0E+00	na	--
Indeno (1,2,3-cd) pyrene [c]	0	--	--	na	1.8E-01	--	--	na	1.8E-01	--	--	--	--	--	--	--	--	--	--	na	1.8E-01
Iron	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Isophorone[c]	0	--	--	na	9.6E+03	--	--	na	9.6E+03	--	--	--	--	--	--	--	--	--	--	na	9.6E+03
Kepone	0	--	0.0E+00	na	--	--	0.0E+00	na	--	--	--	--	--	--	--	--	--	--	0.0E+00	na	--
Lead	0	1.2E+02	1.4E+01	na	--	1.2E+02	1.4E+01	na	--	--	--	--	--	--	--	--	--	1.2E+02	1.4E+01	na	--
Malathion	0	--	1.0E-01	na	--	--	1.0E-01	na	--	--	--	--	--	--	--	--	--	--	1.0E-01	na	--
Manganese	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Mercury	0	1.4E+00	7.7E-01	--	--	1.4E+00	7.7E-01	--	--	--	--	--	--	--	--	--	--	1.4E+00	7.7E-01	--	--
Methyl Bromide	0	--	--	na	1.5E+03	--	--	na	1.5E+03	--	--	--	--	--	--	--	--	--	--	na	1.5E+03
Methylene Chloride [c]	0	--	--	na	5.9E+03	--	--	na	5.9E+03	--	--	--	--	--	--	--	--	--	--	na	5.9E+03
Methoxychlor	0	--	3.0E-02	na	--	--	3.0E-02	na	--	--	--	--	--	--	--	--	--	--	3.0E-02	na	--
Mirex	0	--	0.0E+00	na	--	--	0.0E+00	na	--	--	--	--	--	--	--	--	--	--	0.0E+00	na	--
Nickel	0	1.8E+02	2.0E+01	na	4.6E+03	1.8E+02	2.0E+01	na	4.6E+03	--	--	--	--	--	--	--	--	1.8E+02	2.0E+01	na	4.6E+03
Nitrate (as N)	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Nitrobenzene	0	--	--	na	6.9E+02	--	--	na	6.9E+02	--	--	--	--	--	--	--	--	--	--	na	6.9E+02
N-Nitrosodimethylamine[c]	0	--	--	na	3.0E+01	--	--	na	3.0E+01	--	--	--	--	--	--	--	--	--	--	na	3.0E+01
N-Nitrosodiphenylamine[c]	0	--	--	na	6.0E+01	--	--	na	6.0E+01	--	--	--	--	--	--	--	--	--	--	na	6.0E+01
N-Nitrosodi-n-propylamine[c]	0	--	--	na	5.1E+00	--	--	na	5.1E+00	--	--	--	--	--	--	--	--	--	--	na	5.1E+00
Nonylphenol	0	2.8E+01	6.6E+00	--	--	2.8E+01	6.6E+00	na	--	--	--	--	--	--	--	--	--	2.8E+01	6.6E+00	na	--
Parathion	0	6.5E-02	1.3E-02	na	--	6.5E-02	1.3E-02	na	--	--	--	--	--	--	--	--	--	6.5E-02	1.3E-02	na	--
PCB Total[c]	0	--	1.4E-02	na	6.4E-04	--	1.4E-02	na	6.4E-04	--	--	--	--	--	--	--	--	--	1.4E-02	na	6.4E-04
Pentachlorophenol [c]	0	2.4E+01	1.8E+01	na	3.0E+01	2.4E+01	1.8E+01	na	3.0E+01	--	--	--	--	--	--	--	--	2.4E+01	1.8E+01	na	3.0E+01
Phenol	0	--	--	na	8.6E+05	--	--	na	8.6E+05	--	--	--	--	--	--	--	--	--	--	na	8.6E+05
Pyrene	0	--	--	na	4.0E+03	--	--	na	4.0E+03	--	--	--	--	--	--	--	--	--	--	na	4.0E+03
Radionuclides	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Gross Alpha Activity (pCi/L)	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Beta and Photon Activity (mrem/yr)	0	--	--	na	4.0E+00	--	--	na	4.0E+00	--	--	--	--	--	--	--	--	--	--	na	4.0E+00
Radium 226 + 228 (pCi/L)	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--
Uranium (ug/l)	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	--	--	na	--

Parameter	Background	Water Quality Criteria				Wasteload Allocations				Antidegradation Baseline				Antidegradation Allocations				**Most Limiting Allocations**			
(ug/l unless noted)	Conc.	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	Acute	Chronic	HH (PWS)	HH	**Acute**	**Chronic**	**HH (PWS)**	**HH**
Selenium, Total Recoverable	0	2.0E+01	5.0E+00	na	4.2E+03	2.0E+01	5.0E+00	na	4.2E+03	--	--	--	--	--	--	--	--	**2.0E+01**	**5.0E+00**	**na**	**4.2E+03**
Silver	0	3.4E+00	--	na	--	3.4E+00	--	na	--	--	--	--	--	--	--	--	--	**3.4E+00**	**--**	**na**	**--**
Sulfate	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	**--**	**--**	**na**	**--**
1,1,2,2-Tetrachloroethane[C]	0	--	--	na	4.0E+01	--	--	na	4.0E+01	--	--	--	--	--	--	--	--	**--**	**--**	**na**	**4.0E+01**
Tetrachloroethylene[C]	0	--	--	na	3.3E+01	--	--	na	3.3E+01	--	--	--	--	--	--	--	--	**--**	**--**	**na**	**3.3E+01**
Thallium	0	--	--	na	4.7E-01	--	--	na	4.7E-01	--	--	--	--	--	--	--	--	**--**	**--**	**na**	**4.7E-01**
Toluene	0	--	--	na	6.0E+03	--	--	na	6.0E+03	--	--	--	--	--	--	--	--	**--**	**--**	**na**	**6.0E+03**
Total dissolved solids	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	**--**	**--**	**na**	**--**
Toxaphene [C]	0	7.3E-01	2.0E-04	na	2.8E-03	7.3E-01	2.0E-04	na	2.8E-03	--	--	--	--	--	--	--	--	**7.3E-01**	**2.0E-04**	**na**	**2.8E-03**
Tributyltin	0	4.6E-01	7.2E-02	na	--	4.6E-01	7.2E-02	na	--	--	--	--	--	--	--	--	--	**4.6E-01**	**7.2E-02**	**na**	**--**
1,2,4-Trichlorobenzene	0	--	--	na	7.0E+01	--	--	na	7.0E+01	--	--	--	--	--	--	--	--	**--**	**--**	**na**	**7.0E+01**
1,1,2-Trichloroethane[C]	0	--	--	na	1.6E+02	--	--	na	1.6E+02	--	--	--	--	--	--	--	--	**--**	**--**	**na**	**1.6E+02**
Trichloroethylene [C]	0	--	--	na	3.0E+02	--	--	na	3.0E+02	--	--	--	--	--	--	--	--	**--**	**--**	**na**	**3.0E+02**
2,4,6-Trichlorophenol [C]	0	--	--	na	2.4E+01	--	--	na	2.4E+01	--	--	--	--	--	--	--	--	**--**	**--**	**na**	**2.4E+01**
2-(2,4,5-Trichlorophenoxy) propionic acid (Silvex)	0	--	--	na	--	--	--	na	--	--	--	--	--	--	--	--	--	**--**	**--**	**na**	**--**
Vinyl Chloride[C]	0	--	--	na	2.4E+01	--	--	na	2.4E+01	--	--	--	--	--	--	--	--	**--**	**--**	**na**	**2.4E+01**
Zinc	0	1.2E+02	1.2E+02	na	2.6E+04	1.2E+02	1.2E+02	na	2.6E+04	--	--	--	--	--	--	--	--	**1.2E+02**	**1.2E+02**	**na**	**2.6E+04**

Notes:

1. All concentrations expressed as micrograms/liter (ug/l), unless noted otherwise
2. Discharge flow is highest monthly average or Form 2C maximum for Industries and design flow for Municipals
3. Metals measured as Dissolved, unless specified otherwise
4. "C" indicates a carcinogenic parameter
5. Regular WLAs are mass balances (minus background concentration) using the % of stream flow entered above under Mixing Information. Antidegradation WLAs are based upon a complete mix.
6. Antideg. Baseline = (0.25(WQC - background conc.) + background conc.) for acute and chronic
   = (0.1(WQC - background conc.) + background conc.) for human health
7. WLAs established at the following stream flows: 1Q10 for Acute, 30Q10 for Chronic Ammonia, 7Q10 for Other Chronic, 30Q5 for Non-carcinogens and Harmonic Mean for Carcinogens. To apply mixing ratios from a model set the stream flow equal to (mixing ratio - 1), effluent flow equal to 1 and 100% mix.

Metal	Target Value (SSTV)
Antimony	6.4E+02
Arsenic	9.0E+01
Barium	na
Cadmium	6.8E-01
Chromium III	4.4E+01
Chromium VI	6.4E+00
Copper	5.4E+00
Iron	na
Lead	8.1E+00
Manganese	na
Mercury	4.6E-01
Nickel	1.2E+01
Selenium	3.0E+00
Silver	1.4E+00
Zinc	4.7E+01

Note: do not use QL's lower than the minimum QL's provided in agency guidance

0.980 MGD DISCHARGE FLOW - STREAM MIX PER "Mix.exe"

Discharge Flow Used for WQS-WLA Calculations (MGI 0.980

	Stream Flows Allocated to Mix (MGD)		Total Mix Flows Stream + Discharge (MGD)	
	Dry Season	Wet Season	Dry Season	Wet Season
1Q10	0.000	0.000	0.980	0.980
7Q10	0.000	N/A	0.980	N/A
30Q10	0.000	0.000	0.980	0.980
30Q5	0.000	N/A	0.980	N/A
Harm. Mean	0.000	N/A	0.980	N/A
Annual Avg.	0.000	N/A	0.980	N/A

Stream/Discharge Mix Values

	Dry Season	Wet Season
1Q10 90th% Temp. Mix (deg C)	24.000	12.000
30Q10 90th% Temp. Mix (deg C)	24.000	12.000
1Q10 90th% pH Mix (SU)	7.840	7.840
30Q10 90th% pH Mix (SU)	7.840	7.840
1Q10 10th% pH Mix (SU)	8.000	N/A
7Q10 10th% pH Mix (SU)	8.000	N/A

	Calculated	Formula Inputs
1Q10 Hardness (mg/L as CaCO3)	100.0	100.0
7Q10 Hardness (mg/L as CaCO3)	100.0	100.0

Ammonia - Dry Season - Acute

90th Percentile pH (SU)	7.840
(7.204 - pH)	-0.636
(pH - 7.204)	0.636
Trout Present Criterion (mg N/l	7.547
Trout Absent Criterion (mg N/L	11.301
Trout Present?	n
Effective Criterion (mg N/L)	11.301

Ammonia - Dry Season - Chronic

90th Percentile Temp. (deg C)	24.000
90th Percentile pH (SU)	7.840
MIN	1.547
MAX	24.000
(7.688 - pH)	-0.152
(pH - 7.688)	0.152
Early LS Present Criterion (mg N	1.642
Early LS Absent Criterion (mg N/	1.642
Early Life Stages Present?	y
Effective Criterion (mg N/L)	1.642

Ammonia - Wet Season - Acute

90th Percentile pH (SU)	7.840
(7.204 - pH)	-0.636
(pH - 7.204)	0.636
Trout Present Criterion (mg N/l	7.547
Trout Absent Criterion (mg N/L	11.301
Trout Present?	n
Effective Criterion (mg N/L)	11.301

Ammonia - Wet Season - Chronic

90th Percentile Temp. (deg C)	12.000
90th Percentile pH (SU)	7.840
MIN	2.850
MAX	12.000
(7.688 - pH)	-0.152
(pH - 7.688)	0.152
Early LS Present Criterion (mg N	3.027
Early LS Absent Criterion (mg N/	3.560
Early Life Stages Present?	y
Effective Criterion (mg N/L)	3.027

0.980 MGD DISCHARGE FLOW - COMPLETE STREAM MIX

Discharge Flow Used for WQS-WLA Calculations (MGI 0.980

	100% Stream Flows Allocated to Mix (MGD)		Total Mix Flows Stream + Discharge (MGD)	
	Dry Season	Wet Season	Dry Season	Wet Season
1Q10	0.000	0.000	0.980	0.980
7Q10	0.000	N/A	0.980	N/A
30Q10	0.000	0.000	0.980	0.980
30Q5	0.000	N/A	0.980	N/A
Harm. Mean	0.000	N/A	0.980	N/A
Annual Avg.	0.000	N/A	0.980	N/A

Stream/Discharge Mix Values

	Dry Season	Wet Season
1Q10 90th% Temp. Mix (deg C)	24.000	12.000
30Q10 90th% Temp. Mix (deg C)	24.000	12.000
1Q10 90th% pH Mix (SU)	7.840	7.840
30Q10 90th% pH Mix (SU)	7.840	7.840
1Q10 10th% pH Mix (SU)	8.000	N/A
7Q10 10th% pH Mix (SU)	8.000	N/A

	Calculated	Formula Inputs
1Q10 Hardness (mg/L as CaCO3) =	100.000	100.000
7Q10 Hardness (mg/L as CaCO3) =	100.000	100.000

Ammonia - Dry Season - Acute

90th Percentile pH (SU)	7.840
(7.204 - pH)	-0.636
(pH - 7.204)	0.636
Trout Present Criterion (mg N/l	7.547
Trout Absent Criterion (mg N/L	11.301
Trout Present?	n
Effective Criterion (mg N/L)	11.301

Ammonia - Dry Season - Chronic

90th Percentile Temp. (deg C)	24.000
90th Percentile pH (SU)	7.840
MIN	1.547
MAX	24.000
(7.688 - pH)	-0.152
(pH - 7.688)	0.152
Early LS Present Criterion (mg N	1.642
Early LS Absent Criterion (mg N/	1.642
Early Life Stages Present?.	y
Effective Criterion (mg N/L)	1.642

Ammonia - Wet Season - Acute

90th Percentile pH (SU)	7.840
(7.204 - pH)	-0.636
(pH - 7.204)	0.636
Trout Present Criterion (mg N/l	7.547
Trout Absent Criterion (mg N/L	11.301
Trout Present?	n
Effective Criterion (mg N/L)	11.301

Ammonia - Wet Season - Chronic

90th Percentile Temp. (deg C)	12.000
90th Percentile pH (SU)	7.840
MIN	2.850
MAX	12.000
(7.688 - pH)	-0.152
(pH - 7.688)	0.152
Early LS Present Criterion (mg N	3.027
Early LS Absent Criterion (mg N/	3.560
Early Life Stages Present?	y
Effective Criterion (mg N/L)	3.027

6-24

8/26/2015 3:47:44 PM

Facility = Tyson Farms, Inc
Chemical = Copper
Chronic averaging period = 30
WLAa = 13
WLAc = 9
Q.L. = 10
# samples/mo. = 4
# samples/wk. = 1

