

8570 Executive Park Avenue, Fairfax, Virginia 22031-2218 www.fairfaxwater.org

PRODUCTION DIVISION
Joel L. Thompson
Director
(703) 289-6537

Fax (703) 289-6535

VDEQ Delivery:
Date:
Printed Name:

September 2, 2020

Subject: Application VPDES Permit VA 0002585, Griffith Treatment Plant, Fairfax Water

Dear Ms. Thompson:

Enclosed please find one original application packet for the reissuance of the above-referenced permit to include the following forms and attachments: Form 1; Form 2C; Form 2F, VPDES Permit Application Addendum, Public Notice Billing Information Form, and the results of Water Quality Criteria Monitoring (Attachment A) for Outfall #001.

Please note that the water plant operations have not changed significantly since the 2016 permit reissuance. The former Lorton WTP site has been completely regraded by Vulcan Materials Co. under a Fairfax County-approved Site Plan. This has impacted the contributing storm water drainage areas to Outfalls 001 and 002, as addressed in Form 2F. In addition, water quality instruments using reagents at Outfall 008 were removed in 2017. As such, the discharge at Outfall 008 is only a raw water sample of the Occoquan Reservoir, and Fairfax Water requests DEQ's consideration in reducing the monitoring requirements of this outfall during the next permit cycle.

Please advise us as to when you consider our application to be complete. We also request a copy of the preliminary Draft Permit before it is released for comment. Please contact A-J Wangner at (703) 641-6633 or awangner@fairfaxwater.org if you have any questions or concerns.

Sincerely,

Joel L. Thompson
Director of Production

Attachment

Electronic copy sent to Alison Thompson, DEQ

Cc: Greg Prelewicz, PE, Manager, Planning Department / P&E Permit Files
A-J Wangner, PE, Griffith Plant Engineer, Fairfax Water / GTP Permit Files

LIST OF ATTACHMENTS

- 1. Public Notice Billing Information Form
- 2. VPDES Permit Application Addendum
- 3. EPA General Form 1
 - a. Figure 1-7.1A: Location Map
 - b. Figure 1-7.1B: Topographic Map
- 4. EPA Form 2C (Outfalls 001, 007, 008, 009)
 - a. Figure 2C-2.1: Flow Schematic for Griffith Water Treatment Facilities
 - b. Table 2C-3.1: Outfall Descriptions
 - c. Table 2C-4.2: Outfall Intermittent or Seasonal Discharges
 - d. Tech Memo 2C-6.3: Pollutant Control at Outfall 008
 - e. Table 2C-8.2: Substances Stored and Used at Facility
 - f. Water Quality Criteria Monitoring for Outfall 001 (Permit "Attachment A")
- 5. EPA Form 2F (Outfalls 001, 002, 003, 004, 005, 006)
 - a. Tech Memo 2F-2.3: Storm Water Outfall Improvements
 - b. Figure 2F-3.1: Griffith Water Plant Site Drainage Map
 - c. Table 2F-4.1: Description of Storm Water Outfalls
 - d. Table 2F-4.3: Storm Water Outfalls Control and Treatment
 - e. Table 2F-6.1: Reported Spills and Leaks

PUBLIC NOTICE BILLING INFORMATION

I hereby authorize the Virginia Department of Environmental Quality to have the cost of publishing a public notice billed to the Agent/Department shown below. The public notice will be published once a week for two consecutive weeks in accordance with 9VAC25-31-290.C.2.

Agents/Department to be billed:	Fairtax water
Owner:	Fairfax Water
Applicant's Address:	9600 Ox Road
	Lorton, VA 22079
Agent's Telephone Number:	(703) 641-6633
Attention:	A.J. Wangner
Authorizing Agent:	MlS Signature
Authorizing Agent Name:	Joel L. Thompson, Director of Production

VPDES Permit VA0002585 Fairfax Water – Griffith WTP

Please return to:

Alison Thompson VA-DEQ, NRO 13901 Crown Court Woodbridge, VA 22193-1453 Fax: (703) 583-3821

Permit #: VA0002585

VPDES Permit Application Addendum

1. Entity to whom the permit is to be issued: Fairfax County Water Authority (Fairfax Water) Who will be legally responsible for the wastewater treatment facilities and compliance with the permit? This may or may not be the facility or property owner.
2. Is this facility located within city or town boundaries? Yes No
 3. Provide the tax map parcel number for the land where the discharge is located. PIN: 1122.01.0009 4. For the facility to be covered by this permit, how many acres will be disturbed during the next five years due to new construction activities? less than 5 acres (segmented)
5. What is the design average effluent flow of this facility? 5.8 MGD For industrial facilities, provide the max. 30-day average production level, include units:
Municipal Water Treatment Plant producing potable water with a 2019, max 30-day average production rate of 76 MGD
In addition to the design flow or production level, should the permit be written with limits for any other discharge flow tiers or production levels? Yes No
If "Yes", please identify the other flow tiers (in MGD) or production levels:
Please consider the following questions for both the flow tiers and the production levels (if applicable): Do you plan to expand operations during the next five years? Is your facility's design flow considerably greater than your current flow?
6. Nature of operations generating wastewater:
Municipal Water Treatment, See Form 2C
0 % of flow from domestic connections/sources Number of private residences to be served by the treatment 100 % of flow from non-domestic connections/sources
7. Mode of discharge: Continuous Intermittent Seasonal Describe frequency and duration of intermittent or seasonal discharges: See Form 2C
8. Identify the characteristics of the receiving stream at the point just above the facility's discharge point:
X Permanent stream, never dry Outfalls 001, 007, 008, 009
Intermittent stream, usually flowing, sometimes dry
Ephemeral stream, wet-weather flow, often dry
$\underline{\underline{X}}$ Effluent-dependent stream, usually or always dry without effluent Outfalls 003, 004, 005
X Lake or pond at or below the discharge point Outfalls 002 and 006
Other:

9. Approval Date(s): O & M Manual November 2016 (DEQ Facility technical & Lab Inspection) Sludge/Solids Management Plan Have there been any changes in your operations or procedures since the above approval dates? Yes No No Privately Owned Treatment Works If this application is for a privately owned treatment works serving, or designed to serve, 50 or more residences, you must include with your application notification from the State Corporation

Commission that you are incorporated in the Commonwealth and verification from the SCC that you are in compliance with all regulations and relevant orders of the State Corporation Commission. Incorporated also includes Limited Liability Companies (LLCs), Limited Partnerships (LPs) and

certificates of authority. 11. Consent to receive electronic mail

The Department of Environmental Quality (DEQ) may deliver permits and certifications (this includes permit issuances, reissuances, modifications, revocation and reissuances, terminations and denials) to recipients, including applicants or permittees, by electronically certified mail where the recipients notify DEQ of their consent to receive mail electronically (§ 10.1-1183). Check *only one* of the following to consent to or decline receipt of electronic mail from DEQ as follows:

Applicant or permittee declines to receive by electronic mail the permit that may be issued for the proposed pollutant management activity.

12. Financial Assurance/Closure [NA]

The Financial Assurance Regulation, <u>9VAC25-650</u> applies to all privately owned sewerage systems that treat sewage generated by private residences and discharge more than 1,000 gallons per day and less than 40,000 gallons per day. A private residence is defined as any building, buildings or part of a building owned by a private entity which serves as a permanent residence where sewage is generated. It does not apply to hotels, motels, seasonal camps and industrial facilities that do not serve as permanent residences. The regulation requires that a closure plan, a cost estimate and a financial assurance mechanism be in place. If financial assurance/cost estimate/closure plan requirement is applicable to this facility please review the following:

For reissuances (existing facilities):

The Financial Assurance Regulation <u>9VAC25-650</u> also requires that the permittee review the closure plan and cost estimate at the end of the VPDES permit term and that the permittee submit the plan, the cost estimate and a written summary of their review, and of any modifications to the plan, concurrently with

this application for permit reissuance. If the permittee's review of the closure plan and cost estimate result in changes to the cost estimate greater than that which would result from the required annual inflationary adjustment per the permit's special condition and <u>9VAC25-650-30 B</u>, the resulting increase to the existing financial assurance mechanism should be made.

Review and update if necessary, the closure plan, cost estimate and financial assurance mechanism per the last annual inflationary adjustment or today if changed from last annual inflationary adjustment. Send to the DEQ Office of Financial Responsibility at the address below via tracked mail.

For issuances (new facilities or facilities not built):

Include the closure plan, cost estimate and financial assurance mechanism with this application to the following address via UPS, FEDEX or USPS tracked mail:

Department of Environmental Quality
Office of Financial Responsibility and Waste Programs
P.O. Box 1105
Richmond, VA 23218

You may use the attached suggested wording for closure plan permanent facility closure, 24 month contract operation and closure plan third party implementation agreement. Also include the signed application for closure plan approval. Questions about these financial assurance and closure requirements may be directed to Suzanne Taylor at (804) 698-4146.

This page intentionally left blank.

Print All Pages

Print Form Only

EPA Form 3510-1 Revised March 2019

United States Environmental Protection Agency

Water Permits Division



Application Form 1 General Information

Office of Water

Washington, D.C.

NPDES Permitting Program

Note: All applicants to the National Pollutant Discharge Elimination System (NPDES) permits program, with the exception of publicly owned treatment works and other treatment works treating domestic sewage, must complete Form 1. Additionally, all applicants must complete one or more of the following forms: 2B, 2C, 2D, 2E, or 2F. To determine the specific forms you must complete, consult the "General Instructions" for this form.