Summary of Statistics:

observations = 37
Expected Value = .099886
Variance = .003591
C.V. = 0.6
97th percentile daily values = .243066
97th percentile 4 day average = .166190
97th percentile 30 day average= .120468
< Q.L. = 37
Model used = BPJ Assumptions, Type 1 data

No Limit is required for this material

The data are:

3	
2	0
7	0
4	9
3	0
2	0
0	0
0	2
0	0
0	3
0	3
0	0
0	3
0	0
3	2
0	
2	
0	
3	
2	
0	
0	
5	

6-25

8/26/2015 3:41:40 PM

Facility = Tyson Farms, Inc (Nov-Apr)
Chemical = Ammonia
Chronic averaging period = 30
WLAa = 11
WLAc = 1.6
Q.L. = .1
# samples/mo. = 4
# samples/wk. = 1

Summary of Statistics:

observations = 17
Expected Value = 2.88845
Variance = 385.200
C.V. = 6.794806
97th percentile daily values = 17.1676
97th percentile 4 day average = 13.2451
97th percentile 30 day average= 9.16281
< Q.L. = 4
Model used = delta lognormal

A limit is needed based on Chronic Toxicity
Maximum Daily Limit = 2.99779358013851
Average Weekly limit = 2.99779358013851
Average Monthly LImit = 2.31285766907464

The data are:

0.34
0.9
0.13
0
0
0
0.2
3.16
14.6
1.7
0.12
0.22
0.12
0.16
0.19
32.4
0

6-26

8/26/2015 3:43:08 PM

Facility = Tyson Farms, Inc (May-Oct)
Chemical = Ammonia
Chronic averaging period = 30
WLAa = 11
WLAc = 1.6
Q.L. = .1
# samples/mo. = 4
# samples/wk. = 1

Summary of Statistics:

observations = 13
Expected Value = .099886
Variance = .003591
C.V. = 0.6
97th percentile daily values = .243066
97th percentile 4 day average = .166190
97th percentile 30 day average= .120468
< Q.L. = 8
Model used = BPJ Assumptions, Type 1 data

No Limit is required for this material

The data are:

0
0.15
0
0.11
0.1
0
0
0.26
0
0
0
0.23
0

Tyson Farms Inc. 1/43

Attachment 4

Permit Type:VPDES

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Jan-10	001	001	FLOW	.90	NL	1.25	NL	-	*********	-	*********	-	*********
VA0004049	10-Feb-10	001	001	FLOW	.76	NL	1.22	NL	-	*********	-	*********	-	*********
VA0004049	10-Mar-10	001	001	FLOW	.99	NL	1.44	NL	-	*********	-	*********	-	*********
VA0004049	10-Apr-10	001	001	FLOW	.96	NL	1.4	NL	-	*********	-	*********	-	*********
VA0004049	10-May-10	001	001	FLOW	.90	NL	1.33	NL	-	*********	-	*********	-	*********
VA0004049	10-Jun-10	001	001	FLOW	.92	NL	1.31	NL	-	*********	-	*********	-	*********
VA0004049	10-Jul-10	001	001	FLOW	.94	NL	1.54	NL	-	*********	-	*********	-	*********
VA0004049	10-Aug-10	001	001	FLOW	.93	NL	1.17	NL	-	*********	-	*********	-	*********
VA0004049	10-Sep-10	001	001	FLOW	1.06	NL	1.38	NL	-	*********	-	*********	-	*********
VA0004049	10-Oct-10	001	001	FLOW	1.02	NL	1.39	NL	-	*********	-	*********	-	*********
VA0004049	10-Nov-10	001	001	FLOW	.82	NL	1.37	NL	-	*********	-	*********	-	*********
VA0004049	10-Dec-10	001	001	FLOW	1.02	NL	1.37	NL	-	*********	-	*********	-	*********
VA0004049	10-Jan-11	001	001	FLOW	.99	NL	1.4	NL	-	*********	-	*********	-	*********
VA0004049	10-Feb-11	001	001	FLOW	1.11	NL	1.51	NL	-	*********	-	*********	-	*********
VA0004049	10-Mar-11	001	001	FLOW	.83	NL	1.20	NL	-	*********	-	*********	-	*********
VA0004049	10-Apr-11	001	001	FLOW	.89	NL	1.42	NL	-	*********	-	*********	-	*********
VA0004049	10-May-11	001	001	FLOW	.87	NL	1.3	NL	-	*********	-	*********	-	*********
VA0004049	10-Jun-11	001	001	FLOW	.96	NL	1.41	NL	-	*********	-	*********	-	*********
VA0004049	10-Jul-11	001	001	FLOW	.98	NL	1.25	NL	-	*********	-	*********	-	*********
VA0004049	10-Aug-11	001	001	FLOW	.92	NL	1.21	NL	-	*********	-	*********	-	*********
VA0004049	10-Sep-11	001	001	FLOW	.94	NL	1.68	NL	-	*********	-	*********	-	*********
VA0004049	10-Oct-11	001	001	FLOW	1.01	NL	1.25	NL	-	*********	-	*********	-	*********
VA0004049	10-Nov-11	001	001	FLOW	.86	NL	1.18	NL	-	*********	-	*********	-	*********
VA0004049	10-Dec-11	001	001	FLOW	.86	NL	1.46	NL	-	*********	-	*********	-	*********
VA0004049	10-Jan-12	001	001	FLOW	.87	NL	1.20	NL	-	*********	-	*********	-	*********
VA0004049	10-Feb-12	001	001	FLOW	.99	NL	1.40	NL	-	*********	-	*********	-	*********

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Mar-12	001	001	FLOW	.93	NL	1.45	NL	-	*********	-	*********	-	*********
VA0004049	10-Apr-12	001	001	FLOW	.90	NL	1.42	NL	-	*********	-	*********	-	*********
VA0004049	10-May-12	001	001	FLOW	.85	NL	1.38	NL	-	*********	-	*********	-	*********
VA0004049	10-Jun-12	001	001	FLOW	.98	NL	1.35	NL	-	*********	-	*********	-	*********
VA0004049	10-Jul-12	001	001	FLOW	.92	NL	1.29	NL	-	*********	-	*********	-	*********
VA0004049	10-Aug-12	001	001	FLOW	.89	NL	1.16	NL	-	*********	-	*********	-	*********
VA0004049	10-Sep-12	001	001	FLOW	1.08	NL	1.51	NL	-	*********	-	*********	-	*********
VA0004049	10-Oct-12	001	001	FLOW	.91	NL	1.44	NL	-	*********	-	*********	-	*********
VA0004049	10-Nov-12	001	001	FLOW	.96	NL	1.54	NL	-	*********	-	*********	-	*********
VA0004049	10-Dec-12	001	001	FLOW	.86	NL	1.21	NL	-	*********	-	*********	-	*********
VA0004049	10-Jan-13	001	001	FLOW	.87	NL	1.50	NL	-	*********	-	*********	-	*********
VA0004049	10-Feb-13	001	001	FLOW	.97	NL	1.43	NL	-	*********	-	*********	-	*********
VA0004049	10-Mar-13	001	001	FLOW	.90	NL	1.44	NL	-	*********	-	*********	-	*********
VA0004049	10-Apr-13	001	001	FLOW	1.00	NL	1.86	NL	-	*********	-	*********	-	*********
VA0004049	10-May-13	001	001	FLOW	1.0	NL	1.4	NL	-	*********	-	*********	-	*********
VA0004049	10-Jun-13	001	001	FLOW	.99	NL	1.35	NL	-	*********	-	*********	-	*********
VA0004049	10-Jul-13	001	001	FLOW	1.02	NL	1.58	NL	-	*********	-	*********	-	*********
VA0004049	10-Aug-13	001	001	FLOW	1.02	NL	1.69	NL	-	*********	-	*********	-	*********
VA0004049	10-Sep-13	001	001	FLOW	1.04	NL	1.42	NL	-	*********	-	*********	-	*********
VA0004049	10-Oct-13	001	001	FLOW	.98	NL	1.67	NL	-	*********	-	*********	-	*********
VA0004049	10-Nov-13	001	001	FLOW	1.05	NL	1.86	NL	-	*********	-	*********	-	*********
VA0004049	10-Dec-13	001	001	FLOW	.88	NL	1.39	NL	-	*********	-	*********	-	*********
VA0004049	10-Jan-14	001	001	FLOW	.87	NL	1.41	NL	-	*********	-	*********	-	*********
VA0004049	10-Feb-14	001	001	FLOW	.90	NL	1.52	NL	-	*********	-	*********	-	*********
VA0004049	10-Mar-14	001	001	FLOW	1.02	NL	1.43	NL	-	*********	-	*********	-	*********
VA0004049	10-Apr-14	001	001	FLOW	.92	NL	1.39	NL	-	*********	-	*********	-	*********
VA0004049	10-May-14	001	001	FLOW	.85	NL	1.33	NL	-	*********	-	*********	-	*********
VA0004049	10-Jun-14	001	001	FLOW	1.14	NL	1.79	NL	-	*********	-	*********	-	*********
VA0004049	10-Jul-14	001	001	FLOW	1.06	NL	1.52	NL	-	*********	-	*********	-	*********
VA0004049	10-Aug-14	001	001	FLOW	1.01	NL	1.55	NL	-	*********	-	*********	-	*********

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Sep-14	001	001	FLOW	.99	NL	1.47	NL	-	*********	-	*********	-	*********
VA0004049	10-Oct-14	001	001	FLOW	1.06	NL	1.83	NL	-	*********	-	*********	-	*********
VA0004049	10-Nov-14	001	001	FLOW	1.05	NL	1.63	NL	-	*********	-	*********	-	*********
VA0004049	10-Dec-14	001	001	FLOW	.92	NL	1.48	NL	-	*********	-	*********	-	*********
VA0004049	10-Jan-15	001	001	FLOW	1.07	NL	1.65	NL	-	*********	-	*********	-	*********
VA0004049	10-Feb-15	001	001	FLOW	1.06	NL	1.47	NL	-	*********	-	*********	-	*********
VA0004049	10-Mar-15	001	001	FLOW	.96	NL	1.48	NL	-	*********	-	*********	-	*********
VA0004049	10-Apr-15	001	001	FLOW	.90	NL	1.65	NL	-	*********	-	*********	-	*********
VA0004049	10-May-15	001	001	FLOW	.99	NL	1.43	NL	-	*********	-	*********	-	*********
VA0004049	10-Jun-15	001	001	FLOW	1.0	NL	1.9	NL	-	*********	-	*********	-	*********
VA0004049	10-Jul-15	001	001	FLOW	-	NL	-	NL	-	*********	-	*********	-	*********
VA0004049	10-Aug-15	001	001	FLOW	-	NL	-	NL	-	*********	-	*********	-	*********
VA0004049	10-Sep-15	001	001	FLOW	-	NL	-	NL	-	*********	-	*********	-	*********
VA0004049	10-Oct-15	001	001	FLOW	-	NL	-	NL	-	*********	-	*********	-	*********
VA0004049	10-Nov-15	001	001	FLOW	-	NL	-	NL	-	*********	-	*********	-	*********
VA0004049	10-Dec-15	001	001	FLOW	-	NL	-	NL	-	*********	-	*********	-	*********
VA0004049	10-Jan-16	001	001	FLOW	-	NL	-	NL	-	*********	-	*********	-	*********
VA0004049	10-Jan-10	001	002	pH	-	*********	-	*********	6.5	6.0	-	*********	7.5	9.0
VA0004049	10-Feb-10	001	002	pH	-	*********	-	*********	6.8	6.0	-	*********	7.3	9.0
VA0004049	10-Mar-10	001	002	pH	-	*********	-	*********	6.7	6.0	-	*********	7.2	9.0
VA0004049	10-Apr-10	001	002	pH	-	*********	-	*********	6.8	6.0	-	*********	7.4	9.0
VA0004049	10-May-10	001	002	pH	-	*********	-	*********	6.4	6.0	-	*********	7.7	9.0
VA0004049	10-Jun-10	001	002	pH	-	*********	-	*********	6.5	6.0	-	*********	7.6	9.0
VA0004049	10-Jul-10	001	002	pH	-	*********	-	*********	6.5	6.0	-	*********	7.6	9.0
VA0004049	10-Aug-10	001	002	pH	-	*********	-	*********	6.4	6.0	-	*********	8.3	9.0
VA0004049	10-Sep-10	001	002	pH	-	*********	-	*********	6.2	6.0	-	*********	7.2	9.0
VA0004049	10-Oct-10	001	002	pH	-	*********	-	*********	6.5	6.0	-	*********	7.3	9.0
VA0004049	10-Nov-10	001	002	pH	-	*********	-	*********	6.4	6.0	-	*********	7.4	9.0
VA0004049	10-Dec-10	001	002	pH	-	*********	-	*********	6.6	6.0	-	*********	7.5	9.0
VA0004049	10-Jan-11	001	002	pH	-	*********	-	*********	6.5	6.0	-	*********	7.3	9.0

→ 35.11 mgd LTA
36 months =
.98 mgd LTA

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Feb-11	001	002	pH	-	*********	-	*********	7.1	6.0	-	*********	7.7	9.0
VA0004049	10-Mar-11	001	002	pH	-	*********	-	*********	7.0	6.0	-	*********	7.6	9.0
VA0004049	10-Apr-11	001	002	pH	-	*********	-	*********	7.0	6.0	-	*********	7.8	9.0
VA0004049	10-May-11	001	002	pH	-	*********	-	*********	6.9	6.0	-	*********	7.5	9.0
VA0004049	10-Jun-11	001	002	pH	-	*********	-	*********	7.0	6.0	-	*********	7.6	9.0
VA0004049	10-Jul-11	001	002	pH	-	*********	-	*********	7.3	6.0	-	*********	7.7	9.0
VA0004049	10-Aug-11	001	002	pH	-	*********	-	*********	6.2	6.0	-	*********	8.0	9.0
VA0004049	10-Sep-11	001	002	pH	-	*********	-	*********	6.9	6.0	-	*********	7.7	9.0
VA0004049	10-Oct-11	001	002	pH	-	*********	-	*********	6.8	6.0	-	*********	7.8	9.0
VA0004049	10-Nov-11	001	002	pH	-	*********	-	*********	7.2	6.0	-	*********	7.9	9.0
VA0004049	10-Dec-11	001	002	pH	-	*********	-	*********	6.9	6.0	-	*********	7.9	9.0
VA0004049	10-Jan-12	001	002	pH	-	*********	-	*********	7.0	6.0	-	*********	7.7	9.0
VA0004049	10-Feb-12	001	002	pH	-	*********	-	*********	7.0	6.0	-	*********	7.8	9.0
VA0004049	10-Mar-12	001	002	pH	-	*********	-	*********	6.98	6.0	-	*********	8.02	9.0
VA0004049	10-Apr-12	001	002	pH	-	*********	-	*********	6.9	6.0	-	*********	7.6	9.0
VA0004049	10-May-12	001	002	pH	-	*********	-	*********	7.0	6.0	-	*********	7.65	9.0
VA0004049	10-Jun-12	001	002	pH	-	*********	-	*********	7.04	6.0	-	*********	7.86	9.0
VA0004049	10-Jul-12	001	002	pH	-	*********	-	*********	7.09	6.0	-	*********	7.84	9.0
VA0004049	10-Aug-12	001	002	pH	-	*********	-	*********	7.1	6.0	-	*********	7.6	9.0
VA0004049	10-Sep-12	001	002	pH	-	*********	-	*********	7.02	6.0	-	*********	7.45	9.0
VA0004049	10-Oct-12	001	002	pH	-	*********	-	*********	6.9	6.0	-	*********	7.6	9.0
VA0004049	10-Nov-12	001	002	pH	-	*********	-	*********	6.9	6.0	-	*********	7.6	9.0
VA0004049	10-Dec-12	001	002	pH	-	*********	-	*********	6.8	6.0	-	*********	7.6	9.0
VA0004049	10-Jan-13	001	002	pH	-	*********	-	*********	6.8	6.0	-	*********	7.4	9.0
VA0004049	10-Feb-13	001	002	pH	-	*********	-	*********	6.8	6.0	-	*********	7.2	9.0
VA0004049	10-Mar-13	001	002	pH	-	*********	-	*********	6.7	6.0	-	*********	7.4	9.0
VA0004049	10-Apr-13	001	002	pH	-	*********	-	*********	6.9	6.0	-	*********	7.2	9.0
VA0004049	10-May-13	001	002	pH	-	*********	-	*********	6.7	6.0	-	*********	7.5	9.0
VA0004049	10-Jun-13	001	002	pH	-	*********	-	*********	7.1	6.0	-	*********	7.6	9.0
VA0004049	10-Jul-13	001	002	pH	-	*********	-	*********	6.8	6.0	-	*********	7.7	9.0

90% (36 data pts)

90% calc
N = 36
$\frac{36(90)}{100} = 32.4$
$= 32$

Tyson Farms, Inc

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Aug-13	001	002	pH	-	**********	-	**********	6.7	6.0	-	**********	7.7	9.0
VA0004049	10-Sep-13	001	002	pH	-	**********	-	**********	7.2	6.0	-	**********	7.9	9.0
VA0004049	10-Oct-13	001	002	pH	-	**********	-	**********	7.0	6.0	-	**********	8.0	9.0
VA0004049	10-Nov-13	001	002	pH	-	**********	-	**********	7.1	6.0	-	**********	7.8	9.0
VA0004049	10-Dec-13	001	002	pH	-	**********	-	**********	6.7	6.0	-	**********	7.6	9.0
VA0004049	10-Jan-14	001	002	pH	-	**********	-	**********	6.8	6.0	-	**********	7.7	9.0
VA0004049	10-Feb-14	001	002	pH	-	**********	-	**********	6.8	6.0	-	**********	7.4	9.0
VA0004049	10-Mar-14	001	002	pH	-	**********	-	**********	6.7	6.0	-	**********	7.4	9.0
VA0004049	10-Apr-14	001	002	pH	-	**********	-	**********	6.8	6.0	-	**********	7.4	9.0
VA0004049	10-May-14	001	002	pH	-	**********	-	**********	6.9	6.0	-	**********	7.6	9.0
VA0004049	10-Jun-14	001	002	pH	-	**********	-	**********	6.8	6.0	-	**********	7.1	9.0
VA0004049	10-Jul-14	001	002	pH	-	**********	-	**********	7.0	6.0	-	**********	7.8	9.0
VA0004049	10-Aug-14	001	002	pH	-	**********	-	**********	7.2	6.0	-	**********	7.9	9.0
VA0004049	10-Sep-14	001	002	pH	-	**********	-	**********	6.98	6.0	-	**********	7.6	9.0
VA0004049	10-Oct-14	001	002	pH	-	**********	-	**********	7.1	6.0	-	**********	7.8	9.0
VA0004049	10-Nov-14	001	002	pH	-	**********	-	**********	7.0	6.0	-	**********	8.0	9.0
VA0004049	10-Dec-14	001	002	pH	-	**********	-	**********	6.9	6.0	-	**********	7.6	9.0
VA0004049	10-Jan-15	001	002	pH	-	**********	-	**********	6.9	6.0	-	**********	7.4	9.0
VA0004049	10-Feb-15	001	002	pH	-	**********	-	**********	6.7	6.0	-	**********	7.5	9.0
VA0004049	10-Mar-15	001	002	pH	-	**********	-	**********	7.1	6.0	-	**********	7.5	9.0
VA0004049	10-Apr-15	001	002	pH	-	**********	-	**********	6.9	6.0	-	**********	7.7	9.0
VA0004049	10-May-15	001	002	pH	-	**********	-	**********	7.0	6.0	-	**********	7.7	9.0
VA0004049	10-Jun-15	001	002	pH	-	**********	-	**********	7.0	6.0	-	**********	7.8	9.0
VA0004049	10-Jul-15	001	002	pH	-	**********	-	**********	-	6.0	-	**********	-	9.0
VA0004049	10-Aug-15	001	002	pH	-	**********	-	**********	-	6.0	-	**********	-	9.0
VA0004049	10-Sep-15	001	002	pH	-	**********	-	**********	-	6.0	-	**********	-	9.0
VA0004049	10-Oct-15	001	002	pH	-	**********	-	**********	-	6.0	-	**********	-	9.0
VA0004049	10-Nov-15	001	002	pH	-	**********	-	**********	-	6.0	-	**********	-	9.0
VA0004049	10-Dec-15	001	002	pH	-	**********	-	**********	-	6.0	-	**********	-	9.0
VA0004049	10-Jan-16	001	002	pH	-	**********	-	**********	-	6.0	-	**********	-	9.0

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Jan-10	001	003	BOD5	<QL	147	<QL	239	-	*********	<QL	16	<QL	26
VA0004049	10-Feb-10	001	003	BOD5	<11	147	49	239	-	*********	<2	16	7	26
VA0004049	10-Mar-10	001	003	BOD5	<22	147	91	239	-	*********	<3	16	12	26
VA0004049	10-Apr-10	001	003	BOD5	65	147	167	239	-	*********	8	16	17	26
VA0004049	10-May-10	001	003	BOD5	<QL	147	<QL	239	-	*********	<QL	16	<QL	26
VA0004049	10-Jun-10	001	003	BOD5	<QL	147	<QL	239	-	*********	<QL	16	<QL	26
VA0004049	10-Jul-10	001	003	BOD5	<QL	147	<QL	239	-	*********	<QL	16	<QL	26
VA0004049	10-Aug-10	001	003	BOD5	<QL	147	<QL	239	-	*********	<QL	16	<QL	26
VA0004049	10-Sep-10	001	003	BOD5	<QL	147	<QL	239	-	*********	<QL	16	<QL	26
VA0004049	10-Oct-10	001	003	BOD5	<6	147	58	239	-	*********	<.6	16	5	26
VA0004049	10-Nov-10	001	003	BOD5	<QL	147	<QL	239	-	*********	<QL	16	<QL	26
VA0004049	10-Dec-10	001	003	BOD5	<QL	147	<QL	239	-	*********	<QL	16	<QL	26
VA0004049	10-Jan-11	001	003	BOD5	<16	147	79	239	-	*********	<2	16	7	26
VA0004049	10-Feb-11	001	003	BOD5	<29	115	75	187	-	*********	<3	16	9	26
VA0004049	10-Mar-11	001	003	BOD5	<QL	115	<QL	187	-	*********	<QL	16	<QL	26
VA0004049	10-Apr-11	001	003	BOD5	<QL	115	<QL	187	-	*********	<QL	16	<QL	26
VA0004049	10-May-11	001	003	BOD5	<12	115	50	187	-	*********	<1	16	6	26
VA0004049	10-Jun-11	001	003	BOD5	<37	115	<57	187	-	*********	<5	16	<5	26
VA0004049	10-Jul-11	001	003	BOD5	<71.85	115	148.79	187	-	*********	<9	16	21	26
VA0004049	10-Aug-11	001	003	BOD5	<36	115	<48	187	-	*********	<5	16	<5	26
VA0004049	10-Sep-11	001	003	BOD5	<39	115	<59	187	-	*********	<5	16	<5	26
VA0004049	10-Oct-11	001	003	BOD5	<39	115	67	187	-	*********	<6	16	7	26
VA0004049	10-Nov-11	001	003	BOD5	<35	115	<44	187	-	*********	<5	16	<5	26
VA0004049	10-Dec-11	001	003	BOD5	<37	115	<55	187	-	*********	<5	16	<5	26
VA0004049	10-Jan-12	001	003	BOD5	<31	115	<43	187	-	*********	<5	16	6	26
VA0004049	10-Feb-12	001	003	BOD5	<42	115	<51	187	-	*********	<5	16	<5	26
VA0004049	10-Mar-12	001	003	BOD5	<37	115	<44	187	-	*********	<5	16	<5	26
VA0004049	10-Apr-12	001	003	BOD5	<38	115	<45	187	-	*********	<5	16	<5	26
VA0004049	10-May-12	001	003	BOD5	<39	115	<54	187	-	*********	<5	16	<5	26
VA0004049	10-Jun-12	001	003	BOD5	<38	115	<44	187	-	*********	<5	16	<5	26

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Jul-12	001	003	BOD5	<37	115	<45	187	-	**********	<5	16	<5	26
VA0004049	10-Aug-12	001	003	BOD5	<38	115	<43	187	-	**********	<5	16	<5	26
VA0004049	10-Sep-12	001	003	BOD5	<45	115	<59	187	-	**********	<5	16	<5	26
VA0004049	10-Oct-12	001	003	BOD5	<36	115	<50	187	-	**********	<5	16	<5	26
VA0004049	10-Nov-12	001	003	BOD5	<40	115	<49	187	-	**********	<5	16	<5	26
VA0004049	10-Dec-12	001	003	BOD5	<42	115	<51	187	-	**********	<5	16	<5	26
VA0004049	10-Jan-13	001	003	BOD5	<35	115	<42	187	-	**********	<5	16	<5	26
VA0004049	10-Feb-13	001	003	BOD5	<42	115	<50	187	-	**********	<5	16	<5	26
VA0004049	10-Mar-13	001	003	BOD5	<43	115	<60	187	-	**********	<5	16	<5	26
VA0004049	10-Apr-13	001	003	BOD5	<44	115	<78	187	-	**********	<5	16	<5	26
VA0004049	10-May-13	001	003	BOD5	<43	115	<57	187	-	**********	<5	16	<5	26
VA0004049	10-Jun-13	001	003	BOD5	<39	115	<50	187	-	**********	<5	16	<5	26
VA0004049	10-Jul-13	001	003	BOD5	<42	115	<50	187	-	**********	<5	16	6	26
VA0004049	10-Aug-13	001	003	BOD5	<39	115	<48	187	-	**********	<5	16	<5	26
VA0004049	10-Sep-13	001	003	BOD5	<45	115	<56	187	-	**********	<5	16	<5	26
VA0004049	10-Oct-13	001	003	BOD5	<43	115	<51	187	-	**********	<5	16	<5	26
VA0004049	10-Nov-13	001	003	BOD5	<45	115	<61	187	-	**********	<5	16	<5	26
VA0004049	10-Dec-13	001	003	BOD5	<34	115	<51	187	-	**********	<5	16	<5	26
VA0004049	10-Jan-14	001	003	BOD5	<34	115	<50	187	-	**********	<5	16	<5	26
VA0004049	10-Feb-14	001	003	BOD5	<41	115	<59	187	-	**********	<5	16	<5	26
VA0004049	10-Mar-14	001	003	BOD5	<41	115	<49	187	-	**********	<5	16	<5	26
VA0004049	10-Apr-14	001	003	BOD5	<39	115	68	187	-	**********	<5	16	8	26
VA0004049	10-May-14	001	003	BOD5	<32	115	<47	187	-	**********	<5	16	<5	26
VA0004049	10-Jun-14	001	003	BOD5	<40	115	<52	187	-	**********	<5	16	<5	26
VA0004049	10-Jul-14	001	003	BOD5	<47	115	<54	187	-	**********	<5	16	<5	26
VA0004049	10-Aug-14	001	003	BOD5	<50	115	<65	187	-	**********	<5	16	<5	26
VA0004049	10-Sep-14	001	003	BOD5	<43	115	<61	187	-	**********	<5	16	<5	26
VA0004049	10-Oct-14	001	003	BOD5	<47	115	<68	187	-	**********	<5	16	<5	26
VA0004049	10-Nov-14	001	003	BOD5	<20	115	<24	187	-	**********	<2	16	3	26
VA0004049	10-Dec-14	001	003	BOD5	<31	115	82	187	-	**********	<4	16	10	26

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Jan-15	001	003	BOD5	<28	115	106	187	-	*********	<3	16	9	26
VA0004049	10-Feb-15	001	003	BOD5	40	115	61	187	-	*********	4	16	6	26
VA0004049	10-Mar-15	001	003	BOD5	<48	115	119	187	-	*********	<6	16	10	26
VA0004049	10-Apr-15	001	003	BOD5	<46	115	75	187	-	*********	<5	16	7.2	26
VA0004049	10-May-15	001	003	BOD5	<21	115	26	187	-	*********	<2	16	2	26
VA0004049	10-Jun-15	001	003	BOD5	<24	115	37	187	-	*********	<2	16	3	26
VA0004049	10-Jul-15	001	003	BOD5	-	115	-	187	-	*********	-	16	-	26
VA0004049	10-Aug-15	001	003	BOD5	-	115	-	187	-	*********	-	16	-	26
VA0004049	10-Sep-15	001	003	BOD5	-	115	-	187	-	*********	-	16	-	26
VA0004049	10-Oct-15	001	003	BOD5	-	115	-	187	-	*********	-	16	-	26
VA0004049	10-Nov-15	001	003	BOD5	-	115	-	187	-	*********	-	16	-	26
VA0004049	10-Dec-15	001	003	BOD5	-	115	-	187	-	*********	-	16	-	26
VA0004049	10-Jan-16	001	003	BOD5	-	115	-	187	-	*********	-	16	-	26
VA0004049	10-Jan-10	001	004	TSS	26	167	31	275	-	*********	4	20	4	30
VA0004049	10-Feb-10	001	004	TSS	41	167	74	275	-	*********	5	20	7	30
VA0004049	10-Mar-10	001	004	TSS	78	167	108	275	-	*********	9	20	13	30
VA0004049	10-Apr-10	001	004	TSS	95	167	133	275	-	*********	12	20	17	30
VA0004049	10-May-10	001	004	TSS	16	167	20	275	-	*********	3	20	3	30
VA0004049	10-Jun-10	001	004	TSS	14	167	21	275	-	*********	2	20	4	30
VA0004049	10-Jul-10	001	004	TSS	32	167	72	275	-	*********	4	20	7	30
VA0004049	10-Aug-10	001	004	TSS	29	167	66	275	-	*********	4	20	9	30
VA0004049	10-Sep-10	001	004	TSS	42	167	116	275	-	*********	4	20	13	30
VA0004049	10-Oct-10	001	004	TSS	19	167	28	275	-	*********	2	20	3	30
VA0004049	10-Nov-10	001	004	TSS	18	167	27	275	-	*********	3	20	4	30
VA0004049	10-Dec-10	001	004	TSS	22	167	37	275	-	*********	3	20	4	30
VA0004049	10-Jan-11	001	004	TSS	28	167	41	275	-	*********	3	20	4	30
VA0004049	10-Feb-11	001	004	TSS	<24	143	43	215	-	*********	<2	20	5	30
VA0004049	10-Mar-11	001	004	TSS	<1	143	11	215	-	*********	<.1	20	1	30
VA0004049	10-Apr-11	001	004	TSS	<4	143	13	215	-	*********	<.5	20	2	30
VA0004049	10-May-11	001	004	TSS	25	143	86	215	-	*********	3	20	10	30