Form Approved 03/05/19 OMB No. 2040-0004

EPA Identification Number NPDES Permit Number Facility Name VAR000512939 VA0002585 **Griffith Water Treatment Plant**

U.S. Environmental Protection Agency

Form 1		EPA	Application for NPDES Permit to Discharge Wastewater						
NPDES				GE	NERAL	INFORMATIC	N		
SECTIO	N 1. ACT	TIVITIES REQUI	RING AN NPDES PER	RMIT (40 CFR 12	2.21(f) an	d (f)(1))			
	1.1	Applicants No	t Required to Submi	t Form 1					
	1.1.1	treatment wor	Oo NOT complete	cly owned ☑ No	1.1.2	Is the facility a treating dome If yes, STOP. I complete Form Form 2S.	Oo NOT	atment	t works No
	1.2	Applicants Re	quired to Submit Fo	rm 1					
PDES Permit	1.2.1	Is the facility a operation or a production fac	concentrated animal concentrated aquati	l feeding	1.2.2	commercial, min currently disch ✓ Yes → (existing manufact ning, or silvicultural narging process w Complete Form and Form 2C.	facility astew	
Activities Requiring an NPDES Permit	1.2.3	Is the facility a mining, or silvic commenced to Yes	new manufacturing, c	·	1.2.4	Is the facility a recommercial, mindischarges on Yes	new or existing maning, or silvicultural	facilit stewat	y that
Activities	1.2.5	discharge is co associated wire discharge is co non-stormwat Yes O	new or existing facilimposed entirely of stoth industrial activity mposed of both storrer? Complete Form 1 and Form 2F unless exempted by 40 CFR 122.26(b)(14)(x) or (b)(15).	ormwater or whose					
SECTIO	N 2. NAN		DRESS, AND LOCA	TION (40 CFR 12	2.21(f)(2)				
	2.1	Facility Name							
		Griffith Water T	reatment Plant - Fairf	ax Water					
tion	2.2	EPA Identifica	tion Number						
ıd Loca		VAR000512939							
, an	2.3	Facility Conta	ct						
Name, Mailing Address, and Location		Name (first and Alden-John W. V	•	Title Sr. Plant Enginee	r		Phone number (703) 641-6633		
/ailing		Email address awangner@fair	faxwater.org						
Je, Γ	2.4	Facility Mailin	g Address						
Nam		Street or P.O. b 9600 Ox Road							
		City or town Lorton		State VA			ZIP code 22079		

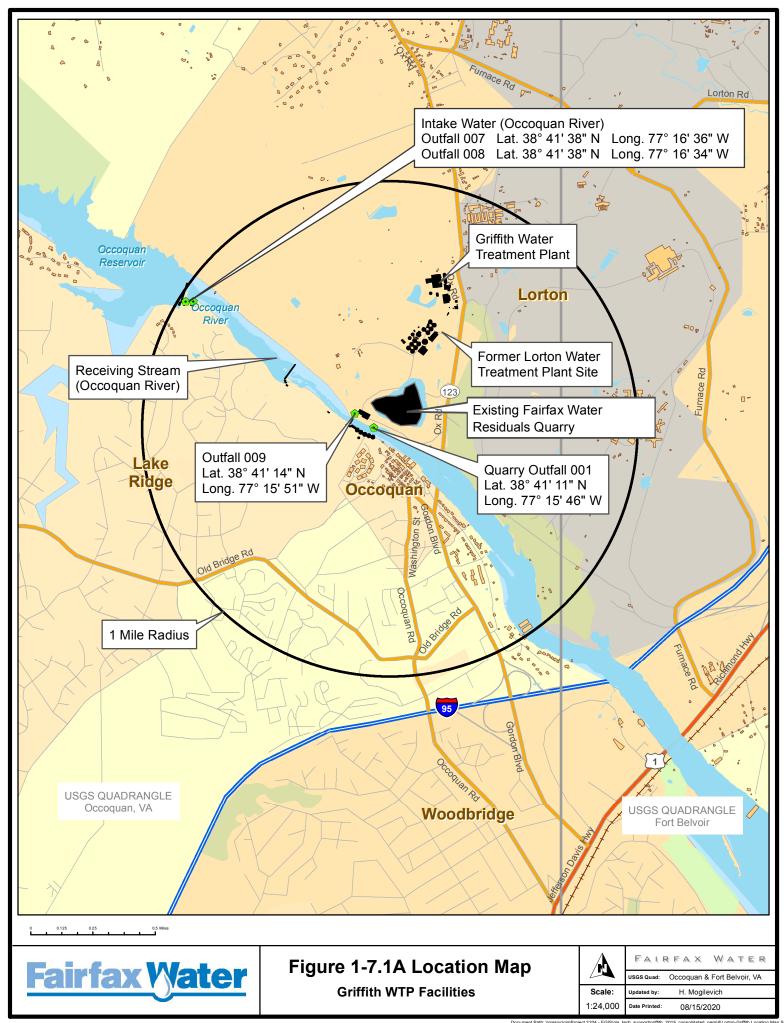
EPA Form 3510-1 (revised 3-19) Page 1

	A Identificat VAR0005	cation Number NPDES Permit Number Facility Name 0512939 VA0002585 Griffith Water Treatment Pla			Form Approved 03/05/19 OMB No. 2040-0004		
s,	2.5	Facility Location	on				
Name, Mailing Address, and Location Continued			umber, or other s	pecific identifier			
Mailing cation (County name Fairfax County		County code (i	f known)		
Name, and Lo		City or town Lorton		State VA			IP code 2079
SECTIO	N 3. SIC	AND NAICS CO	DES (40 CFR 12	2.21(f)(3))			
	3.1	SIC C	ode(s)	Description (c	optional)		
		4941		Water Supply			
S		NA					
ode		NA					
IICS C	 <u></u>	NA					
N N	3.2	NAICS	Code(s)	Description (c	optional)		
SIC and NAICS Codes	 	221310		water treatmer	nt and distribution		
S	 						
SECTIO		ERATOR INFORM		R 122.21(f)(4))			
SECTIO	N 4. OPE 4.1	Name of Opera	ator				
	4.1	Name of Opera Fairfax County V	ator Water Authority ((Fairfax Water)			
		Name of Opera Fairfax County V Is the name you	ator Water Authority of the state of the sta		?		
	4.1	Name of Opera Fairfax County V Is the name you Yes	ator Water Authority (u listed in Item 4. No	(Fairfax Water)	?		
	4.1	Name of Opera Fairfax County V Is the name you ✓ Yes Operator Statu	ator Water Authority of u listed in Item 4. No	(Fairfax Water) 1 also the owner?	?	Other pub	lia (angaifu) County utility
	4.1	Name of Opera Fairfax County V Is the name you Yes Operator Statu Public—fec	ator Water Authority of u listed in Item 4. No	(Fairfax Water) 1 also the owner? Public—state	?	✓ Other pub	olic (specify)_County utility
Operator Information OILO	4.2	Name of Opera Fairfax County V Is the name you ✓ Yes Operator Statu □ Public—fect □ Private	water Authority of the state of	(Fairfax Water) 1 also the owner?	?	✓ Other pub	lic (specify)_County utility
	4.1	Name of Opera Fairfax County V Is the name you Yes Operator Statu Public—fec	water Authority of the state of	(Fairfax Water) 1 also the owner? Public—state	?	✓ Other pub	lic (specify) County utility
Operator Information	4.2	Name of Opera Fairfax County V Is the name you Yes Operator Statu Public—fec Private Phone Number	Ator Water Authority of unlisted in Item 4. No US Derail	(Fairfax Water) 1 also the owner? Public—state	?	✓ Other pub	lic (specify) County utility
Operator Information	4.1 4.2 4.3	Name of Opera Fairfax County V Is the name you ✓ Yes Operator Statu ─ Public—fec ─ Private Phone Number (703) 289-6000 Operator Addr Street or P.O. E	Water Authority of unlisted in Item 4. No US Discontinuous of Operator Tess Box	(Fairfax Water) 1 also the owner? Public—state	?	✓ Other pub	lic (specify)_County utility
Operator Information	4.1 4.2 4.3	Name of Opera Fairfax County V Is the name you Yes Operator Statu Public—fec Private Phone Number (703) 289-6000 Operator Addr Street or P.O. E 8570 Executive I	Water Authority of unlisted in Item 4. No US Discontinuous of Operator Tess Box	(Fairfax Water) 1 also the owner? Public—state Other (specify)	?		
Operator Information	4.1 4.2 4.3	Name of Opera Fairfax County V Is the name you ✓ Yes Operator Statu ─ Public—fec ─ Private Phone Number (703) 289-6000 Operator Addr Street or P.O. E	Water Authority of unlisted in Item 4. No US Discontinuous of Operator Tess Box	(Fairfax Water) 1 also the owner? Public—state	?		^o code
Operator Information	4.1 4.2 4.3	Rame of Opera Fairfax County V Is the name you Yes Operator Statu Public—fec Private Phone Number (703) 289-6000 Operator Addr Street or P.O. E 8570 Executive I City or town Fairfax Email address of	Ator Water Authority of unlisted in Item 4. No US deral Or of Operator Tess Box Park Avenue	(Fairfax Water) 1 also the owner? Public—state Other (specify) State VA		ZIF	^o code
ation Operator Information	4.1 4.2 4.3	Rame of Opera Fairfax County V Is the name you Yes Operator Statu Public—fec Private Phone Number (703) 289-6000 Operator Addr Street or P.O. E 8570 Executive I City or town Fairfax Email address of	Ator Water Authority of unlisted in Item 4. No US deral Or of Operator Tess Box Park Avenue	(Fairfax Water) 1 also the owner? Public—state Other (specify)		ZIF	^o code
Operator Information Continued	4.1 4.2 4.3 4.4 4.5	Rame of Opera Fairfax County V Is the name you Yes Operator Statu Public—fec Private Phone Number (703) 289-6000 Operator Addr Street or P.O. E 8570 Executive I City or town Fairfax Email address of	water Authority of u listed in Item 4. No IS IS IS IS IS IS IS IS IS I	(Fairfax Water) 1 also the owner? Public—state Other (specify) State VA		ZIF	^o code
Operator Information Continued	4.1 4.2 4.3 4.4 4.5	Name of Opera Fairfax County V Is the name you Yes Operator Statu Public—fec Private Phone Number (703) 289-6000 Operator Addr Street or P.O. E 8570 Executive I City or town Fairfax Email address of awangner@fairf	water Authority of u listed in Item 4. No IS IS IS IS IS IS IS IS IS I	(Fairfax Water) 1 also the owner? Public—state Other (specify) State VA Oneway@fairfaxw		ZIF	^o code

EPA Form 3510-1 (revised 3-19)
Page 2

EP/							Form Approved 03/05/19	
,	VAR0005	12939	VA0002585	5	Griffit	h Water Treatment Pl	ant	OMB No. 2040-0004
SECTIO	N 6. EXIS	STING ENVIRON	I NMENTAL PERMITS (40 CFR 122	.21(f)(6	11		
	6.1		`	•	. , , ,	'	respo	onding permit number for each)
nmenta]	ischarges to surface	RCRA (hazardous wastes) VAR000512939; VAR000515429				UIC (underground injection of fluids)
ing Enviroi Permits		PSD (air e				program (CAA)		NESHAPs (CAA)
Exist		Ocean dur	mping (MPRSA)	Dredge	or fill (CWA Section 404)	V	Other (specify) VAR000517391 (RCRA)
SECTIO	N 7. MAF	(40 CFR 122.2°	1(f)(7))					
Мар	7.1	specific require	ements.)			ired information to this quirements in Form 2B		ication? (See instructions for
0-0-10	V A .V.A				See le	quirements in Form 25	·. <i>)</i>	
SECTIO			· · · · · · · · · · · · · · · · · · ·					
Nature of Business	8.1	The Griffith of GWTP replaced respectively). To consumption unthis application includes processoverland storm screened wash	Describe the nature of your business. The Griffith Water Treatment Plant (GWTP) drinking water treatment facility was completed in May 2006. The GWTP replaced the former Lorton (Old and New) and Occoquan Water Treatment Plants (LWTP and OWTP, respectively). The GWTP has a max. capacity of 126 MGD and produces and distributes potable water for public consumption using the Occoquan Reservoir as a raw water supply. This application is for the discharge of supernatant from an abandoned, Fairfax Water-owned quarry which includes process wastewater discharge from the GWTP and Griffith Raw Water Pump Station (GRWPS) and some overland storm water runoff. The quarry capacity is approximately 068 billion gallons. Other discharges include screened wash water and raw sampling water at the Occoquan High Dam raw water intake, and the GWTP also discharges storm water associated with industrial activity at five storm water outfalls at the facility.					
SECTIO			NTAKE STRUCTURE		22.21(f)(9))		
	9.1	Does your facil	ity use cooling water?					
r		☐ Yes 🗹	No → SKIP to Item	10.1.				
Cooling Water Intake Structures	9.2	Identify the source of cooling water. (Note that facilities that use a cooling water intake structure as described at 40 CFR 125, Subparts I and J may have additional application requirements at 40 CFR 122.21(r). Consult with your NPDES permitting authority to determine what specific information needs to be submitted and when.)						
SECTIO	N 10. VA	RIANCE REQUI	ESTS (40 CFR 122.21	(f)(10))				
Variance Requests	10.1	apply. Consult when.) Fundam Section Non-cor	with your NPDES perronally different factors 301(n)) eventional pollutants (0 301(c) and (g))	mitting author		etermine what informa	tion n efflue	R 122.21(m)? (Check all that eeds to be submitted and ent limitations (CWA Section Section 316(a))

	VAR000512939 VA0002585 Griffit			Griffith V		Treatment Plant	OMB No. 2040-0004			
SECTIO	N 11. CH	ECKLIST AND	CERTIFICATION STATEMENT (4	0 CFR 122	2.22(a)	and (d))				
	11.1	For each secti		ments that	at you have completed and are submitting with your application. ents that you are enclosing to alert the permitting authority. Note					
			Column 1			C	Column 2			
	:	☑ Section	n 1: Activities Requiring an NPDES	S Permit		w/ attachments				
	*	☑ Section	on 2: Name, Mailing Address, and L	ocation		w/ attachments				
		☑ Section	n 3: SIC Codes			w/ attachments				
		Section Section	n 4: Operator Information			w/ attachments				
		☑ Section	n 5: Indian Land			w/ attachments				
ŧ		☑ Section	on 6: Existing Environmental Permit	ts		w/ attachments				
Checklist and Certification Statement		☑ Section	on 7: Map		V	w/ topographic map	w/ additional attachments			
tion St		☑ Section	on 8: Nature of Business			w/ attachments				
tificat		☑ Section	on 9: Cooling Water Intake Structure	es		w/ attachments				
nd Cer		☑ Section	on 10: Variance Requests			w/ attachments				
list ar		☑ Section	on 11: Checklist and Certification St	tatement		w/ attachments				
heck	11.2	Certification	Statement				Line Altre Director			
ō		I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.								
		Name (print or type first and last name)			Offic	ial title				
		Joel L. Thomps	son		Director of Production					
		Signature	3-Junn		Date	signed 9-3-2020				



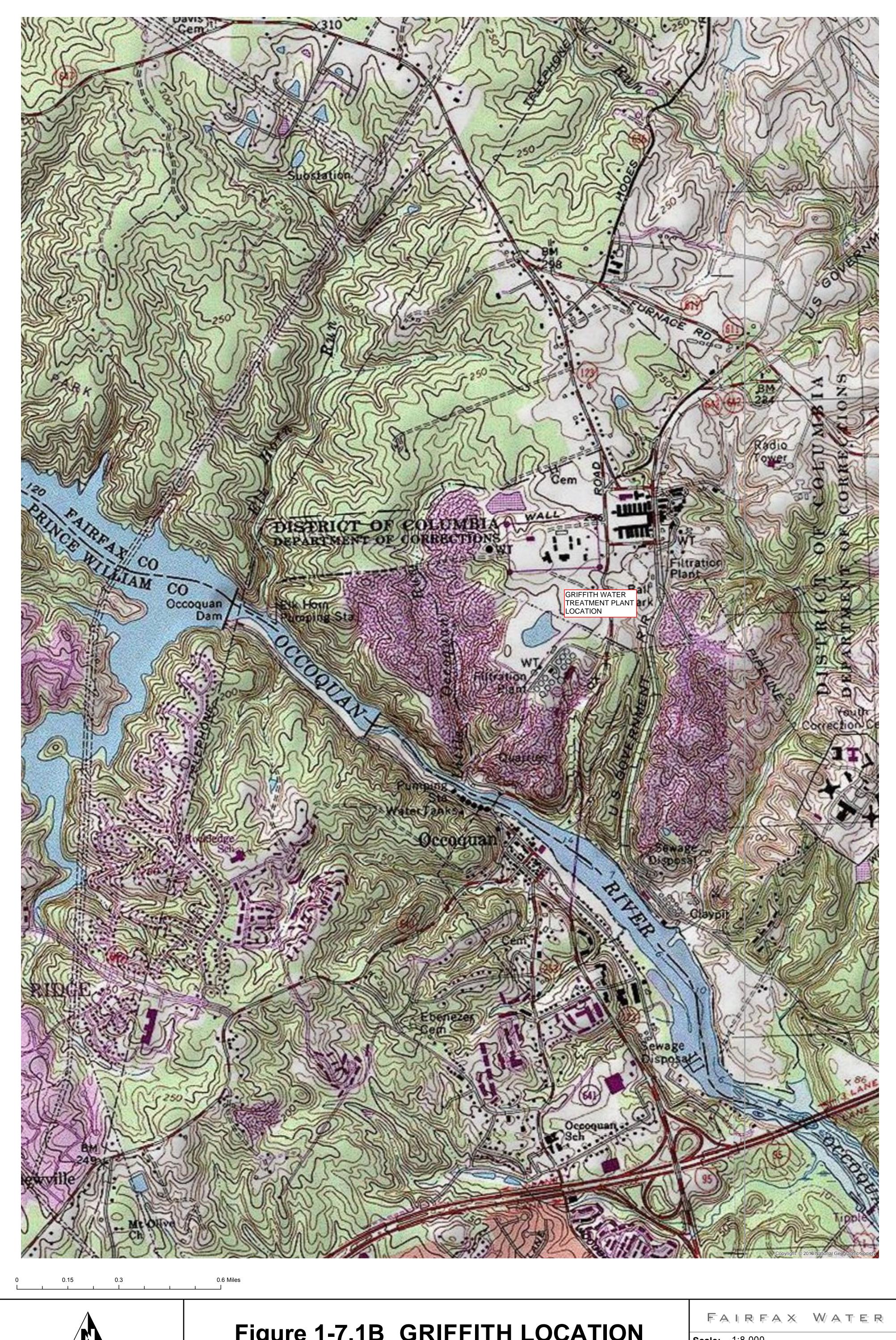




Figure 1-7.1B GRIFFITH LOCATION

Topography Map

Scale: 1:8,000 08/15/2020 Date:

USGS Quad: Occoquan & Ft. Belvoir, Va **Updated by:** Rev. 3, AJW / H. Mogilevich

Print All Pages

Print Form Only

United States Office of Water **Environmental Protection Agency**

EPA Form 3510-2C Washington, D.C. Revised March 2019

Water Permits Division



Application Form 2C Existing Manufacturing, Commercial, Mining, and Silvicultural Operations **NPDES Permitting Program**

Note: Complete this form and Form 1 if your facility is an existing manufacturing, commercial, mining, or silvicultural facility that currently discharges process wastewater.