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Jun-11	001	004	TSS	10	143	24	215	-	*********	1	20	2	30
VA0004049	10-Jul-11	001	004	TSS	42	143	110	215	-	*********	6	20	16	30
VA0004049	10-Aug-11	001	004	TSS	<12	143	15	215	-	*********	<2	20	3	30
VA0004049	10-Sep-11	001	004	TSS	38	143	85	215	-	*********	5	20	11	30
VA0004049	10-Oct-11	001	004	TSS	20	143	37	215	-	*********	3	20	5	30
VA0004049	10-Nov-11	001	004	TSS	<7	143	17	215	-	*********	<1	20	2	30
VA0004049	10-Dec-11	001	004	TSS	<7	143	<11	215	-	*********	<1	20	1	30
VA0004049	10-Jan-12	001	004	TSS	<6	143	8	215	-	*********	<1	20	1	30
VA0004049	10-Feb-12	001	004	TSS	17	143	51	215	-	*********	2	20	5	30
VA0004049	10-Mar-12	001	004	TSS	<11	143	19	215	-	*********	<2	20	2	30
VA0004049	10-Apr-12	001	004	TSS	<9	143	13	215	-	*********	<1	20	1.5	30
VA0004049	10-May-12	001	004	TSS	<9	143	18	215	-	*********	<1	20	3	30
VA0004049	10-Jun-12	001	004	TSS	<8	143	12	215	-	*********	<1.10	20	1.40	30
VA0004049	10-Jul-12	001	004	TSS	<9	143	<10	215	-	*********	<1.18	20	1.60	30
VA0004049	10-Aug-12	001	004	TSS	<9	143	13	215	-	*********	<1.22	20	1.70	30
VA0004049	10-Sep-12	001	004	TSS	<12	143	22.5	215	-	*********	<1.35	20	2.00	30
VA0004049	10-Oct-12	001	004	TSS	<8	143	12	215	-	*********	<1.09	20	1.20	30
VA0004049	10-Nov-12	001	004	TSS	<9	143	13	215	-	*********	<1	20	1	30
VA0004049	10-Dec-12	001	004	TSS	12	143	16	215	-	*********	2	20	2	30
VA0004049	10-Jan-13	001	004	TSS	<11	143	18	215	-	*********	<2	20	2	30
VA0004049	10-Feb-13	001	004	TSS	<11	143	16	215	-	*********	<1	20	2	30
VA0004049	10-Mar-13	001	004	TSS	<14	143	22	215	-	*********	<2	20	2	30
VA0004049	10-Apr-13	001	004	TSS	17	143	23	215	-	*********	2	20	3	30
VA0004049	10-May-13	001	004	TSS	<9	143	<11	215	-	*********	<1	20	1	30
VA0004049	10-Jun-13	001	004	TSS	<8	143	<10	215	-	*********	<1	20	<1	30
VA0004049	10-Jul-13	001	004	TSS	<8	143	<10	215	-	*********	<1	20	1	30
VA0004049	10-Aug-13	001	004	TSS	<23	143	61	215	-	*********	<3	20	9	30
VA0004049	10-Sep-13	001	004	TSS	<18	143	53	215	-	*********	<2	20	5	30
VA0004049	10-Oct-13	001	004	TSS	<10	143	18	215	-	*********	<1	20	2	30
VA0004049	10-Nov-13	001	004	TSS	<10	143	16	215	-	*********	<1	20	2	30

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Dec-13	001	004	TSS	<7	143	10	215	-	*********	<1	20	1	30
VA0004049	10-Jan-14	001	004	TSS	<14	143	30	215	-	*********	<2	20	4	30
VA0004049	10-Feb-14	001	004	TSS	<10	143	18	215	-	*********	<1.3	20	2.1	30
VA0004049	10-Mar-14	001	004	TSS	<11	143	25	215	-	*********	<1	20	3	30
VA0004049	10-Apr-14	001	004	TSS	<15	143	30	215	-	*********	<2	20	5	30
VA0004049	10-May-14	001	004	TSS	<9	143	25	215	-	*********	<1	20	3	30
VA0004049	10-Jun-14	001	004	TSS	<8	143	12	215	-	*********	<1	20	1	30
VA0004049	10-Jul-14	001	004	TSS	<9	143	<11	215	-	*********	<1	20	<1	30
VA0004049	10-Aug-14	001	004	TSS	<10	143	<13	215	-	*********	<1	20	<1	30
VA0004049	10-Sep-14	001	004	TSS	<9	143	<12	215	-	*********	<1	20	1	30
VA0004049	10-Oct-14	001	004	TSS	<11	143	25	215	-	*********	<1	20	2	30
VA0004049	10-Nov-14	001	004	TSS	<10	143	<12	215	-	*********	<1	20	1	30
VA0004049	10-Dec-14	001	004	TSS	16	143	29	215	-	*********	2	20	3	30
VA0004049	10-Jan-15	001	004	TSS	25	143	70	215	-	*********	2	20	6	30
VA0004049	10-Feb-15	001	004	TSS	27	143	39	215	-	*********	3	20	4	30
VA0004049	10-Mar-15	001	004	TSS	43	143	78	215	-	*********	6	20	18	30
VA0004049	10-Apr-15	001	004	TSS	126	143	398	215	-	*********	16	20	51	30
VA0004049	10-May-15	001	004	TSS	25	143	31	215	-	*********	2	20	3	30
VA0004049	10-Jun-15	001	004	TSS	<16	143	32	215	-	*********	<1	20	3	30
VA0004049	10-Jul-15	001	004	TSS	-	143	-	215	-	*********	-	20	-	30
VA0004049	10-Aug-15	001	004	TSS	-	143	-	215	-	*********	-	20	-	30
VA0004049	10-Sep-15	001	004	TSS	-	143	-	215	-	*********	-	20	-	30
VA0004049	10-Oct-15	001	004	TSS	-	143	-	215	-	*********	-	20	-	30
VA0004049	10-Nov-15	001	004	TSS	-	143	-	215	-	*********	-	20	-	30
VA0004049	10-Dec-15	001	004	TSS	-	143	-	215	-	*********	-	20	-	30
VA0004049	10-Jan-16	001	004	TSS	-	143	-	215	-	*********	-	20	-	30
VA0004049	10-Jan-10	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	<QL	.0080	<QL	.016
VA0004049	10-Feb-10	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	<QL	.0080	<QL	.016
VA0004049	10-Mar-10	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	<QL	.0080	<QL	.016
VA0004049	10-Apr-10	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	<QL	.0080	<QL	.016

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-May-10	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	<QL	.0080	<QL	.016
VA0004049	10-Jun-10	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	<QL	.0080	<QL	.016
VA0004049	10-Jul-10	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	<QL	.0080	<QL	.016
VA0004049	10-Aug-10	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	<QL	.0080	<QL	.016
VA0004049	10-Sep-10	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	<QL	.0080	<QL	.016
VA0004049	10-Oct-10	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	<QL	.0080	<QL	.016
VA0004049	10-Nov-10	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	<QL	.0080	<QL	.016
VA0004049	10-Dec-10	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	<QL	.0080	<QL	.016
VA0004049	10-Jan-11	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	<QL	.0080	<QL	.016
VA0004049	10-Feb-11	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Mar-11	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Apr-11	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-May-11	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Jun-11	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Jul-11	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Aug-11	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Sep-11	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Oct-11	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Nov-11	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Dec-11	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Jan-12	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Feb-12	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Mar-12	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Apr-12	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-May-12	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Jun-12	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Jul-12	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Aug-12	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Sep-12	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Oct-12	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Nov-12	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Dec-12	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Jan-13	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Feb-13	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Mar-13	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Apr-13	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-May-13	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Jun-13	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Jul-13	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Aug-13	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Sep-13	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Oct-13	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Nov-13	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Dec-13	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Jan-14	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Feb-14	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Mar-14	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Apr-14	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-May-14	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Jun-14	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Jul-14	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Aug-14	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Sep-14	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Oct-14	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Nov-14	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Dec-14	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Jan-15	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Feb-15	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Mar-15	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Apr-15	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-May-15	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Jun-15	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	NR	.0080	NR	.016
VA0004049	10-Jul-15	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	-	.0080	-	.016
VA0004049	10-Aug-15	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	-	.0080	-	.016
VA0004049	10-Sep-15	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	-	.0080	-	.016
VA0004049	10-Oct-15	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	-	.0080	-	.016
VA0004049	10-Nov-15	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	-	.0080	-	.016
VA0004049	10-Dec-15	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	-	.0080	-	.016
VA0004049	10-Jan-16	001	005	CL2, TOTAL	-	*********	-	*********	-	*********	-	.0080	-	.016
VA0004049	10-Jan-10	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	2	126	-	*********
VA0004049	10-Feb-10	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<5	126	-	*********
VA0004049	10-Mar-10	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	5	126	-	*********
VA0004049	10-Apr-10	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	16	126	-	*********
VA0004049	10-May-10	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Jun-10	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Jul-10	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	6	126	-	*********
VA0004049	10-Aug-10	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Sep-10	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<9	126	-	*********
VA0004049	10-Oct-10	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	25	126	-	*********
VA0004049	10-Nov-10	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	37	126	-	*********
VA0004049	10-Dec-10	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	12	126	-	*********
VA0004049	10-Jan-11	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	3	126	-	*********
VA0004049	10-Feb-11	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	NR	126	-	*********
VA0004049	10-Mar-11	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	NR	126	-	*********
VA0004049	10-Apr-11	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	NR	126	-	*********
VA0004049	10-May-11	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	NR	126	-	*********
VA0004049	10-Jun-11	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	NR	126	-	*********
VA0004049	10-Jul-11	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	NR	126	-	*********
VA0004049	10-Aug-11	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	NR	126	-	*********
VA0004049	10-Sep-11	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	NR	126	-	*********

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Oct-11	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<4	126	-	*********
VA0004049	10-Nov-11	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Dec-11	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Jan-12	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Feb-12	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Mar-12	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Apr-12	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-May-12	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Jun-12	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Jul-12	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Aug-12	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Sep-12	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<3.3	126	-	*********
VA0004049	10-Oct-12	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<4	126	-	*********
VA0004049	10-Nov-12	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	4	126	-	*********
VA0004049	10-Dec-12	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Jan-13	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Feb-13	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Mar-13	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Apr-13	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-May-13	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Jun-13	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Jul-13	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Aug-13	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Sep-13	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Oct-13	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Nov-13	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Dec-13	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Jan-14	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Feb-14	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Mar-14	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Apr-14	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-May-14	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Jun-14	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Jul-14	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<3	126	-	*********
VA0004049	10-Aug-14	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<4	126	-	*********
VA0004049	10-Sep-14	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	6.0	126	-	*********
VA0004049	10-Oct-14	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<24	126	-	*********
VA0004049	10-Nov-14	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Dec-14	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<4	126	-	*********
VA0004049	10-Jan-15	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Feb-15	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Mar-15	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<3	126	-	*********
VA0004049	10-Apr-15	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	18.3	126	-	*********
VA0004049	10-May-15	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<9	126	-	*********
VA0004049	10-Jun-15	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	<3	126	-	*********
VA0004049	10-Jul-15	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	-	126	-	*********
VA0004049	10-Aug-15	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	-	126	-	*********
VA0004049	10-Sep-15	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	-	126	-	*********
VA0004049	10-Oct-15	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	-	126	-	*********
VA0004049	10-Nov-15	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	-	126	-	*********
VA0004049	10-Dec-15	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	-	126	-	*********
VA0004049	10-Jan-16	001	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	-	126	-	*********
VA0004049	10-Jan-10	001	007	DO	-	*********	-	*********	8.8	6.5	-	*********	-	*********
VA0004049	10-Feb-10	001	007	DO	-	*********	-	*********	7.9	6.5	-	*********	-	*********
VA0004049	10-Mar-10	001	007	DO	-	*********	-	*********	9.7	6.5	-	*********	-	*********
VA0004049	10-Apr-10	001	007	DO	-	*********	-	*********	8.3	6.5	-	*********	-	*********
VA0004049	10-May-10	001	007	DO	-	*********	-	*********	7.8	6.5	-	*********	-	*********
VA0004049	10-Jun-10	001	007	DO	-	*********	-	*********	7.3	6.5	-	*********	-	*********
VA0004049	10-Jul-10	001	007	DO	-	*********	-	*********	6.6	6.5	-	*********	-	*********
VA0004049	10-Aug-10	001	007	DO	-	*********	-	*********	6.5	6.5	-	*********	-	*********