Form Approved 03/05/19 OMB No. 2040-0004 EPA Identification Number NPDES Permit Number Facility Name VΔR000512939

	/AR00051	12939	VA0002585	FCW	/A Griffitl	n Water	Treatment			OMB No.	
Form 2C NPDES	9	EPA	U.S. Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater EXISTING MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURE OPERATION						ONE		
	N 4 OUT	EALL LOCAT	TION (40 CFR 122.21(g)(1))	JRING, CON	IMERCIA	L, WIIN	ING, AND S	LVICUL	I URE UP	ERATIO	ONO
SECTIO	1.1		rmation on each of the facility's	outfalls in the	e table be	elow.					
ation		Outfall Number	Receiving Water Name		Latitud				Longit	ude	
Loc		001	Occoquan River	38°	41′	11"	N	77°	15'	16"	W
Outfall Location		007	Occoquan River	38°	41′	38"	N	77°	16'	36"	W
		008	Occoquan River	38°	41′	38"	N	77°	16′	34"	W
SECTIO	N 2. LIN	E DRAWING (40 CFR 122.21(g)(2))								
Line Drawing	2.1		tached a line drawing to this ap ee instructions for drawing requ								
Dra		✓ Yes	☐ No								
SECTIO	N 3. AVE	RAGE FLOW	S AND TREATMENT (40 CFR	122 21(a)(3)))						
OLUTIO			(10 0111	122121(9)(0)	,						
GEOTIO	3.1		tfall identified under Item 1.1, pr			nd treat	ment informa	ation. Add	d addition	al sheet	s if
GEOTIO		For each ou	tfall identified under Item 1.1, pr	rovide avera	ge flow a	001		ation. Add	d addition	al sheet	s if
<u> </u>		For each ou	tfall identified under Item 1.1, pr	rovide avera	ge flow a	001	Flow			al sheet	s if
020110		For each our necessary.	tfall identified under Item 1.1, programme (Control of the Control	rovide average **Outfall Nu Operations (ge flow a	001	Flow	verage F			
		For each our necessary.	tfall identified under Item 1.1, pr	rovide average **Outfall Nu Operations (ge flow a	001	Flow				
		For each ou necessary.	tfall identified under Item 1.1, programme (Control of the Control	**Outfall Nu Dperations C	mber** Contribut	001	Flow				5.8 mgd
		Refer to	tfall identified under Item 1.1, proceedings of the control of the	**Outfall Nu Dperations C igure 2C-2.1 quarry receiv	mber** Contribut	001	Flow				s if 5.8 mgd mgd
		Refer to	tfall identified under Item 1.1, proceedings of the Compensation Tables 2C-3.1 and 2C-4.2 and Find string from the compensation of the Compensati	**Outfall Nu Dperations C igure 2C-2.1 quarry receiv plant and	mber** _Contribut	ing to	Flow				5.8 mgd
		Refer to	tfall identified under Item 1.1, proceedings of the Compensation Tables 2C-3.1 and 2C-4.2 and Find the compensation of the co	**Outfall Nu Dperations C igure 2C-2.1 quarry receiv plant and	mber** Contribut	ing to	Flow	verage F	low		5.8 mgd mgd mgd
Average Flows and Treatment		Refer to Primary indu	tfall identified under Item 1.1, proceedings of the Compensation Tables 2C-3.1 and 2C-4.2 and Financial outfall discharging from compensations of the Compensation of	**Outfall Nu Dperations (igure 2C-2.1 quarry receive plant and	mber** _Contribut	ing to l	Flow	verage F	ilow al Dispos uid Wast	sal of S	5.8 mgd mgd mgd mgd olid or er Than
		Refer to Primary indu	Tables 2C-3.1 and 2C-4.2 and Find strial outfall discharging from constraint outfall discharging from water part of the storm water inflow Description Size, flow rate through each treaters.	**Outfall Nu Dperations C igure 2C-2.1 quarry receiv plant and Trea atment unit,	mber** _Contribut	ing to l	Flow A	verage F	ilow al Dispos uid Wast	sal of S	5.8 mgd mgd mgd mgd olid or er Than
		Refer to Primary indu	Operation Tables 2C-3.1 and 2C-4.2 and Financial outfall discharging from constraint outfall discharge water from water inflow Description size, flow rate through each treater intention time, etc.)	**Outfall Nu Dperations C igure 2C-2.1 quarry receiv plant and Trea atment unit,	mber** _Contribut	ing to l	Flow A	verage F	ilow al Dispos uid Wast	sal of S	5.8 mgd mgd mgd mgd olid or er Than
		Refer to Primary indu	Operation Tables 2C-3.1 and 2C-4.2 and Financial outfall discharging from constraint outfall discharge water from water inflow Description size, flow rate through each treater intention time, etc.)	**Outfall Nu Dperations C igure 2C-2.1 quarry receiv plant and Trea atment unit,	mber** _Contribut	ing to l	Flow A	verage F	ilow al Dispos uid Wast	sal of S	5.8 mgd mgd mgd mgd olid or er Than
		Refer to Primary indu	Operation Tables 2C-3.1 and 2C-4.2 and Financial outfall discharging from constraint outfall discharge water from water inflow Description size, flow rate through each treater intention time, etc.)	**Outfall Nu Dperations C igure 2C-2.1 quarry receiv plant and Trea atment unit,	mber** _Contribut	ing to l	Flow A	verage F	ilow al Dispos uid Wast	sal of S	5.8 mgd mgd mgd olid or or Than

EPA	Identificatio	n Number	NPDES Perm	nit Number		Facility Name Form Approve					
V	/AR00051	.2939	VA0002	2585	FCWA Griff	fith Water Treatment	OMB No. 2040-0004				
	3.1				all Number**						
	cont.		Operation		ions Contrib	outing to Flow	erage Flow				
			•			AVI					
		Refer to	Tables 2C-3.1 and 2C	C-4.2 and Figure 2	C-2.1	0.006 mgd					
		Intermitten	t raw reservoir wate	er screen wash dr	ain with	mgc					
		trace res	servoir screenings (c	letritus, dirt parti	cles,		mgd				
		SI	mall vege.) 390 gpm	@ 15 min/day			mgd				
					Treatment	Units					
		(include s	Descripti size, flow rate throug retention time	h each treatment	unit,	Code from Table 2C-1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge				
pen		Refer to 1	Tables 2C-3.1 and 2C	C-4.2 and Figure 2	C-2.1						
ontin											
nent C											
reatn											
		Outfall Number 008									
a		Operations Contributing to Flow									
ows an			Operatio	Operat		uting to Flow	erage Flow				
ge Flows an		Refer to	Operatio Tables 2C-3.1 and 20	Operati on	ons Contrib	uting to Flow	erage Flow 0.007 mgd				
Average Flows an				Operation C-4.2 and Figure 2	C-2.1	uting to Flow	0.007 mgd				
Average Flows and Treatment Continued		Continuous	Tables 2C-3.1 and 20	Operation C-4.2 and Figure 2 w water sample t	C-2.1	uting to Flow					
Average Flows an		Continuous	Tables 2C-3.1 and 20	Operation C-4.2 and Figure 2 w water sample to	C-2.1	uting to Flow	0.007 mgd				
Average Flows an		Continuous	Tables 2C-3.1 and 20 flowing reservoir raw	Operation C-4.2 and Figure 2 w water sample to	C-2.1	Av	0.007 mgd mgd				
Average Flows an		Continuous (No longer ha	Tables 2C-3.1 and 20 flowing reservoir raw	Operation C-4.2 and Figure 2 w water sample to the requality meter on the each treatment	ap drain. discharge)	Av	0.007 mgd mgd				
Average Flows an		(No longer ha	Tables 2C-3.1 and 20 flowing reservoir raves reagent-using wat 5 gpm Descripti size, flow rate throug	Operation C-4.2 and Figure 2 w water sample the requality meter on the each treatment e, etc.)	ap drain. discharge) Treatment	Units Code from	0.007 mgd mgd mgd mgd Final Disposal of Solid or Liquid Wastes Other Than				
Average Flows an		(No longer ha	Tables 2C-3.1 and 2C flowing reservoir rav as reagent-using wat 5 gpm Descripti size, flow rate throug retention time	Operation C-4.2 and Figure 2 w water sample the requality meter on the each treatment e, etc.)	ap drain. discharge) Treatment	Units Code from	0.007 mgd mgd mgd mgd Final Disposal of Solid or Liquid Wastes Other Than				
Average Flows an		(No longer ha	Tables 2C-3.1 and 2C flowing reservoir rav as reagent-using wat 5 gpm Descripti size, flow rate throug retention time	Operation C-4.2 and Figure 2 w water sample the requality meter on the each treatment e, etc.)	ap drain. discharge) Treatment	Units Code from	0.007 mgd mgd mgd mgd Final Disposal of Solid or Liquid Wastes Other Than				
Average Flows an		(No longer ha	Tables 2C-3.1 and 2C flowing reservoir rav as reagent-using wat 5 gpm Descripti size, flow rate throug retention time	Operation C-4.2 and Figure 2 w water sample the requality meter on the each treatment e, etc.)	ap drain. discharge) Treatment	Units Code from	0.007 mgd mgd mgd mgd Final Disposal of Solid or Liquid Wastes Other Than				
	3.2	Continuous (No longer hat include see to 1) Are you appl	Tables 2C-3.1 and 2C flowing reservoir ray as reagent-using wat 5 gpm Descripti size, flow rate throug retention time Tables 2C-3.1 and 2C	Operation C-4.2 and Figure 2 w water sample to the requality meter on the each treatments, etc.) C-4.2 and Figure 2	a privately ov	Units Code from Table 2C-1	0.007 mgd mgd mgd mgd Final Disposal of Solid or Liquid Wastes Other Than by Discharge				
System Users Average Flows an	3.2	Continuous (No longer had) (include see to 1) Are you appled Yes	Tables 2C-3.1 and 2C flowing reservoir ray as reagent-using wat 5 gpm Descripti size, flow rate throug retention time Tables 2C-3.1 and 2C	Operation C-4.2 and Figure 2 w water sample to the equality meter on the each treatment e, etc.) C-4.2 and Figure 2 coermit to operate	a privately ou	Units Code from Table 2C-1 wned treatment works? ✓ No → SKIP to Ser	0.007 mgd mgd mgd mgd Final Disposal of Solid or Liquid Wastes Other Than by Discharge				