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Sep-10	001	007	DO	-	*********	-	*********	6.6	6.5	-	*********	-	*********
VA0004049	10-Oct-10	001	007	DO	-	*********	-	*********	6.5	6.5	-	*********	-	*********
VA0004049	10-Nov-10	001	007	DO	-	*********	-	*********	7.1	6.5	-	*********	-	*********
VA0004049	10-Dec-10	001	007	DO	-	*********	-	*********	7.9	6.5	-	*********	-	*********
VA0004049	10-Jan-11	001	007	DO	-	*********	-	*********	8.0	6.5	-	*********	-	*********
VA0004049	10-Feb-11	001	007	DO	-	*********	-	*********	8.3	6.5	-	*********	-	*********
VA0004049	10-Mar-11	001	007	DO	-	*********	-	*********	8.5	6.5	-	*********	-	*********
VA0004049	10-Apr-11	001	007	DO	-	*********	-	*********	7.4	6.5	-	*********	-	*********
VA0004049	10-May-11	001	007	DO	-	*********	-	*********	6.9	6.5	-	*********	-	*********
VA0004049	10-Jun-11	001	007	DO	-	*********	-	*********	6.7	6.5	-	*********	-	*********
VA0004049	10-Jul-11	001	007	DO	-	*********	-	*********	6.5	6.5	-	*********	-	*********
VA0004049	10-Aug-11	001	007	DO	-	*********	-	*********	6.6	6.5	-	*********	-	*********
VA0004049	10-Sep-11	001	007	DO	-	*********	-	*********	6.6	6.5	-	*********	-	*********
VA0004049	10-Oct-11	001	007	DO	-	*********	-	*********	6.7	6.5	-	*********	-	*********
VA0004049	10-Nov-11	001	007	DO	-	*********	-	*********	7.0	6.5	-	*********	-	*********
VA0004049	10-Dec-11	001	007	DO	-	*********	-	*********	8.2	6.5	-	*********	-	*********
VA0004049	10-Jan-12	001	007	DO	-	*********	-	*********	8.6	6.5	-	*********	-	*********
VA0004049	10-Feb-12	001	007	DO	-	*********	-	*********	9.1	6.5	-	*********	-	*********
VA0004049	10-Mar-12	001	007	DO	-	*********	-	*********	9.0	6.5	-	*********	-	*********
VA0004049	10-Apr-12	001	007	DO	-	*********	-	*********	7.9	6.5	-	*********	-	*********
VA0004049	10-May-12	001	007	DO	-	*********	-	*********	8	6.5	-	*********	-	*********
VA0004049	10-Jun-12	001	007	DO	-	*********	-	*********	7.36	6.5	-	*********	-	*********
VA0004049	10-Jul-12	001	007	DO	-	*********	-	*********	7.24	6.5	-	*********	-	*********
VA0004049	10-Aug-12	001	007	DO	-	*********	-	*********	6.8	6.5	-	*********	-	*********
VA0004049	10-Sep-12	001	007	DO	-	*********	-	*********	6.7	6.5	-	*********	-	*********
VA0004049	10-Oct-12	001	007	DO	-	*********	-	*********	7.4	6.5	-	*********	-	*********
VA0004049	10-Nov-12	001	007	DO	-	*********	-	*********	7.7	6.5	-	*********	-	*********
VA0004049	10-Dec-12	001	007	DO	-	*********	-	*********	8.9	6.5	-	*********	-	*********
VA0004049	10-Jan-13	001	007	DO	-	*********	-	*********	8.9	6.5	-	*********	-	*********
VA0004049	10-Feb-13	001	007	DO	-	*********	-	*********	8.6	6.5	-	*********	-	*********

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Mar-13	001	007	DO	-	**********	-	**********	8.1	6.5	-	**********	-	**********
VA0004049	10-Apr-13	001	007	DO	-	**********	-	**********	9.2	6.5	-	**********	-	**********
VA0004049	10-May-13	001	007	DO	-	**********	-	**********	7.6	6.5	-	**********	-	**********
VA0004049	10-Jun-13	001	007	DO	-	**********	-	**********	7.6	6.5	-	**********	-	**********
VA0004049	10-Jul-13	001	007	DO	-	**********	-	**********	7.4	6.5	-	**********	-	**********
VA0004049	10-Aug-13	001	007	DO	-	**********	-	**********	7.2	6.5	-	**********	-	**********
VA0004049	10-Sep-13	001	007	DO	-	**********	-	**********	6.8	6.5	-	**********	-	**********
VA0004049	10-Oct-13	001	007	DO	-	**********	-	**********	7.5	6.5	-	**********	-	**********
VA0004049	10-Nov-13	001	007	DO	-	**********	-	**********	7.7	6.5	-	**********	-	**********
VA0004049	10-Dec-13	001	007	DO	-	**********	-	**********	8.3	6.5	-	**********	-	**********
VA0004049	10-Jan-14	001	007	DO	-	**********	-	**********	8.3	6.5	-	**********	-	**********
VA0004049	10-Feb-14	001	007	DO	-	**********	-	**********	8.9	6.5	-	**********	-	**********
VA0004049	10-Mar-14	001	007	DO	-	**********	-	**********	8.9	6.5	-	**********	-	**********
VA0004049	10-Apr-14	001	007	DO	-	**********	-	**********	8.1	6.5	-	**********	-	**********
VA0004049	10-May-14	001	007	DO	-	**********	-	**********	8.3	6.5	-	**********	-	**********
VA0004049	10-Jun-14	001	007	DO	-	**********	-	**********	7.5	6.5	-	**********	-	**********
VA0004049	10-Jul-14	001	007	DO	-	**********	-	**********	7.2	6.5	-	**********	-	**********
VA0004049	10-Aug-14	001	007	DO	-	**********	-	**********	7.3	6.5	-	**********	-	**********
VA0004049	10-Sep-14	001	007	DO	-	**********	-	**********	7.2	6.5	-	**********	-	**********
VA0004049	10-Oct-14	001	007	DO	-	**********	-	**********	7.0	6.5	-	**********	-	**********
VA0004049	10-Nov-14	001	007	DO	-	**********	-	**********	7.5	6.5	-	**********	-	**********
VA0004049	10-Dec-14	001	007	DO	-	**********	-	**********	7.7	6.5	-	**********	-	**********
VA0004049	10-Jan-15	001	007	DO	-	**********	-	**********	8.3	6.5	-	**********	-	**********
VA0004049	10-Feb-15	001	007	DO	-	**********	-	**********	8.4	6.5	-	**********	-	**********
VA0004049	10-Mar-15	001	007	DO	-	**********	-	**********	9.8	6.5	-	**********	-	**********
VA0004049	10-Apr-15	001	007	DO	-	**********	-	**********	9.1	6.5	-	**********	-	**********
VA0004049	10-May-15	001	007	DO	-	**********	-	**********	8.5	6.5	-	**********	-	**********
VA0004049	10-Jun-15	001	007	DO	-	**********	-	**********	7.7	6.5	-	**********	-	**********
VA0004049	10-Jul-15	001	007	DO	-	**********	-	**********	-	6.5	-	**********	-	**********
VA0004049	10-Aug-15	001	007	DO	-	**********	-	**********	-	6.5	-	**********	-	**********

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Sep-15	001	007	DO	-	*********	-	*********	-	6.5	-	*********	-	*********
VA0004049	10-Oct-15	001	007	DO	-	*********	-	*********	-	6.5	-	*********	-	*********
VA0004049	10-Nov-15	001	007	DO	-	*********	-	*********	-	6.5	-	*********	-	*********
VA0004049	10-Dec-15	001	007	DO	-	*********	-	*********	-	6.5	-	*********	-	*********
VA0004049	10-Jan-16	001	007	DO	-	*********	-	*********	-	6.5	-	*********	-	*********
VA0004049	10-Jan-10	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.4	2.0	-	*********
VA0004049	10-Feb-10	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.8	2.0	-	*********
VA0004049	10-Mar-10	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	1	2.0	-	*********
VA0004049	10-Apr-10	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.9	2.0	-	*********
VA0004049	10-May-10	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.7	2.0	-	*********
VA0004049	10-Jun-10	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	1	2.0	-	*********
VA0004049	10-Jul-10	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	2	2.0	-	*********
VA0004049	10-Aug-10	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	2.0	2.0	-	*********
VA0004049	10-Sep-10	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	2	2.0	-	*********
VA0004049	10-Oct-10	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	1	2.0	-	*********
VA0004049	10-Nov-10	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	1	2.0	-	*********
VA0004049	10-Dec-10	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.6	2.0	-	*********
VA0004049	10-Jan-11	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.4	2.0	-	*********
VA0004049	10-Feb-11	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	1	NL	-	*********
VA0004049	10-Mar-11	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.6	NL	-	*********
VA0004049	10-Apr-11	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	<.07	NL	-	*********
VA0004049	10-May-11	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.1	NL	-	*********
VA0004049	10-Jun-11	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.30	NL	-	*********
VA0004049	10-Jul-11	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.28	NL	-	*********
VA0004049	10-Aug-11	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.40	NL	-	*********
VA0004049	10-Sep-11	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	2.59	NL	-	*********
VA0004049	10-Oct-11	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	1.26	NL	-	*********
VA0004049	10-Nov-11	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.56	NL	-	*********
VA0004049	10-Dec-11	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.14	NL	-	*********
VA0004049	10-Jan-12	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	<.10	NL	-	*********

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Feb-12	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	<.1	NL	-	*********
VA0004049	10-Mar-12	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.05	NL	-	*********
VA0004049	10-Apr-12	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.05	NL	-	*********
VA0004049	10-May-12	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.08	NL	-	*********
VA0004049	10-Jun-12	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.05	NL	-	*********
VA0004049	10-Jul-12	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.08	NL	-	*********
VA0004049	10-Aug-12	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.26	NL	-	*********
VA0004049	10-Sep-12	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.12	NL	-	*********
VA0004049	10-Oct-12	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.34	NL	-	*********
VA0004049	10-Nov-12	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.15	NL	-	*********
VA0004049	10-Dec-12	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.05	NL	-	*********
VA0004049	10-Jan-13	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.14	NL	-	*********
VA0004049	10-Feb-13	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.05	NL	-	*********
VA0004049	10-Mar-13	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.05	NL	-	*********
VA0004049	10-Apr-13	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.05	NL	-	*********
VA0004049	10-May-13	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.05	NL	-	*********
VA0004049	10-Jun-13	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.05	NL	-	*********
VA0004049	10-Jul-13	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.05	NL	-	*********
VA0004049	10-Aug-13	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.50	NL	-	*********
VA0004049	10-Sep-13	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.34	NL	-	*********
VA0004049	10-Oct-13	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.21	NL	-	*********
VA0004049	10-Nov-13	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.18	NL	-	*********
VA0004049	10-Dec-13	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.05	NL	-	*********
VA0004049	10-Jan-14	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.10	NL	-	*********
VA0004049	10-Feb-14	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.09	NL	-	*********
VA0004049	10-Mar-14	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.07	NL	-	*********
VA0004049	10-Apr-14	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.13	NL	-	*********
VA0004049	10-May-14	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.13	NL	-	*********
VA0004049	10-Jun-14	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.05	NL	-	*********
VA0004049	10-Jul-14	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.05	NL	-	*********

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Aug-14	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.11	NL	-	*********
VA0004049	10-Sep-14	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.09	NL	-	*********
VA0004049	10-Oct-14	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.27	NL	-	*********
VA0004049	10-Nov-14	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.09	NL	-	*********
VA0004049	10-Dec-14	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.15	NL	-	*********
VA0004049	10-Jan-15	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.12	NL	-	*********
VA0004049	10-Feb-15	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.20	NL	-	*********
VA0004049	10-Mar-15	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.14	NL	-	*********
VA0004049	10-Apr-15	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.14	NL	-	*********
VA0004049	10-May-15	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.10	NL	-	*********
VA0004049	10-Jun-15	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.13	NL	-	*********
VA0004049	10-Jul-15	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Aug-15	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Sep-15	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Oct-15	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Nov-15	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Dec-15	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Jan-16	001	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Jan-10	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	90	103	95	147
VA0004049	10-Feb-10	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	101	103	126	147
VA0004049	10-Mar-10	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	91	103	117	147
VA0004049	10-Apr-10	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	53	103	85	147
VA0004049	10-May-10	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	38	103	53	147
VA0004049	10-Jun-10	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	40	103	51	147
VA0004049	10-Jul-10	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	111	103	174	147
VA0004049	10-Aug-10	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	202	103	206	147
VA0004049	10-Sep-10	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	163	103	191	147
VA0004049	10-Oct-10	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	99	103	129	147
VA0004049	10-Nov-10	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	97	103	116	147
VA0004049	10-Dec-10	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	64	103	78	147

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Jan-11	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	52	103	64	147
VA0004049	10-Feb-11	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	45	NL	-	*********
VA0004049	10-Mar-11	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	24	NL	-	*********
VA0004049	10-Apr-11	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	9	NL	-	*********
VA0004049	10-May-11	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	3	NL	-	*********
VA0004049	10-Jun-11	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	3	NL	-	*********
VA0004049	10-Jul-11	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	2.71	NL	-	*********
VA0004049	10-Aug-11	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	21.04	NL	-	*********
VA0004049	10-Sep-11	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	27.02	NL	-	*********
VA0004049	10-Oct-11	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	15.99	NL	-	*********
VA0004049	10-Nov-11	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	4.93	NL	-	*********
VA0004049	10-Dec-11	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	8.26	NL	-	*********
VA0004049	10-Jan-12	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	2.41	NL	-	*********
VA0004049	10-Feb-12	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	3.38	NL	-	*********
VA0004049	10-Mar-12	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	4.90	NL	-	*********
VA0004049	10-Apr-12	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	7.21	NL	-	*********
VA0004049	10-May-12	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	11	NL	-	*********
VA0004049	10-Jun-12	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	6.67	NL	-	*********
VA0004049	10-Jul-12	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	1.78	NL	-	*********
VA0004049	10-Aug-12	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	4.36	NL	-	*********
VA0004049	10-Sep-12	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	1.48	NL	-	*********
VA0004049	10-Oct-12	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	3.76	NL	-	*********
VA0004049	10-Nov-12	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	1.10	NL	-	*********
VA0004049	10-Dec-12	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	1.38	NL	-	*********
VA0004049	10-Jan-13	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	3.52	NL	-	*********
VA0004049	10-Feb-13	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	2.39	NL	-	*********
VA0004049	10-Mar-13	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	2.50	NL	-	*********
VA0004049	10-Apr-13	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	2.50	NL	-	*********
VA0004049	10-May-13	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	2.00	NL	-	*********
VA0004049	10-Jun-13	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	4.39	NL	-	*********

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Jul-13	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	2.33	NL	-	*********
VA0004049	10-Aug-13	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	10.31	NL	-	*********
VA0004049	10-Sep-13	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	2.51	NL	-	*********
VA0004049	10-Oct-13	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	3.48	NL	-	*********
VA0004049	10-Nov-13	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	7.55	NL	-	*********
VA0004049	10-Dec-13	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	5.87	NL	-	*********
VA0004049	10-Jan-14	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	10.56	NL	-	*********
VA0004049	10-Feb-14	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	19.48	NL	-	*********
VA0004049	10-Mar-14	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	12.4	NL	-	*********
VA0004049	10-Apr-14	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	7.21	NL	-	*********
VA0004049	10-May-14	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	4.95	NL	-	*********
VA0004049	10-Jun-14	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	1.35	NL	-	*********
VA0004049	10-Jul-14	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	.72	NL	-	*********
VA0004049	10-Aug-14	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	1.39	NL	-	*********
VA0004049	10-Sep-14	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	1.10	NL	-	*********
VA0004049	10-Oct-14	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	1.26	NL	-	*********
VA0004049	10-Nov-14	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	1.11	NL	-	*********
VA0004049	10-Dec-14	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	1.89	NL	-	*********
VA0004049	10-Jan-15	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	2.61	NL	-	*********
VA0004049	10-Feb-15	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	1.92	NL	-	*********
VA0004049	10-Mar-15	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	2.0	NL	-	*********
VA0004049	10-Apr-15	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	2.70	NL	-	*********
VA0004049	10-May-15	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	3.01	NL	-	*********
VA0004049	10-Jun-15	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	2.07	NL	-	*********
VA0004049	10-Jul-15	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Aug-15	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Sep-15	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Oct-15	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Nov-15	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Dec-15	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	-	NL	-	*********