			NDDEO D. W.H.					¬	_		
		on Number	NPDES Permit Number	FCW		cility Name				Approve	
VA	AR00051	12939	VA0002585	FCWA Griffith Water Treatment							
Form			A P				ection Ager				
2C PDES	*	EPA	Application for NPDES Permit to Discharge W EXISTING MANUFACTURING, COMMERCIAL, MINING, AND SII								
(D) (A) (C) (C) (C) (C)				JRING, COM	MERCIA	L, MINI	NG, AND S	ILVICULT	TURE OP	ERATIC	ONS
ECTION			TION (40 CFR 122.21(g)(1))								
	1.1		rmation on each of the facility's	outfalls in the	table be	elow.					
Outfall Location		Outfall Number	Receiving Water Name		Latitud	le			Longitu	ıde	
Foc		009	Occoquan River	38°	41'	14"	N	77°	15'	51 ["]	W
Outfa				o	,	n	N	0	,	n	W
				0	,	"	N	0	,	"	W
CTION	2 I INIE	DRAWING /	40 CFR 122.21(g)(2))								
ቯ		balance? (S	tached a line drawing to this ap ee instructions for drawing requ	irements. Se	e Exhibit						
	3. AVE 3.1	balance? (S Yes RAGE FLOW	ee instructions for drawing requ	122.21(g)(3)	e Exhibit	2C–1 a	t end of inst	ructions fo	or examp	le.)	s if
		balance? (S Yes RAGE FLOW For each ou	ee instructions for drawing requestions for drawing requestions. S AND TREATMENT (40 CFR tfall identified under Item 1.1, processing to the second s	122.21(g)(3) rovide averag	e Exhibit e flow ar nber** <u>C</u>	2C-1 and treate	nt end of inst	ructions fo	or examp	le.)	s if
		balance? (S Yes RAGE FLOW For each ou	ee instructions for drawing requestions for drawing requestions. No S AND TREATMENT (40 CFR tfall identified under Item 1.1, processing to the second	irements. Se 122.21(g)(3) rovide averag	e Exhibit e flow ar nber** <u>C</u>	2C-1 and treate	nent informa	ructions fo	or exampl	le.)	s if
		balance? (S Yes RAGE FLOW For each ou	ee instructions for drawing requestions for drawing requestions. S AND TREATMENT (40 CFR tfall identified under Item 1.1, processing to the second s	122.21(g)(3) rovide averag	e Exhibit e flow ar nber** <u>C</u>	2C-1 and treate	nent informa	ructions fo	or exampl	le.)	s if
ECTION		balance? (S Yes RAGE FLOW For each ou necessary.	ee instructions for drawing requestions for drawing requestions. No S AND TREATMENT (40 CFR tfall identified under Item 1.1, processing to the second	122.21(g)(3) rovide averag **Outfall Nur Operations C	e Exhibit e flow ar nber** <u>C</u>	2C-1 and treate	nent informa	ructions fo	or exampl	le.)	s if
ECTION		balance? (S Yes RAGE FLOW For each ou necessary. Refer to	ee instructions for drawing requestions. No S AND TREATMENT (40 CFR) It is in the second of the seco	122.21(g)(3) rovide average**Outfall Nur Operations C	e Exhibit e flow ar hber** Contribut	2C-1 and treate	nent informa	ructions fo	or exampl	le.)	1 m
ECTION		For each ou necessary. Refer to	ee instructions for drawing requestions. No S AND TREATMENT (40 CFR) It is in the second of the seco	122.21(g)(3) rovide averag **Outfall Nur Operations C	e flow ar	2C-1 and treate	nent informa	ructions fo	or exampl	le.)	
and Treatment OI O		For each ou necessary. Refer to Quarterly n	ee instructions for drawing required No S AND TREATMENT (40 CFR) It fall identified under Item 1.1, proceedings of the Comparation Tables 2C-3.1 and 2C-4.2 and Finaintenance check release of procedure instructions.	122.21(g)(3) rovide average **Outfall Nur Operations C igure 2C-2.1 ump dischargency surge relie	e flow ar	2C-1 and treate	nent informa	ructions fo	or exampl	le.)	1 mg
and Treatment OLDS		For each ou necessary. Refer to Quarterly n	ee instructions for drawing requested in No S AND TREATMENT (40 CFR) It is in the second of the seco	122.21(g)(3) rovide average **Outfall Nur Operations Co igure 2C-2.1 ump discharge ncy surge reli e of KMnO4.	e flow ar	2C–1 and treation	nent informa	ructions for	additiona	al sheets	1 mg
and Treatment		For each ou necessary. Refer to Quarterly n surge relief	ee instructions for drawing required No S AND TREATMENT (40 CFR tfall identified under Item 1.1, processing to the second of the	122.21(g)(3) rovide average **Outfall Nur Operations Co igure 2C-2.1 ump discharge ncy surge relie e of KMnO4. Treat	e flow ar hber** Contribut	2C-1 and treatment of the second seco	nent informa	ructions for ation. Add	additional low	al sheets	1 m m m olid o
ECTION		For each ou necessary. Refer to Quarterly not surge relief of raw research.	ee instructions for drawing required No S AND TREATMENT (40 CFR tfall identified under Item 1.1, proceeding to the process of procedure of the procedure of the process of the procedure	122.21(g)(3) rovide average **Outfall Nur Operations Co igure 2C-2.1 ump discharge ncy surge relie e of KMnO4. Treat atment unit,	e flow ar hber** Contribut	2C-1 and treatment of the second seco	ment inform. Flow A	ructions for ation. Add	additional low	al sheets	1 m m m

EPA Identification Number NPDES Permit Number Facility Name Form Approved 03/05/19 OMB No. 2040-0004 VAR000512939 VA0002585 FCWA Griffith Water Treatment SECTION 4. INTERMITTENT FLOWS (40 CFR 122.21(g)(4)) Except for storm runoff, leaks, or spills, are any discharges described in Sections 1 and 3 intermittent or seasonal? No → SKIP to Section 5. 4.2 Provide information on intermittent or seasonal flows for each applicable outfall. Attach additional pages, if necessary. Flow Rate Frequency Outfall Operation Average Long-Term Maximum Duration Average Number (list) Days/Week Months/Year Daily Average Water treatment ops days/week 12 months/year 5.8 mgd 5.8 mgd 1 days Intermittent Flows days/week months/year see Table 2C-4.2 mgd mgd days 001 days/week months/year mgd mgd days Screen washes 7 days/week 12 months/year .006 mgd .006 mgd .01 days days/week see Table 2C-4.2 months/year mgd mgd days 007 days/week months/year mgd mgd days 0 days/week 4 1 .007 days Surge Relief maint months/year 1 mgd mgd 1 .03 days 0 days/week 1 months/year 1 Emergency surge relief mgd mgd 009 days/week see Table 2C-4.2 months/year mgd mgd days **SECTION 5. PRODUCTION (40 CFR 122.21(g)(5))** 5.1 Do any effluent limitation guidelines (ELGs) promulgated by EPA under Section 304 of the CWA apply to your facility? No → SKIP to Section 6. V Provide the following information on applicable ELGs. 5.2 Applicable ELGs **Regulatory Citation ELG Category ELG Subcategory** na 5.3 Are any of the applicable ELGs expressed in terms of production (or other measure of operation)? No → SKIP to Section 6. Yes **Production-Based Limitations** 5.4 Provide an actual measure of daily production expressed in terms and units of applicable ELGs. Outfall Unit of Operation, Product, or Material Quantity per Day Number Measure na

EPA	Identification	n Number	NPDES Permit Number		Facility N	lame		Approved 03/05/19			
١	/AR00051	.2939	VA0002585	FCWA	Griffith Wa	iter Treatment	0	MB No. 2040-0004			
SECTIO	N 6. IMPI	ROVEMENTS	(40 CFR 122.21(g)(6))								
	6.1	Are you presently required by any federal, state, or local authority to meet an implementation schedule for constructing, upgrading, or operating wastewater treatment equipment or practices or any other environmental programs that could affect the discharges described in this application? ✓ No → SKIP to Item 6.3.									
	0.0	Yes			V N	O - SKIP TO IT	em 6.3.				
ıts	6.2	Briefly identif	y each applicable project in the	Affected			F: 10	P D . (
mer		Brief Identi	fication and Description of	Outfalls	;	Source(s) of	Final Comp	liance Dates			
nprove			Project	(list outfall number)		Discharge	Required	Projected			
s and In			NA								
Upgrades and Improvements											
	6.3	that may affe	ached sheets describing any a act your discharges) that you no	ow have underw			itèm)	ental projects			
			ee Tech Memo 2C-6.3 Cor Outfall 008				Not applicable				
SECTIO	N 7. EFF	LUENT AND II	NTAKE CHARACTERISTICS	(40 CFR 122.21	(g)(7)						
			o determine the pollutants and picants need to complete each t		are require	ed to monitor ar	nd, in turn, the tables	s you must			
		A. Conventional and Non-Conventional Pollutants									
	7.1	your outfalls?		ES permitting a	authority for one or more of the Table A pollutants for any of						
		☐ Yes				→ SKIP to Ite					
	7.2	If yes, indicat	te the applicable outfalls below	. Attach waiver	request an	d other required	d information to the	application.			
		Outfa	all Number	Outfall Nu	mber	_	Outfall Number	·			
ristics	7.3		mpleted monitoring for all Table attached the results to this a				which a waiver has r	not been			
acte		✓ Yes					been requested from				
har	Table E	B. Toxic Metal:	s, Cyanide, Total Phenols, ar	nd Organic Tox			ty for all pollutants a	t all Outlails.			
Effluent and Intake Characteristics	7.4	Do any of the	e facility's processes that contribit 2C-3? (See end of instruction	bute wastewate			he primary industry	categories			
and		☐ Yes			☑ No	→ SKIP to Ite	m 7.8.				
ent	7.5	Have you cho	ecked "Testing Required" for a	Il toxic metals, c	yanide, an	d total phenols	in Section 1 of Table	e B?			
Efflu		☐ Yes			☐ No)					
	7.6	List the appli	cable primary industry categori -3.	es and check th	ne boxes ir	idicating the rec	quired GC/MS fraction	on(s) identified			
			Primary Industry Category				GC/MS Fraction(s) applicable boxes.)				
			na		□ Volatil	e □ Acid	☐ Base/Neutral	☐ Pesticide			
			na		☐ Volatil☐	e □ Acid	☐ Base/Neutral☐ Base/Neutral☐ Base/Neutral☐ ☐ Dase/Neutral☐ ☐	☐ Pesticide ☐ Pesticide ☐ Pesticide			