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Jan-16	001	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Jan-10	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.25	NL	-	*********
VA0004049	10-Feb-10	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.25	NL	-	*********
VA0004049	10-Mar-10	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.25	NL	-	*********
VA0004049	10-Apr-10	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.25	NL	-	*********
VA0004049	10-May-10	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.25	NL	-	*********
VA0004049	10-Jun-10	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.25	NL	-	*********
VA0004049	10-Jul-10	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.5	NL	-	*********
VA0004049	10-Aug-10	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.25	NL	-	*********
VA0004049	10-Sep-10	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.25	NL	-	*********
VA0004049	10-Oct-10	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	2	NL	-	*********
VA0004049	10-Nov-10	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.25	NL	-	*********
VA0004049	10-Dec-10	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.25	NL	-	*********
VA0004049	10-Jan-11	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	<.6	NL	-	*********
VA0004049	10-Feb-11	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.25	NL	-	*********
VA0004049	10-Mar-11	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	<2	NL	-	*********
VA0004049	10-Apr-11	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1	NL	-	*********
VA0004049	10-May-11	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	2	NL	-	*********
VA0004049	10-Jun-11	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1	NL	-	*********
VA0004049	10-Jul-11	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.46	NL	-	*********
VA0004049	10-Aug-11	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	<.49	NL	-	*********
VA0004049	10-Sep-11	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	<7.00	NL	-	*********
VA0004049	10-Oct-11	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	4.54	NL	-	*********
VA0004049	10-Nov-11	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.27	NL	-	*********
VA0004049	10-Dec-11	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.83	NL	-	*********
VA0004049	10-Jan-12	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.12	NL	-	*********
VA0004049	10-Feb-12	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.41	NL	-	*********
VA0004049	10-Mar-12	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.78	NL	-	*********
VA0004049	10-Apr-12	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.90	NL	-	*********
VA0004049	10-May-12	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.54	NL	-	*********

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Jun-12	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.77	NL	-	*********
VA0004049	10-Jul-12	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.13	NL	-	*********
VA0004049	10-Aug-12	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.34	NL	-	*********
VA0004049	10-Sep-12	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.4	NL	-	*********
VA0004049	10-Oct-12	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.20	NL	-	*********
VA0004049	10-Nov-12	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.10	NL	-	*********
VA0004049	10-Dec-12	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.08	NL	-	*********
VA0004049	10-Jan-13	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	3.45	NL	-	*********
VA0004049	10-Feb-13	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.65	NL	-	*********
VA0004049	10-Mar-13	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.11	NL	-	*********
VA0004049	10-Apr-13	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.16	NL	-	*********
VA0004049	10-May-13	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.10	NL	-	*********
VA0004049	10-Jun-13	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.88	NL	-	*********
VA0004049	10-Jul-13	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.87	NL	-	*********
VA0004049	10-Aug-13	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.43	NL	-	*********
VA0004049	10-Sep-13	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.25	NL	-	*********
VA0004049	10-Oct-13	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.52	NL	-	*********
VA0004049	10-Nov-13	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.89	NL	-	*********
VA0004049	10-Dec-13	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.13	NL	-	*********
VA0004049	10-Jan-14	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.91	NL	-	*********
VA0004049	10-Feb-14	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.53	NL	-	*********
VA0004049	10-Mar-14	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	3.5	NL	-	*********
VA0004049	10-Apr-14	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.12	NL	-	*********
VA0004049	10-May-14	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	2.47	NL	-	*********
VA0004049	10-Jun-14	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.88	NL	-	*********
VA0004049	10-Jul-14	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.60	NL	-	*********
VA0004049	10-Aug-14	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.01	NL	-	*********
VA0004049	10-Sep-14	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.81	NL	-	*********
VA0004049	10-Oct-14	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.10	NL	-	*********
VA0004049	10-Nov-14	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	.90	NL	-	*********

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Dec-14	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.54	NL	-	*********
VA0004049	10-Jan-15	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.69	NL	-	*********
VA0004049	10-Feb-15	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.56	NL	-	*********
VA0004049	10-Mar-15	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.64	NL	-	*********
VA0004049	10-Apr-15	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.29	NL	-	*********
VA0004049	10-May-15	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.77	NL	-	*********
VA0004049	10-Jun-15	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	1.38	NL	-	*********
VA0004049	10-Jul-15	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Aug-15	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Sep-15	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Oct-15	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Nov-15	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Dec-15	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Jan-16	001	068	TKN (N-KJEL)	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Feb-11	001	120	E.COLI	-	*********	-	*********	-	*********	<5	126	-	*********
VA0004049	10-Mar-11	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Apr-11	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-May-11	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Jun-11	001	120	E.COLI	-	*********	-	*********	-	*********	2	126	-	*********
VA0004049	10-Jul-11	001	120	E.COLI	-	*********	-	*********	-	*********	2	126	-	*********
VA0004049	10-Aug-11	001	120	E.COLI	-	*********	-	*********	-	*********	3.22	126	-	*********
VA0004049	10-Sep-11	001	120	E.COLI	-	*********	-	*********	-	*********	<2.1	126	-	*********
VA0004049	10-Oct-11	001	120	E.COLI	-	*********	-	*********	-	*********	5.4	126	-	*********
VA0004049	10-Nov-11	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Dec-11	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Jan-12	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Feb-12	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Mar-12	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Apr-12	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-May-12	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Jun-12	001	120	E.COLI	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Jul-12	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Aug-12	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Sep-12	001	120	E.COLI	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Oct-12	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Nov-12	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Dec-12	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Jan-13	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Feb-13	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Mar-13	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Apr-13	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-May-13	001	120	E.COLI	-	*********	-	*********	-	*********	<8	126	-	*********
VA0004049	10-Jun-13	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Jul-13	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Aug-13	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Sep-13	001	120	E.COLI	-	*********	-	*********	-	*********	<2	126	-	*********
VA0004049	10-Oct-13	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Nov-13	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Dec-13	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Jan-14	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Feb-14	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Mar-14	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Apr-14	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-May-14	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Jun-14	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Jul-14	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Aug-14	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Sep-14	001	120	E.COLI	-	*********	-	*********	-	*********	<4.7	126	-	*********
VA0004049	10-Oct-14	001	120	E.COLI	-	*********	-	*********	-	*********	12	126	-	*********
VA0004049	10-Nov-14	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Dec-14	001	120	E.COLI	-	*********	-	*********	-	*********	<7.5	126	-	*********
VA0004049	10-Jan-15	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Feb-15	001	120	E.COLI	-	*********	-	*********	-	*********	<1	126	-	*********
VA0004049	10-Mar-15	001	120	E.COLI	-	*********	-	*********	-	*********	3	126	-	*********
VA0004049	10-Apr-15	001	120	E.COLI	-	*********	-	*********	-	*********	24	126	-	*********
VA0004049	10-May-15	001	120	E.COLI	-	*********	-	*********	-	*********	5	126	-	*********
VA0004049	10-Jun-15	001	120	E.COLI	-	*********	-	*********	-	*********	3	126	-	*********
VA0004049	10-Jul-15	001	120	E.COLI	-	*********	-	*********	-	*********	-	126	-	*********
VA0004049	10-Aug-15	001	120	E.COLI	-	*********	-	*********	-	*********	-	126	-	*********
VA0004049	10-Sep-15	001	120	E.COLI	-	*********	-	*********	-	*********	-	126	-	*********
VA0004049	10-Oct-15	001	120	E.COLI	-	*********	-	*********	-	*********	-	126	-	*********
VA0004049	10-Nov-15	001	120	E.COLI	-	*********	-	*********	-	*********	-	126	-	*********
VA0004049	10-Dec-15	001	120	E.COLI	-	*********	-	*********	-	*********	-	126	-	*********
VA0004049	10-Jan-16	001	120	E.COLI	-	*********	-	*********	-	*********	-	126	-	*********
VA0004049	10-Jan-10	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<QL	16	<QL	22
VA0004049	10-Feb-10	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<QL	16	<QL	22
VA0004049	10-Mar-10	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<3	16	12	22
VA0004049	10-Apr-10	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<3	16	13	22
VA0004049	10-May-10	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<QL	16	<QL	22
VA0004049	10-Jun-10	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<QL	16	<QL	22
VA0004049	10-Jul-10	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<QL	16	<QL	22
VA0004049	10-Aug-10	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<QL	16	<QL	22
VA0004049	10-Sep-10	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<4	16	11	22
VA0004049	10-Oct-10	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<QL	16	<QL	22
VA0004049	10-Nov-10	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<QL	16	<QL	22
VA0004049	10-Dec-10	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<QL	16	<QL	22
VA0004049	10-Jan-11	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<QL	16	<QL	22
VA0004049	10-Feb-11	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<QL	16	<QL	22
VA0004049	10-Mar-11	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<QL	16	<QL	22
VA0004049	10-Apr-11	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<QL	16	<QL	22

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-May-11	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<QL	16	<QL	22
VA0004049	10-Jun-11	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	4	22
VA0004049	10-Jul-11	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<3	16	6	22
VA0004049	10-Aug-11	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<3	16	4	22
VA0004049	10-Sep-11	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<4	16	<5	22
VA0004049	10-Oct-11	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	4	22
VA0004049	10-Nov-11	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<3	16	<5	22
VA0004049	10-Dec-11	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<3	16	<4	22
VA0004049	10-Jan-12	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	2	22
VA0004049	10-Feb-12	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	2	22
VA0004049	10-Mar-12	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	<2	22
VA0004049	10-Apr-12	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	2	22
VA0004049	10-May-12	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	<2	22
VA0004049	10-Jun-12	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	3	16	3	22
VA0004049	10-Jul-12	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	2	22
VA0004049	10-Aug-12	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<3.4	16	7	22
VA0004049	10-Sep-12	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	3	16	4	22
VA0004049	10-Oct-12	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2.25	16	3	22
VA0004049	10-Nov-12	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	2	22
VA0004049	10-Dec-12	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	<2	22
VA0004049	10-Jan-13	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	<2	22
VA0004049	10-Feb-13	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	<2	22
VA0004049	10-Mar-13	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	<2	22
VA0004049	10-Apr-13	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	<2	22
VA0004049	10-May-13	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	<2	22
VA0004049	10-Jun-13	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	<2	22
VA0004049	10-Jul-13	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	<2	22
VA0004049	10-Aug-13	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	3	22
VA0004049	10-Sep-13	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	<2	22
VA0004049	10-Oct-13	001	203	COPPER, TOTAL RECOVEI	-	**********	-	**********	-	**********	<2	16	2	22

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Nov-13	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	<2	22
VA0004049	10-Dec-13	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	3	22
VA0004049	10-Jan-14	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	2	22
VA0004049	10-Feb-14	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	<2	22
VA0004049	10-Mar-14	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	<2	22
VA0004049	10-Apr-14	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<3	16	5	22
VA0004049	10-May-14	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	<2	22
VA0004049	10-Jun-14	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	<2	22
VA0004049	10-Jul-14	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<3	16	9	22
VA0004049	10-Aug-14	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	<2	22
VA0004049	10-Sep-14	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	<2	22
VA0004049	10-Oct-14	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	<2	22
VA0004049	10-Nov-14	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	2	22
VA0004049	10-Dec-14	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	<2	22
VA0004049	10-Jan-15	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	3	22
VA0004049	10-Feb-15	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	3	22
VA0004049	10-Mar-15	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	<2	22
VA0004049	10-Apr-15	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	3	22
VA0004049	10-May-15	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	<2	22
VA0004049	10-Jun-15	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	<2	16	2	22
VA0004049	10-Jul-15	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	-	16	-	22
VA0004049	10-Aug-15	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	-	16	-	22
VA0004049	10-Sep-15	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	-	16	-	22
VA0004049	10-Oct-15	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	-	16	-	22
VA0004049	10-Nov-15	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	-	16	-	22
VA0004049	10-Dec-15	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	-	16	-	22
VA0004049	10-Jan-16	001	203	COPPER, TOTAL RECOVEI	-	*********	-	*********	-	*********	-	16	-	22
VA0004049	10-Jan-10	001	380	TOXICITY, FINAL, CHRONI	-	*********	-	*********	-	*********	-	*********	1.000	1.724
VA0004049	10-Apr-10	001	380	TOXICITY, FINAL, CHRONI	-	*********	-	*********	-	*********	-	*********	1.000	1.724
VA0004049	10-May-10	001	380	TOXICITY, FINAL, CHRONI	-	*********	-	*********	-	*********	-	*********	<1.00	1.724

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Jul-10	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	<1.000	1.724
VA0004049	10-Oct-10	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	1.280	1.724
VA0004049	10-Jan-11	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	1.280	1.724
VA0004049	10-Apr-11	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	<1.000	1.724
VA0004049	10-Jul-11	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	1.724	1.724
VA0004049	10-Oct-11	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	1.000	1.724
VA0004049	10-Jan-12	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	1.000	1.724
VA0004049	10-Apr-12	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	1.0	1.724
VA0004049	10-Jul-12	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	1.000	1.724
VA0004049	10-Oct-12	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	1.0	1.724
VA0004049	10-Jan-13	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	1.000	1.724
VA0004049	10-Apr-13	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	1.000	1.724
VA0004049	10-Jul-13	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	<1.000	1.724
VA0004049	10-Oct-13	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	1	1.724
VA0004049	10-Jan-14	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	1.724	1.724
VA0004049	10-Apr-14	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	1.000	1.724
VA0004049	10-Jul-14	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	1.000	1.724
VA0004049	10-Oct-14	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	1.000	1.724
VA0004049	10-Jan-15	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	1.724	1.724
VA0004049	10-Apr-15	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	1.000	1.724
VA0004049	10-Jul-15	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	-	1.724
VA0004049	10-Oct-15	001	380	TOXICITY, FINAL, CHRONIC	-	*********	-	*********	-	*********	-	*********	-	1.724
VA0004049	10-Jan-11	001	389	NITRITE+NITRATE-N,TOTAL	-	-	-	-	-	-	51	-	63	-
VA0004049	10-Feb-11	001	389	NITRITE+NITRATE-N,TOTAL	-	*********	-	*********	-	*********	44	NL	49	NL
VA0004049	10-Mar-11	001	389	NITRITE+NITRATE-N,TOTAL	-	*********	-	*********	-	*********	22	NL	36	NL
VA0004049	10-Apr-11	001	389	NITRITE+NITRATE-N,TOTAL	-	*********	-	*********	-	*********	8	NL	16	NL
VA0004049	10-May-11	001	389	NITRITE+NITRATE-N,TOTAL	-	*********	-	*********	-	*********	1	NL	2	NL
VA0004049	10-Jun-11	001	389	NITRITE+NITRATE-N,TOTAL	-	*********	-	*********	-	*********	1.6	NL	2.7	NL
VA0004049	10-Jul-11	001	389	NITRITE+NITRATE-N,TOTAL	-	*********	-	*********	-	*********	1.25	NL	2.24	NL
VA0004049	10-Aug-11	001	389	NITRITE+NITRATE-N,TOTAL	-	*********	-	*********	-	*********	20.55	NL	25.70	NL

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Sep-11	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	20.02	NL	39.20	NL
VA0004049	10-Oct-11	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	11.45	NL	11.45	NL
VA0004049	10-Nov-11	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	3.66	NL	10.20	NL
VA0004049	10-Dec-11	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	7.43	NL	12.30	NL
VA0004049	10-Jan-12	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	1.29	NL	2.37	NL
VA0004049	10-Feb-12	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	1.97	NL	3.8	NL
VA0004049	10-Mar-12	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	3.13	NL	4.15	NL
VA0004049	10-Apr-12	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	6.31	NL	9.51	NL
VA0004049	10-May-12	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	10.27	NL	17.3	NL
VA0004049	10-Jun-12	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	5.95	NL	18.2	NL
VA0004049	10-Jul-12	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	.65	NL	2.07	NL
VA0004049	10-Aug-12	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	3.02	NL	11.6	NL
VA0004049	10-Sep-12	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	.08	NL	.08	NL
VA0004049	10-Oct-12	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	2.57	NL	4.69	NL
VA0004049	10-Nov-12	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	.90	NL	1.19	NL
VA0004049	10-Dec-12	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	.30	NL	.46	NL
VA0004049	10-Jan-13	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	.07	NL	.11	NL
VA0004049	10-Feb-13	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	.74	NL	1.16	NL
VA0004049	10-Mar-13	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	1.39	NL	1.46	NL
VA0004049	10-Apr-13	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	1.34	NL	1.48	NL
VA0004049	10-May-13	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	1.03	NL	1.05	NL
VA0004049	10-Jun-13	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	3.51	NL	5.50	NL
VA0004049	10-Jul-13	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	1.46	NL	1.54	NL
VA0004049	10-Aug-13	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	8.88	NL	9.36	NL
VA0004049	10-Sep-13	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	1.26	NL	1.68	NL
VA0004049	10-Oct-13	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	1.97	NL	3.02	NL
VA0004049	10-Nov-13	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	6.66	NL	7.13	NL
VA0004049	10-Dec-13	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	4.74	NL	9.21	NL
VA0004049	10-Jan-14	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	9.65	NL	13.70	NL
VA0004049	10-Feb-14	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	17.95	NL	22.9	NL

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Mar-14	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	8.9	NL	12.3	NL
VA0004049	10-Apr-14	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	6.08	NL	15.10	NL
VA0004049	10-May-14	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	2.48	NL	3.76	NL
VA0004049	10-Jun-14	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	.47	NL	.51	NL
VA0004049	10-Jul-14	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	.25	NL	.39	NL
VA0004049	10-Aug-14	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	.39	NL	.48	NL
VA0004049	10-Sep-14	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	.30	NL	.31	NL
VA0004049	10-Oct-14	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	.16	NL	.18	NL
VA0004049	10-Nov-14	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	.21	NL	.25	NL
VA0004049	10-Dec-14	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	.36	NL	.52	NL
VA0004049	10-Jan-15	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	.92	NL	1.43	NL
VA0004049	10-Feb-15	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	.37	NL	.48	NL
VA0004049	10-Mar-15	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	.36	NL	.39	NL
VA0004049	10-Apr-15	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	1.41	NL	2.21	NL
VA0004049	10-May-15	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	1.24	NL	1.87	NL
VA0004049	10-Jun-15	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	.69	NL	1.13	NL
VA0004049	10-Jul-15	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	-	NL	-	NL
VA0004049	10-Aug-15	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	-	NL	-	NL
VA0004049	10-Sep-15	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	-	NL	-	NL
VA0004049	10-Oct-15	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	-	NL	-	NL
VA0004049	10-Nov-15	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	-	NL	-	NL
VA0004049	10-Dec-15	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	-	NL	-	NL
VA0004049	10-Jan-16	001	389	NITRITE+NITRATE-N,TOTA	-	*********	-	*********	-	*********	-	NL	-	NL
VA0004049	10-Jun-10	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<QL	0.7	<QL	1.3
VA0004049	10-Jul-10	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.4	0.7	1.3	1.3
VA0004049	10-Aug-10	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.9	0.7	1.7	1.3
VA0004049	10-Sep-10	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	1.6	0.7	6.0	1.3
VA0004049	10-Oct-10	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	.3	0.7	.7	1.3
VA0004049	10-Nov-10	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<QL	0.7	<QL	1.3
VA0004049	10-Jun-11	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	< .1	0.7	.4	1.3

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Jul-11	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	.1	0.7	.21	1.3
VA0004049	10-Aug-11	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.3	0.7	1.1	1.3
VA0004049	10-Sep-11	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	.4	0.7	1.1	1.3
VA0004049	10-Oct-11	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.2	0.7	.3	1.3
VA0004049	10-Nov-11	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.2	0.7	<.2	1.3
VA0004049	10-Jun-12	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	.30	0.7	.38	1.3
VA0004049	10-Jul-12	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.2	0.7	<.2	1.3
VA0004049	10-Aug-12	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	.32	0.7	.83	1.3
VA0004049	10-Sep-12	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.13	0.7	.18	1.3
VA0004049	10-Oct-12	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.10	0.7	<.10	1.3
VA0004049	10-Nov-12	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.10	0.7	<.10	1.3
VA0004049	10-Jun-13	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.10	0.7	<.10	1.3
VA0004049	10-Jul-13	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.12	0.7	.15	1.3
VA0004049	10-Aug-13	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.10	0.7	<.10	1.3
VA0004049	10-Sep-13	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.10	0.7	.11	1.3
VA0004049	10-Oct-13	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.1	0.7	.1	1.3
VA0004049	10-Nov-13	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.10	0.7	<.10	1.3
VA0004049	10-Jun-14	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.1	0.7	<.1	1.3
VA0004049	10-Jul-14	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.13	0.7	.26	1.3
VA0004049	10-Aug-14	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.10	0.7	<.10	1.3
VA0004049	10-Sep-14	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.10	0.7	<.10	1.3
VA0004049	10-Oct-14	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.10	0.7	<.10	1.3
VA0004049	10-Nov-14	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.13	0.7	.23	1.3
VA0004049	10-Jun-15	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	<.10	0.7	<.10	1.3
VA0004049	10-Jul-15	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	-	0.7	-	1.3
VA0004049	10-Aug-15	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	-	0.7	-	1.3
VA0004049	10-Sep-15	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	-	0.7	-	1.3
VA0004049	10-Oct-15	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	-	0.7	-	1.3
VA0004049	10-Nov-15	001	427	AMMONIA, AS N MAY-OCT	-	*********	-	*********	-	*********	-	0.7	-	1.3
VA0004049	10-Jan-10	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<QL	1.7	<QL	2.7

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Feb-10	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<QL	1.7	<QL	2.7
VA0004049	10-Mar-10	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<1	1.7	2	2.7
VA0004049	10-Apr-10	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.1	1.7	.4	2.7
VA0004049	10-May-10	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<QL	1.7	<QL	2.7
VA0004049	10-Dec-10	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<QL	1.7	<QL	2.7
VA0004049	10-Jan-11	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.2	1.7	.7	2.7
VA0004049	10-Feb-11	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<QL	1.7	<QL	2.7
VA0004049	10-Mar-11	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<QL	1.7	<QL	2.7
VA0004049	10-Apr-11	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<QL	1.7	<QL	2.7
VA0004049	10-May-11	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.5	1.7	2	2.7
VA0004049	10-Dec-11	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.2	1.7	<.2	2.7
VA0004049	10-Jan-12	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.22	1.7	.29	2.7
VA0004049	10-Feb-12	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.38	1.7	.59	2.7
VA0004049	10-Mar-12	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	.5	1.7	.9	2.7
VA0004049	10-Apr-12	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	.47	1.7	.65	2.7
VA0004049	10-May-12	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.38	1.7	.58	2.7
VA0004049	10-Dec-12	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.1	1.7	<.1	2.7
VA0004049	10-Jan-13	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.2	1.7	.34	2.7
VA0004049	10-Feb-13	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.3	1.7	.9	2.7
VA0004049	10-Mar-13	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.11	1.7	.13	2.7
VA0004049	10-Apr-13	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.10	1.7	<.10	2.7
VA0004049	10-May-13	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.10	1.7	<.10	2.7
VA0004049	10-Dec-13	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.10	1.7	<.10	2.7
VA0004049	10-Jan-14	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.1	1.7	.2	2.7
VA0004049	10-Feb-14	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<1.1	1.7	3.16	2.7
VA0004049	10-Mar-14	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	3.7	1.7	14.6	2.7
VA0004049	10-Apr-14	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<1.5	1.7	1.7	2.7
VA0004049	10-May-14	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.11	1.7	.12	2.7
VA0004049	10-Dec-14	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.14	1.7	.22	2.7
VA0004049	10-Jan-15	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.10	1.7	.12	2.7

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Feb-15	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.12	1.7	.16	2.7
VA0004049	10-Mar-15	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.13	1.7	.19	2.7
VA0004049	10-Apr-15	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<10.2	1.7	32.4	2.7
VA0004049	10-May-15	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	<.10	1.7	<.10	2.7
VA0004049	10-Dec-15	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	-	1.7	-	2.7
VA0004049	10-Jan-16	001	428	AMMONIA, AS N NOV-APR	-	*********	-	*********	-	*********	-	1.7	-	2.7
VA0004049	10-Jan-10	001	500	OIL & GREASE	<QL	73	<QL	128	-	*********	<QL	8	<QL	14
VA0004049	10-Feb-10	001	500	OIL & GREASE	<QL	73	<QL	128	-	*********	<QL	8	<QL	14
VA0004049	10-Mar-10	001	500	OIL & GREASE	<QL	73	<QL	128	-	*********	<QL	8	<QL	14
VA0004049	10-Apr-10	001	500	OIL & GREASE	<QL	73	<QL	128	-	*********	<QL	8	<QL	14
VA0004049	10-May-10	001	500	OIL & GREASE	<QL	73	<QL	128	-	*********	<QL	8	<QL	14
VA0004049	10-Jun-10	001	500	OIL & GREASE	<QL	73	<QL	128	-	*********	<QL	8	<QL	14
VA0004049	10-Jul-10	001	500	OIL & GREASE	<QL	73	<QL	128	-	*********	<QL	8	<QL	14
VA0004049	10-Aug-10	001	500	OIL & GREASE	<QL	73	<QL	128	-	*********	<QL	8	<QL	14
VA0004049	10-Sep-10	001	500	OIL & GREASE	<12	73	61	128	-	*********	<1	8	6	14
VA0004049	10-Oct-10	001	500	OIL & GREASE	<QL	73	<QL	128	-	*********	<QL	8	<QL	14
VA0004049	10-Nov-10	001	500	OIL & GREASE	<QL	73	<QL	128	-	*********	<QL	8	<QL	14
VA0004049	10-Dec-10	001	500	OIL & GREASE	<QL	73	<QL	128	-	*********	<QL	8	<QL	14
VA0004049	10-Jan-11	001	500	OIL & GREASE	<QL	73	<QL	128	-	*********	<QL	8	<QL	14
VA0004049	10-Feb-11	001	500	OIL & GREASE	<QL	57	<QL	100	-	*********	<QL	8	<QL	14
VA0004049	10-Mar-11	001	500	OIL & GREASE	<QL	57	<QL	100	-	*********	<QL	8	<QL	14
VA0004049	10-Apr-11	001	500	OIL & GREASE	<QL	57	<QL	100	-	*********	<QL	8	<QL	14
VA0004049	10-May-11	001	500	OIL & GREASE	<QL	57	<QL	100	-	*********	<QL	8	<QL	14
VA0004049	10-Jun-11	001	500	OIL & GREASE	<36	57	<57	100	-	*********	<5	8	<5	14
VA0004049	10-Jul-11	001	500	OIL & GREASE	<37	57	<46	100	-	*********	<5	8	<5	14
VA0004049	10-Aug-11	001	500	OIL & GREASE	<34	57	<48	100	-	*********	<5	8	<5	14
VA0004049	10-Sep-11	001	500	OIL & GREASE	<36	57	<48	100	-	*********	<5	8	<5	14
VA0004049	10-Oct-11	001	500	OIL & GREASE	<35	57	<36	100	-	*********	<5	8	<5	14
VA0004049	10-Nov-11	001	500	OIL & GREASE	<32	57	<38	100	-	*********	<5	8	<5	14
VA0004049	10-Dec-11	001	500	OIL & GREASE	<34	57	<39	100	-	*********	<5	8	<5	14

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Jan-12	001	500	OIL & GREASE	<28	57	<37	100	-	*********	<5	8	<5	14
VA0004049	10-Feb-12	001	500	OIL & GREASE	<39	57	<51	100	-	*********	<5	8	<5	14
VA0004049	10-Mar-12	001	500	OIL & GREASE	<34	57	<37	100	-	*********	<5	8	<5	14
VA0004049	10-Apr-12	001	500	OIL & GREASE	<35	57	<39	100	-	*********	<5	8	<5	14
VA0004049	10-May-12	001	500	OIL & GREASE	<34	57	<53	100	-	*********	<5	8	<5	14
VA0004049	10-Jun-12	001	500	OIL & GREASE	<35	57	<40	100	-	*********	<5	8	<5	14
VA0004049	10-Jul-12	001	500	OIL & GREASE	<33	57	<40	100	-	*********	<5	8	<5	14
VA0004049	10-Aug-12	001	500	OIL & GREASE	<37	57	<39	100	-	*********	<5	8	<5	14
VA0004049	10-Sep-12	001	500	OIL & GREASE	<42	57	<59	100	-	*********	<5	8	<5	14
VA0004049	10-Oct-12	001	500	OIL & GREASE	<31	57	<48	100	-	*********	<5	8	<5	14
VA0004049	10-Nov-12	001	500	OIL & GREASE	<36	57	<49	100	-	*********	<5	8	<5	14
VA0004049	10-Dec-12	001	500	OIL & GREASE	<41	57	<49	100	-	*********	<5	8	<5	14
VA0004049	10-Jan-13	001	500	OIL & GREASE	<47	57	<63	100	-	*********	<5	8	5	14
VA0004049	10-Feb-13	001	500	OIL & GREASE	<42	57	<46	100	-	*********	<5	8	<5	14
VA0004049	10-Mar-13	001	500	OIL & GREASE	<39	57	<50	100	-	*********	<5	8	<5	14
VA0004049	10-Apr-13	001	500	OIL & GREASE	<37	57	<49	100	-	*********	<5	8	<5	14
VA0004049	10-May-13	001	500	OIL & GREASE	<39	57	<53	100	-	*********	<5	8	<5	14
VA0004049	10-Jun-13	001	500	OIL & GREASE	<37	57	<50	100	-	*********	<5	8	<5	14
VA0004049	10-Jul-13	001	500	OIL & GREASE	<39	57	<42	100	-	*********	<5	8	<5	14
VA0004049	10-Aug-13	001	500	OIL & GREASE	<35	57	<41	100	-	*********	<5	8	<5	14
VA0004049	10-Sep-13	001	500	OIL & GREASE	<38	57	<44	100	-	*********	<5	8	<5	14
VA0004049	10-Oct-13	001	500	OIL & GREASE	<42	57	<47	100	-	*********	<5	8	<5	14
VA0004049	10-Nov-13	001	500	OIL & GREASE	<41	57	<44	100	-	*********	<5	8	<5	14
VA0004049	10-Dec-13	001	500	OIL & GREASE	<28	57	<44	100	-	*********	<5	8	<5	14
VA0004049	10-Jan-14	001	500	OIL & GREASE	<35	57	<47	100	-	*********	<5	8	<5	14
VA0004049	10-Feb-14	001	500	OIL & GREASE	<40	57	<50	100	-	*********	<5	8	<5	14
VA0004049	10-Mar-14	001	500	OIL & GREASE	<38	57	<46	100	-	*********	<5	8	<5	14
VA0004049	10-Apr-14	001	500	OIL & GREASE	<31	57	<39	100	-	*********	<5	8	<5	14
VA0004049	10-May-14	001	500	OIL & GREASE	<31	57	<47	100	-	*********	<5	8	<5	14
VA0004049	10-Jun-14	001	500	OIL & GREASE	<38	57	<44	100	-	*********	<5	8	<5	14