EPA	EPA Identification Number		NPDES Permit N	umber	Fac	cility Name	Form Approved 03/05/19
V	'AR00051	.2939	VA000258	5	FCWA Griffith	n Water Treatment	OMB No. 2040-0004
	7.7	GC/MS fracti	ecked "Testing Require ions checked in Item 7.0			_	5 of Table B for each of the
		☐ Yes			<u>∠</u>	No	
	7.8			nt" or "Believed	d Absent" for all	pollutants listed in S	Sections 1 through 5 of Table B
		-	g is not required?		_	M.	
		✓ Yes				No	
	7.9	required or (2 indicated are		ther required	information for t ?	hose Section 1, Tab	ich you have indicated testing is le B, pollutants that you have
		☐ Yes			V	No	
	7.10	Does the app	olicant qualify for a sma	Il business ex	emption under t	he criteria specified	in the instructions?
eq		□ Yes →	Note that you qualify a then SKIP to Item 7.12	t the top of Ta 2.	able B,	No	
Effluent and Intake Characteristics Continued	7.11	determined to		quantitative d	ata or an expla	nation for those Sect	tants for which you have iions 2 through 5, Table B,
eris	Table C		ventional and Non-Co	nventional P	ollutants	-	
Sharact	7.12		dicated whether pollutar			Believed Absent" for	all pollutants listed on Table C
ke (✓ Yes				No	
nt and Inta	7.13	indirectly in a "Believed Pre	an ELG and/or (2) quan			for those pollutants	at are limited either directly or for which you have indicated
<u>le</u>		✓ Yes				No	
#			ardous Substances a				
	7.14	all outfalls?	licated whether pollutar	nts are "Believ	ed Present" or ' —		all pollutants listed in Table D for
		✓ Yes				No	
	7.15	and (2) by pr	mpleted Table D by (1) oviding quantitative dat		?		re expected to be discharged
		✓ Yes				No	
			achlorodibenzo-p-Diox			000	
	7.16						d in the instructions, or do you
			e reason to believe that		· ·		
		☐ Yes →	Complete Table E.		V	No → SKIP to Se	ction 8.
	7.17	Have you co	mpleted Table E by rep	orting qualitat	ive data for TCI	DD?	
		Yes				No	
SECTIO	N 8. USE	D OR MANUF	ACTURED TOXICS (40	0 CFR 122.21	(g)(9))		
	8.1					substance used or	manufactured at your facility as
þ		an intermedia	ate or final product or by	yproduct?			
ctur		✓ Yes				No → SKIP to Se	ection 9.
ufa	8.2	List the pollu	tants below.	·			
Manufa Toxics		1. please se	ee Table 2C-8.2	4.		7.	
o T		-					
Used or Manufactured Toxics		2.		5.		8.	
–		3		6		q	

EPA Identification Number NPDES Permit Number Facility Name Form Approved 03/05/19 OMB No. 2040-0004 VAR000512939 VA0002585 FCWA Griffith Water Treatment SECTION 9. BIOLOGICAL TOXICITY TESTS (40 CFR 122.21(g)(11)) Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made within the last three years on (1) any of your discharges or (2) on a receiving water in relation to your discharge? No → SKIP to Section 10. ✓ Yes **Biological Toxicity Tests** 9.2 Identify the tests and their purposes below. **Submitted to NPDES** Purpose of Test(s) **Date Submitted** Test(s) Permitting Authority? Outfall 001: 3-day C. Annual Permit 2019 (perf. ✓ Yes □ No 01/07/2020 dubia & 7-day P. promela since 2011) Outfall 001: 3-day C. Annual permit 2020 ✓ Yes □ No 03/25/2020 dubia & 7-day P. promela Outfall 001: 3-day C. Retest 2020 due to ☐ Yes ✓ No 01/05/2021 dubia & 7-day P. promela | possible sample contamin SECTION 10. CONTRACT ANALYSES (40 CFR 122.21(g)(12)) 10.1 Were any of the analyses reported in Section 7 performed by a contract laboratory or consulting firm? V No → SKIP to Section 11. 10.2 Provide information for each contract laboratory or consulting firm below. **Laboratory Number 1 Laboratory Number 2 Laboratory Number 3** Name of laboratory/firm JR Reed & Associates Fairfax Water Quality na Laboratory Contract Analyses Laboratory address 770 Pilot House Drive 1295 Fred Morin Dr, Newport News, VA 23606 Herndon, VA 20170 Phone number (757) 873-4703 (703) 698-5613 Pollutant(s) analyzed All analyses except pH, TSS, pH, TSS, temperature temperature, flow SECTION 11. ADDITIONAL INFORMATION (40 CFR 122.21(g)(13))

EPA Identification Number	NPDES Permit Number	Facility Name
VAR000512939	VA0002585	FCWA Griffith Water Treatment

Form Approved 03/05/19 OMB No. 2040-0004

SECTION	12. CH	ECKL	IST AND CERTIFICATION STATEM	ENT (40 CFR 122.22(a) and (d))	H. C.	
	12.1	For	olumn 1 below, mark the sections of I each section, specify in Column 2 any not all applicants are required to com	y attac	hments that you are enclosing	to alert the p	
			Column 1		C	olumn 2	
		V	Section 1: Outfall Location	V	w/ attachments Page 1A	for addi	tional outfalls
		V	Section 2: Line Drawing	v	w/ line drawing		w/ additional attachments
		~	Section 3: Average Flows and Treatment	V	w/ attachments		w/ list of each user of privately owned treatment works
		V	Section 4: Intermittent Flows	V	w/ attachments		
	•	v	Section 5: Production		w/ attachments		
		V	Section 6: Improvements		w/ attachments	v	w/ optional additional sheets describing any additional pollution control plans
#					w/ request for a waiver and supporting information		w/ explanation for identical outfalls
terner					w/ small business exemption request	, \Box	w/ other attachments
n Sta		V	Section 7: Effluent and Intake Characteristics	V	w/ Table A	V	w/ Table B
icatio				V	w/ Table C	V	w/ Table D
Certif		i			w/ Table E		w/ analytical results as an attachment
st and		V	Section 8: Used or Manufactured Toxics	V	w/ attachments		
Checklist and Certification Statement		V	Section 9: Biological Toxicity Tests		w/ attachments		
S		V	Section 10: Contract Analyses		w/ attachments		
		V	Section 11: Additional Information	v	w/ attachments Permit	req. Atta	chment A
		V	Section 12: Checklist and Certification Statement		w/ attachments		
	12.2	Cer	tification Statement				
		sub resp acci	rtify under penalty of law that this doc ordance with a system designed to as mitted. Based on my inquiry of the pe consible for gathering the information, urate, and complete. I am aware that sibility of fine and imprisonment for k	ssure terson of the in there	hat qualified personnel proper or persons who manage the sy formation submitted is, to the are significant penalties for su	ly gather and stem, or thos best of my kr	evaluate the information e persons directly nowledge and belief, true,
		Nan	ne (print or type first and last name)			Official title	
			L. Thompson			Director of I	Production
		Sign	mature/ Multi-Noryth			Date signed	702D

This page intentionally left blank.

Form Approved 03/05/19 OMB No. 2040-0004

	BLE A. CONVENTIONAL AND N					•	luent		Intal (Optio	
	Pollutant	Waiver Requested (if applicable)	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
	Check here if you have applied	to your NPDE	S permitting author	ity for a wai	iver for <i>all</i> of the p	ollutants listed on	this table for the no	ted outfall.		
1.	Biochemical oxygen demand		Concentration	mg/L	3.4			1		
١.	(BOD₅)		Mass	kg/d	74.8					
2.	Chemical oxygen demand		Concentration	mg/L	14			1		
۷.	(COD)		Mass	kg/d	308					
3.	Total organic carbon (TOC)		Concentration	mg/L	5.2			1		
J.	Total organic carbon (TOC)		Mass	kg/d	114.4					
4.	Total suspended solids (TSS)		Concentration	mg/L	2.7			1		
4.	Total suspended solids (133)		Mass	kg/d	59.4					
5.	Ammonia (as N)		Concentration	mg/L	< 0.1			1		
J.	Animonia (as iv)		Mass	kg/d	< 2.2					
6.	Flow		Rate	MGD	5.8		5.8	10		
7.	Temperature (winter)		°C	°C	10.5			5		
1.	Temperature (summer)		°C	°C	21.5			5		
0	pH (minimum)		Standard units	s.u.	7			10		
8.	pH (maximum)		Standard units	s.u.	7.8			10		

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

EPA Identification Number NPDES Permit Number Facility Name Outfall Number Form Approved 03/05/19
VAR000512939 VA0002585 FCWA Griffith Water Treatment 001 OMB No. 2040-0004