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Jul-14	001	500	OIL & GREASE	<44	57	<54	100	-	*********	<5	8	<5	14
VA0004049	10-Aug-14	001	500	OIL & GREASE	<44	57	<57	100	-	*********	<5	8	<5	14
VA0004049	10-Sep-14	001	500	OIL & GREASE	<48	57	<58	100	-	*********	<5	8	<5	14
VA0004049	10-Oct-14	001	500	OIL & GREASE	<48	57	<68	100	-	*********	<5	8	<5	14
VA0004049	10-Nov-14	001	500	OIL & GREASE	<42	57	<44	100	-	*********	<5	8	<5	14
VA0004049	10-Dec-14	001	500	OIL & GREASE	<34	57	<48	100	-	*********	<5	8	<5	14
VA0004049	10-Jan-15	001	500	OIL & GREASE	<46	57	<59	100	-	*********	<5	8	<5	14
VA0004049	10-Feb-15	001	500	OIL & GREASE	<49	57	<57	100	-	*********	<5	8	<5	14
VA0004049	10-Mar-15	001	500	OIL & GREASE	<43	57	<55	100	-	*********	<5	8	<5	14
VA0004049	10-Apr-15	001	500	OIL & GREASE	<57	57	<69	100	-	*********	<5	8	<5	14
VA0004049	10-May-15	001	500	OIL & GREASE	<49	57	<54	100	-	*********	<5	8	<5	14
VA0004049	10-Jun-15	001	500	OIL & GREASE	<49	57	<53	100	-	*********	<5	8	<5	14
VA0004049	10-Jul-15	001	500	OIL & GREASE	-	57	-	100	-	*********	-	8	-	14
VA0004049	10-Aug-15	001	500	OIL & GREASE	-	57	-	100	-	*********	-	8	-	14
VA0004049	10-Sep-15	001	500	OIL & GREASE	-	57	-	100	-	*********	-	8	-	14
VA0004049	10-Oct-15	001	500	OIL & GREASE	-	57	-	100	-	*********	-	8	-	14
VA0004049	10-Nov-15	001	500	OIL & GREASE	-	57	-	100	-	*********	-	8	-	14
VA0004049	10-Dec-15	001	500	OIL & GREASE	-	57	-	100	-	*********	-	8	-	14
VA0004049	10-Jan-16	001	500	OIL & GREASE	-	57	-	100	-	*********	-	8	-	14
VA0004049	10-Jan-12	001	792	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	13.8	6.0	-	*********
VA0004049	10-Jan-13	001	792	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	4.44	6.0	-	*********
VA0004049	10-Jan-14	001	792	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	4.71	6.0	-	*********
VA0004049	10-Jan-15	001	792	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	4.65	6.0	-	*********
VA0004049	10-Jan-12	001	794	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	0.6	0.3	-	-
VA0004049	10-Jan-13	001	794	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.13	0.3	-	-
VA0004049	10-Jan-14	001	794	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	0.14	0.3	-	-
VA0004049	10-Jan-15	001	794	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	.11	0.3	-	-
VA0004049	10-Feb-11	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	49	NL
VA0004049	10-Mar-11	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	28	NL
VA0004049	10-Apr-11	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	26	NL

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-May-11	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	20	NL
VA0004049	10-Jun-11	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	17	NL
VA0004049	10-Jul-11	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	14.32	NL
VA0004049	10-Aug-11	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	15.28	NL
VA0004049	10-Sep-11	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	16.75	NL
VA0004049	10-Oct-11	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	16.66	NL
VA0004049	10-Nov-11	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	15.49	NL
VA0004049	10-Dec-11	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	14.83	NL
VA0004049	10-Jan-12	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	13.80	NL
VA0004049	10-Feb-12	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	3.38	NL
VA0004049	10-Mar-12	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	4	NL
VA0004049	10-Apr-12	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	5.16	NL
VA0004049	10-May-12	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	6.57	NL
VA0004049	10-Jun-12	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	6.59	NL
VA0004049	10-Jul-12	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	5.79	NL
VA0004049	10-Aug-12	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	5.59	NL
VA0004049	10-Sep-12	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	5.07	NL
VA0004049	10-Oct-12	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	5.15	NL
VA0004049	10-Nov-12	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	4.83	NL
VA0004049	10-Dec-12	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	4.52	NL
VA0004049	10-Jan-13	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	4.44	NL
VA0004049	10-Feb-13	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	2.39	NL
VA0004049	10-Mar-13	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	2.45	NL
VA0004049	10-Apr-13	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	2.46	NL
VA0004049	10-May-13	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	2.38	NL
VA0004049	10-Jun-13	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	2.78	NL
VA0004049	10-Jul-13	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	2.71	NL
VA0004049	10-Aug-13	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	3.79	NL
VA0004049	10-Sep-13	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	3.63	NL
VA0004049	10-Oct-13	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	3.61	NL

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Nov-13	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	4.01	NL
VA0004049	10-Dec-13	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	4.18	NL
VA0004049	10-Jan-14	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	4.71	NL
VA0004049	10-Feb-14	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	19.48	NL
VA0004049	10-Mar-14	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	15.92	NL
VA0004049	10-Apr-14	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	13.02	NL
VA0004049	10-May-14	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	11.0	NL
VA0004049	10-Jun-14	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	9.07	NL
VA0004049	10-Jul-14	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	7.73	NL
VA0004049	10-Aug-14	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	6.83	NL
VA0004049	10-Sep-14	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	6.11	NL
VA0004049	10-Oct-14	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	5.57	NL
VA0004049	10-Nov-14	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	5.13	NL
VA0004049	10-Dec-14	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	4.83	NL
VA0004049	10-Jan-15	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	4.65	NL
VA0004049	10-Feb-15	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	1.92	NL
VA0004049	10-Mar-15	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	1.96	NL
VA0004049	10-Apr-15	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	2.21	NL
VA0004049	10-May-15	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	2.41	NL
VA0004049	10-Jun-15	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	2.34	NL
VA0004049	10-Jul-15	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	-	NL
VA0004049	10-Aug-15	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	-	NL
VA0004049	10-Sep-15	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	-	NL
VA0004049	10-Oct-15	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	-	NL
VA0004049	10-Nov-15	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	-	NL
VA0004049	10-Dec-15	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	-	NL
VA0004049	10-Jan-16	001	805	NITROGEN, TOTAL (AS N)	-	*********	-	********	-	*********	-	*********	-	NL
VA0004049	10-Feb-11	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	2	NL
VA0004049	10-Mar-11	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	1.0	NL
VA0004049	10-Apr-11	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	<0.56	NL

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-May-11	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.4	NL
VA0004049	10-Jun-11	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.5	NL
VA0004049	10-Jul-11	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.45	NL
VA0004049	10-Aug-11	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.44	NL
VA0004049	10-Sep-11	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.71	NL
VA0004049	10-Oct-11	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.77	NL
VA0004049	10-Nov-11	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.75	NL
VA0004049	10-Dec-11	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.7	NL
VA0004049	10-Jan-12	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.65	NL
VA0004049	10-Feb-12	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	<.1	NL
VA0004049	10-Mar-12	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.05	NL
VA0004049	10-Apr-12	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.05	NL
VA0004049	10-May-12	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.06	NL
VA0004049	10-Jun-12	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.06	NL
VA0004049	10-Jul-12	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.06	NL
VA0004049	10-Aug-12	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.09	NL
VA0004049	10-Sep-12	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.09	NL
VA0004049	10-Oct-12	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.12	NL
VA0004049	10-Nov-12	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.12	NL
VA0004049	10-Dec-12	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.13	NL
VA0004049	10-Jan-13	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.13	NL
VA0004049	10-Feb-13	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.05	NL
VA0004049	10-Mar-13	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.05	NL
VA0004049	10-Apr-13	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.05	NL
VA0004049	10-May-13	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.05	NL
VA0004049	10-Jun-13	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.05	NL
VA0004049	10-Jul-13	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.05	NL
VA0004049	10-Aug-13	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.11	NL
VA0004049	10-Sep-13	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.14	NL
VA0004049	10-Oct-13	001	806	PHOSPHORUS, TOTAL (AS	-	**********	-	**********	-	**********	-	**********	.15	NL

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Nov-13	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.15	NL
VA0004049	10-Dec-13	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.14	NL
VA0004049	10-Jan-14	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.14	NL
VA0004049	10-Feb-14	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.09	NL
VA0004049	10-Mar-14	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.08	NL
VA0004049	10-Apr-14	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.10	NL
VA0004049	10-May-14	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.11	NL
VA0004049	10-Jun-14	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.096	NL
VA0004049	10-Jul-14	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.088	NL
VA0004049	10-Aug-14	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.09	NL
VA0004049	10-Sep-14	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.09	NL
VA0004049	10-Oct-14	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.11	NL
VA0004049	10-Nov-14	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.11	NL
VA0004049	10-Dec-14	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.11	NL
VA0004049	10-Jan-15	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.11	NL
VA0004049	10-Feb-15	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.20	NL
VA0004049	10-Mar-15	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.17	NL
VA0004049	10-Apr-15	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.16	NL
VA0004049	10-May-15	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.15	NL
VA0004049	10-Jun-15	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	.14	NL
VA0004049	10-Jul-15	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Aug-15	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Sep-15	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Oct-15	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Nov-15	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Dec-15	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Jan-16	001	806	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Jan-10	002	001	FLOW	-	*********	-	NL	-	*********	-	*********	-	*********
VA0004049	10-Apr-10	002	001	FLOW	-	*********	X	NL	-	*********	-	*********	-	*********
VA0004049	10-Jul-10	002	001	FLOW	-	*********	-	NL	-	*********	-	*********	-	*********

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Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Oct-10	002	001	FLOW	-	*********	-	NL	-	*********	-	*********	-	*********
VA0004049	10-Jan-11	002	001	FLOW	-	*********	-	NL	-	*********	-	*********	-	*********
VA0004049	10-Jan-10	002	002	pH	-	*********	-	*********	-	6.0	-	*********	-	9.0
VA0004049	10-Apr-10	002	002	pH	-	*********	-	*********	X	6.0	-	*********	X	9.0
VA0004049	10-Jul-10	002	002	pH	-	*********	-	*********	-	6.0	-	*********	-	9.0
VA0004049	10-Oct-10	002	002	pH	-	*********	-	*********	-	6.0	-	*********	-	9.0
VA0004049	10-Jan-11	002	002	pH	-	*********	-	*********	-	6.0	-	*********	-	9.0
VA0004049	10-Jan-10	002	003	BOD5	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Apr-10	002	003	BOD5	-	*********	-	*********	-	*********	-	*********	X	NL
VA0004049	10-Jul-10	002	003	BOD5	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Oct-10	002	003	BOD5	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Jan-11	002	003	BOD5	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Jan-10	002	004	TSS	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Apr-10	002	004	TSS	-	*********	-	*********	-	*********	-	*********	X	NL
VA0004049	10-Jul-10	002	004	TSS	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Oct-10	002	004	TSS	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Jan-11	002	004	TSS	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Jan-10	002	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Apr-10	002	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	X	NL	-	*********
VA0004049	10-Jul-10	002	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Oct-10	002	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Jan-11	002	006	COLIFORM, FECAL	-	*********	-	*********	-	*********	-	NL	-	*********
VA0004049	10-Jan-10	002	007	DO	-	*********	-	*********	-	NL	-	*********	-	*********
VA0004049	10-Apr-10	002	007	DO	-	*********	-	*********	X	NL	-	*********	-	*********
VA0004049	10-Jul-10	002	007	DO	-	*********	-	*********	-	NL	-	*********	-	*********
VA0004049	10-Oct-10	002	007	DO	-	*********	-	*********	-	NL	-	*********	-	*********
VA0004049	10-Jan-11	002	007	DO	-	*********	-	*********	-	NL	-	*********	-	*********
VA0004049	10-Jan-10	002	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Apr-10	002	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	X	NL
VA0004049	10-Jul-10	002	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	-	NL

Permit No	Due Date	DMR Out#	pram	Parameter Description	qavg	Lim-Avg	qmax	Lim-Max	cmini	Lim-Min	cavg	Lim-Avg	cmax	Lim-Max
VA0004049	10-Oct-10	002	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Jan-11	002	012	PHOSPHORUS, TOTAL (AS	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Jan-10	002	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Apr-10	002	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	-	*********	X	NL
VA0004049	10-Jul-10	002	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Oct-10	002	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Jan-11	002	013	NITROGEN, TOTAL (AS N)	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Jan-10	002	500	OIL & GREASE	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Apr-10	002	500	OIL & GREASE	-	*********	-	*********	-	*********	-	*********	X	NL
VA0004049	10-Jul-10	002	500	OIL & GREASE	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Oct-10	002	500	OIL & GREASE	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Jan-11	002	500	OIL & GREASE	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Jan-10	002	752	AMMONIA NITROGEN	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Apr-10	002	752	AMMONIA NITROGEN	-	*********	-	*********	-	*********	-	*********	X	NL
VA0004049	10-Jul-10	002	752	AMMONIA NITROGEN	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Oct-10	002	752	AMMONIA NITROGEN	-	*********	-	*********	-	*********	-	*********	-	NL
VA0004049	10-Jan-11	002	752	AMMONIA NITROGEN	-	*********	-	*********	-	*********	-	*********	-	NL