LVDI	E B. TOXIC METALS, CYANIDE,		NOI S-AND	OPCANIC	OVIC DOLLUTAN	TS //0.CE	D 122 24/m\/7\	\{\cdot\\1				
radl	E B. TOXIC WILTAES, CTANIDE,	TOTAL PHE	Presence	or Absence ck one)	OXIC POLLUTAN	13 (40 CF	X-122.21(9)(1)	Efflue	ent			a ke ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required Believed Present Absent			Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
	Check here if you qualify as a sm 2 through 5 of this table. Note, ho											
ecti	on 1. Toxic Metals, Cyanide, and	Total Pheno	ols									
1.1	Antimony, total			V	Concentration	mg/L	<0.005			1		<u> </u>
1.1	(7440-36-0) dissolved	Ш	Ш		Mass	kg/d	<0.11					<u> </u>
1.2	Arsenic, total			V	Concentration	mg/L	<0.005			1		
1.2	(7440-38-2) dissolved			Ľ	Mass	kg/d	<0.11					<u> </u>
1.3	Beryllium, total			V	Concentration	mg/L	na			0		<u> </u>
	(7440-41-7)				Mass	kg/d	na					
1.4	Cadmium, total			V	Concentration	mg/L	<0.005			1		
	(7440-43-9)	_	_	_	Mass	kg/d	<0.11			_		
1.5	Chromium, total (7440-47-3) dissolved			V	Concentration	mg/L	<0.003			1		
	(1440-41-5)				Mass	kg/d	< 0.066					
1.6	Copper, total (7440-50-8) dissolved		V		Concentration Mass	mg/L	0.002			1		
	,				Concentration	kg/d mg/L	0.044 <0.005			1		
1.7	Lead, total (7439-92-1) dissolved			V	Mass	kg/d	<0.003			-		
	Mercury, total				Concentration	mg/L	<0.002			1		
1.8	(7439-97-6) dissolved			V	Mass	kg/d	< 0.002	+		_		
	Nickel, total				Concentration	mg/L	<0.005			1		
1.9	(7440-02-0) dissolved			V	Mass	kg/d	<0.11					
1.40	Selenium, total				Concentration	mg/L	<0.005			1		
1.10	(7782-49-2)			V	Mass	kg/d	<0.11					
1.11	Silver, total			[Z]	Concentration	mg/L	<0.001			1		
1.11	(7440-22-4) dissolved			V	Mass	kg/d	< 0.002					·

EPA Identification Number NPDES Permit Number Facility Name Outfall Number Form Approved 03/05/19
VAR000512939 VA0002585 FCWA Griffith Water Treatment 001

IABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE	Presence	or Absence ck one)	OXIC POLLUTAN	15 (40 CF	R*122.21(g)(7)	Efflu	uent			take tional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
1.12	Thallium, total			V	Concentration	mg/L	<0.005			1		
	(7440-28-0) dissolved				Mass	kg/d	<0.11					
1.13	Zinc, total (7440-66-6) dissolved			V	Concentration Mass	mg/L	<0.005			1		
	,				Concentration	kg/d	<0.11 <0.005			1		
1.14	Cyanide, total (57-12-5)			V	Mass	mg/L kg/d	<0.005			1		
	,				Concentration	ug/L	<5			1		
1.15	Phenols, total			V	Mass	kg/d	<0.11					
Section	on 2. Organic Toxic Pollutants (G	C/MS Fract	ion—Volatil	e Compound	ls)	<u> </u>						
2.1	Acrolein			[2]	Concentration	ug/L	<10			1		
2.1	(107-02-8)			V	Mass	kg/d	<0.22					
2.2	Acrylonitrile			V	Concentration	ug/L	<50			1		
2.2	(107-13-1)			1	Mass	kg/d	<1.1					
2.3	Benzene			V	Concentration	ug/L	<5			1		
	(71-43-2)				Mass	kg/d	<0.11					
2.4	Bromoform (75, 05, 0)			V	Concentration	ug/L	<5			1		
	(75-25-2)				Mass	kg/d	<0.11					
2.5	Carbon tetrachloride (56-23-5)			V	Concentration	ug/L	<5			1		
	,				Mass Concentration	kg/d	<0.11			1		
2.6	Chlorobenzene (108-90-7)			V	Mass	ug/L kg/d	<5 <0.11			1		
	Chlorodibromomethane				Concentration	ug/L	<0.11 <5			1		
2.7	(124-48-1)			V	Mass	kg/d	<0.11			_		
	Chloroethane				Concentration	ug/L	na			0		
2.8	(75-00-3)			V	Mass	kg/d	na					

Il Number Form Approved 03/05/19
001 OMB No. 2040-0004

 EPA Identification Number
 NPDES Permit Number
 Facility Name
 Outfall Number

 VAR000512939
 VA0002585
 FCWA Griffith Water Treatment
 001

TABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE			OXIC POLLUTAN	ΓS (40 CFI	R 122.21(g)(7)	(v)) ¹				
				or Absence ck one)				Efflo	uent			ake ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.9	2-chloroethylvinyl ether (110-75-8)			V	Concentration		na			0		
	(110-75-0)				Mass		-					
2.10	Chloroform (67-66-3)			V	Concentration Mass	ug/L kg/d	<5 <0.11			1		
	Dichlorobromomethane				Concentration	ug/L	<5			1		1
2.11	(75-27-4)			V	Mass	kg/d	<0.11					
0.40	1,1-dichloroethane			[Z]	Concentration		na			0		0
2.12	(75-34-3)			٧	Mass							
2.13	1,2-dichloroethane			V	Concentration	ug/L	<5			1		1
2.10	(107-06-2)				Mass	kg/d	<0.11					
2.14	1,1-dichloroethylene			V	Concentration	ug/L	<5			1		1
	(75-35-4)				Mass	kg/d	<0.11					
2.15	1,2-dichloropropane (78-87-5)			V	Concentration Mass	ug/L	<5 <0.11			1		1
	,				Concentration	kg/d ug/L	<10			1		1
2.16	1,3-dichloropropylene (542-75-6)			V	Mass	kg/d	<0.22			1		Т
	Ethylbenzene				Concentration	ug/L	<5			1		1
2.17	(100-41-4)			V	Mass	kg/d	<0.11					
2.18	Methyl bromide			V	Concentration	ug/L	<5			1		1
2.10	(74-83-9)	Ш			Mass	kg/d	<0.11					
2.19	Methyl chloride			V	Concentration		na			0		0
	(74-87-3)				Mass							
2.20	Methylene chloride			V	Concentration	ug/L	<5			1		1
	(75-09-2)				Mass	kg/d	<0.11					
2.21	1,1,2,2- tetrachloroethane (79-34-5)			V	Concentration	ug/L	<5			1		1
	79-34-5)		Mass	kg/d	<0.11				1			

EPA Identification Number NPDES Permit Number Facility Name Outfall Number Form Approved 03/05/19
VAR000512939 VA0002585 FCWA Griffith Water Treatment 001

				or Absence ek one)				Efflo	uent			ake ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.22	Tetrachloroethylene (127-18-4)			V	Concentration	ug/L	<5			1		
	,				Mass	kg/d	<0.11					
2.23	Toluene (108-88-3)			V	Concentration Mass	ug/L	<5			1		
	,				Concentration	kg/d	<0.11 <5			1		
2.24	1,2-trans-dichloroethylene (156-60-5)			V	Mass	ug/L kg/d	<0.11			1		
	1,1,1-trichloroethane				Concentration	Kg/ u	na			0		
2.25	(71-55-6)			V	Mass							
2.26	1,1,2-trichloroethane			[J]	Concentration	ug/L	<5			1		
2.20	(79-00-5)	Ш			Mass	kg/d	<0.11					
2.27	Trichloroethylene			V	Concentration	ug/L	<5			1		
	(79-01-6)		1		Mass	kg/d	<0.11					
2.28	Vinyl chloride			V	Concentration	ug/L	<5			1		
	(75-01-4)				Mass	kg/d	<0.11					
Section	on 3. Organic Toxic Pollutants (C	C/MS Fract	on—Acid C	ompounds)	Concentration	/1	ı.e			4	T	T
3.1	2-chlorophenol (95-57-8)			V	Mass	ug/L kg/d	<5 <0.11			1		
	2,4-dichlorophenol				Concentration	ug/L	<5			1		
3.2	(120-83-2)			V	Mass	kg/d	<0.11					
	2,4-dimethylphenol				Concentration	ug/L	<5			1		
3.3	(105-67-9)			V	Mass	kg/d	<0.11					
3.4	4,6-dinitro-o-cresol			[Z]	Concentration	ug/L	<5		_	1		
5.4	(534-52-1)			V	Mass	kg/d	<0.11					
3.5	2,4-dinitrophenol			V	Concentration	ug/L	<20			1		
5.0) (51-28-5) · · · · · · · · · · · · · · · · · · ·			ت	Mass	kg/d	<0.44					

EPA Identification Number NPDES Permit Number Facility Name Outfall Number Form Approved 03/05/19
VAR000512939 VA0002585 FCWA Griffith Water Treatment 001

TADI	F. D. TOVIC METAL & CVANIDE	TOTAL DUE	NOLC AND		OVIC DOLLUTAN		D 400 04(m)/7)	()\1				
IABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE	Presence	or Absence ck one)	OXIC POLLUTAN	15 (40 CF	R 122.21(g)(7)	Efflu	ient			t ake ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
3.6	2-nitrophenol			V	Concentration		na			0		
	(88-75-5)		_	_	Mass		na					ļ
3.7	4-nitrophenol			V	Concentration		na			0		ļ
	(100-02-7)	_	_	_	Mass		na					ļ
3.8	p-chloro-m-cresol			V	Concentration		na			0		
	(59-50-7)		_		Mass		na					
3.9	Pentachlorophenol			V	Concentration	ug/L	<5			1		
	(87-86-5)				Mass	kg/d	<0.11	<0.11				
3.10	Phenol			v	Concentration	ug/L	<5			1		
	(108-95-2)				Mass	kg/d	<0.11					
3.11	2,4,6-trichlorophenol			V	Concentration	ug/L	<5			1		
	(88-05-2)				Mass	kg/d	<0.11					
Secti	on 4. Organic Toxic Pollutants (0	GC/MS Fract	ion—Base /	Neutral Com	pounds)		T	ı			1	
4.1	Acenaphthene			V	Concentration	ug/L	<5			1		
	(83-32-9)				Mass	kg/d	<0.11					
4.2	Acenaphthylene			V	Concentration		na			0		
	(208-96-8)				Mass		na					
4.3	Anthracene			V	Concentration	ug/L	<5			1		
	(120-12-7)				Mass	kg/d	<0.11					
4.4	Benzidine			V	Concentration	ug/L	<10			1		
7.7	(92-87-5)				Mass	kg/d	<0.22					
4.5	Benzo (a) anthracene			V	Concentration	ug/L	<5			1		
4.5	(56-55-3)			Ľ	Mass	kg/d	<0.11					
4.6	Benzo (a) pyrene			V	Concentration	ug/L	<5			1		
4 .0	(50-32-8)				Mass	kg/d	<0.11					

tfall Number Form Approved 03/05/19
001 OMB No. 2040-0004

 EPA Identification Number
 NPDES Permit Number
 Facility Name
 Outfall Number

 VAR000512939
 VA0002585
 FCWA Griffith Water Treatment
 001

	E B. TOXIC METALS, CYANIDE,		Presence	or Absence ck one)				Efflu	uent			ake ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.7	3,4-benzofluoranthene (205-99-2)			V	Concentration Mass	ug/L kg/d	<5 <0.11			1		
4.8	Benzo (ghi) perylene			V	Concentration	Kg/u	vo.11			0		
4.0	(191-24-2)	Ш		<u>s</u>	Mass		na					
4.9	Benzo (k) fluoranthene (207-08-9)			V	Concentration	ug/L	<5			0		
	,				Mass	kg/d	<0.11			_		
4.10	Bis (2-chloroethoxy) methane (111-91-1)			V	Concentration Mass		na na			0		
4.11	Bis (2-chloroethyl) ether			V	Concentration	ug/L	<5			1		
7.11	(111-44-4)			<u> </u>	Mass	kg/d	<0.11					
4.12	Bis (2-chloroisopropyl) ether (102-80-1)			V	Concentration	ug/L	<5			1		
	•				Mass	kg/d	<0.11			_		
4.13	Bis (2-ethylhexyl) phthalate (117-81-7)			V	Concentration Mass	ug/L kg/d	<5 <0.11			1		
4.14	4-bromophenyl phenyl ether			V	Concentration		na			0		
4.14	(101-55-3)	Ш		<u> </u>	Mass		na					
4.15	Butyl benzyl phthalate			V	Concentration	ug/L	<5			1		
7.15	(85-68-7)			Ľ	Mass	kg/d	<0.11					
4.16	2-chloronaphthalene			V	Concentration	ug/L	<5			1		
	(91-58-7)				Mass	kg/d	<0.11					
4.17	4-chlorophenyl phenyl ether (7005-72-3)			V	Concentration Mass		na na			0		
	,				Concentration	ug/L	11a <5			1		
4.18	Chrysene (218-01-9)			V	Mass	kg/d	<0.11					
4 10	Dibenzo (a,h) anthracene			[.7]	Concentration	ug/L	<5			1		
4.19	(53-70-3)			/ ⊢	Mass	kg/d	<0.11					

Il Number Form Approved 03/05/19
001 OMB No. 2040-0004

 EPA Identification Number
 NPDES Permit Number
 Facility Name
 Outfall Number

 VAR000512939
 VA0002585
 FCWA Griffith Water Treatment
 001

	E B. TOXIC METALS, CYANIDE,		Presence	or Absence ck one)		· ·	(6)(-7)	Efflu	uent			ake ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.20	1,2-dichlorobenzene (95-50-1)			V	Concentration	ug/L	< 5			1		
	1,3-dichlorobenzene				Mass Concentration	kg/d ug/L	< 0.11 < 5			1		
4.21	(541-73-1)			V	Mass	kg/d	< 0.11			1		
4.00	1,4-dichlorobenzene				Concentration	ug/L	< 5			1		
4.22	(106-46-7)			V	Mass	kg/d	< 0.11					
4.23	3,3-dichlorobenzidine			V	Concentration	ug/L	< 5			1		
7.20	(91-94-1)			Ľ	Mass	kg/d	< 0.11					
4.24	Diethyl phthalate (84-66-2)			V	Concentration	ug/L	< 5			1		
	,				Mass	kg/d	< 0.11					
4.25	Dimethyl phthalate (131-11-3)			V	Concentration Mass	ug/L	< 5 < 0.11			1		
	Di-n-butyl phthalate				Concentration	kg/d ug/L	< 5			1		
4.26	(84-74-2)			V	Mass	kg/d	< 0.11					
4.07	2,4-dinitrotoluene				Concentration	ug/L	< 5			1		
4.27	(121-14-2)			V	Mass	kg/d	< 0.11					
4.28	2,6-dinitrotoluene			V	Concentration		na			0		
4.20	(606-20-2)	Ш			Mass		na					
4.29	Di-n-octyl phthalate			V	Concentration		na			0		
0	(117-84-0)				Mass		na					
4.30	1,2-Diphenylhydrazine			V	Concentration	ug/L	< 5			1		
	(as azobenzene) (122-66-7)				Mass	kg/d	< 0.11			_		
4.31	Fluoranthene (206-44-0)			V	Concentration	ug/L	< 5			1		
					Mass Concentration	kg/d	< 0.11			1		
4.32	Fluorene (86-73-7)			V	Mass	ug/L kg/d	< 5 < 0.11			1		

Ill Number Form Approved 03/05/19
001 OMB No. 2040-0004

EPA Identification Number NPDES Permit Number Facility Name Outfall Number

VAR000512939 VA0002585 FCWA Griffith Water Treatment 001

IABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE	Presence	or Absence ck one)	OXIC POLLUTAN	15 (40 CF	R 122.21(g)(7)		uent			take tional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.33	Hexachlorobenzene (118-74-1)			V	Concentration Mass	ug/L kg/d	< 5 < 0.11			1		
4.34	Hexachlorobutadiene			V	Concentration	ug/L	< 5			1		
4.34	(87-68-3)	Ш		ı	Mass	kg/d	< 0.11					
4.35	Hexachlorocyclopentadiene			V	Concentration	ug/L	< 5			1		
	(77-47-4)	_		_	Mass	kg/d	< 0.11					
4.36	Hexachloroethane (67-72-1)			V	Concentration Mass	ug/L kg/d	< 5 < 0.11			1		
4.37	Indeno (1,2,3-cd) pyrene			V	Concentration	ug/L	< 5			1		
ч.01	(193-39-5)				Mass	kg/d	< 0.11					
4.38	Isophorone			V	Concentration	ug/L	< 5			1		
	(78-59-1)				Mass	kg/d	< 0.11					
4.39	Naphthalene (91-20-3)			V	Concentration Mass		na na			0		
4.40	Nitrobenzene			V	Concentration	ug/L	< 5			1		
4.40	(98-95-3)	Ш		<u>J</u>	Mass	kg/d	< 0.11					
4.41	N-nitrosodimethylamine			V	Concentration	ug/L	< 5			1		
7.71	(62-75-9)				Mass	kg/d	< 0.11					
4.42	N-nitrosodi-n-propylamine (621-64-7)			V	Concentration	ug/L	< 5			1		
	,				Mass	kg/d	< 0.11					
4.43	N-nitrosodiphenylamine (86-30-6)			V	Concentration Mass	ug/L kg/d	< 5 < 0.11			1		
	Phenanthrene		_		Concentration	κg/ u	na			0		
4.44	(85-01-8)			V	Mass		na					
4.45	Pyrene			V	Concentration	ug/L	< 5			1		
4.43	(129-00-0)				Mass	kg/d	< 0.11					

EPA Identification Number NPDES Permit Number Facility Name Outfall Number Form Approved 03/05/19
VAR000512939 VA0002585 FCWA Griffith Water Treatment 001

TABL	E D. TOYIO METAL O. OYANIDE	TOTAL BUE	INOLO AND		OVIO DOLLUTANI		D 400 04/ \/7\	/ >>4				
IABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE	Presence	or Absence ck one)	OXIC POLLUTAN	15 (40 CF	R 122.21(g)(7)	Efflu	ient			take tional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.46	1,2,4-trichlorobenzene			V	Concentration	ug/L	< 5			1		1
	(120-82-1)				Mass	kg/d	< 0.11					
Section	on 5. Organic Toxic Pollutants (0	3C/MS Fract	ion—Pestic	ides)	0		1			T -	1	
5.1	Aldrin (309-00-2)			V	Concentration	ug/L	< 0.05			1		
	,				Mass	kg/d	< 0.001					
5.2	α-BHC (319-84-6)			V	Concentration	ug/L	< 0.05			1		
	<u>'</u>				Mass	kg/d	< 0.001					
5.3	β-BHC			V	Concentration	ug/L	< 0.05			1		
	(319-85-7)				Mass	kg/d	< 0.001					
5.4	γ-BHC			V	Concentration	ug/L	< 0.05			1		
	(58-89-9)				Mass	kg/d	< 0.001					
5.5	δ-ΒΗС			V	Concentration		na			0		
	(319-86-8)			_	Mass		na					
5.6	Chlordane			V	Concentration	ug/L	< 0.2			1		ļ
	(57-74-9)		_	_	Mass	kg/d	< 0.004					ļ
5.7	4,4'-DDT			V	Concentration	ug/L	< 0.05			1		
	(50-29-3)				Mass	kg/d	< 0.001					
5.8	4,4'-DDE			V	Concentration	ug/L	< 0.05			1		
	(72-55-9)				Mass	kg/d	< 0.001			_		
5.9	4,4'-DDD (72-54-8)			V	Concentration	ug/L	< 0.05			1		
	,				Mass	kg/d	< 0.001					
5.10	Dieldrin (60-57-1)			V	Concentration	ug/L	< 0.05			1		
	,				Mass	kg/d	< 0.001					
5.11	α-endosulfan			V	Concentration	ug/L	< 0.05			1		<u> </u>
	(115-29-7)		_		Mass	kg/d	< 0.001					

Number Form Approved 03/05/19
01 OMB No. 2040-0004

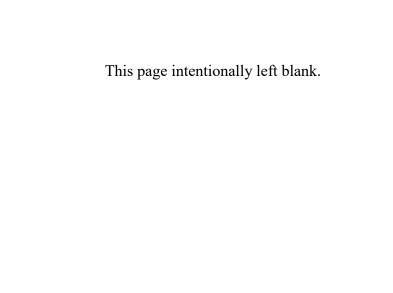
EPA Identification Number NPDES Permit Number Facility Name Outfall Number

VAR000512939 VA0002585 FCWA Griffith Water Treatment 001

				or Absence ck one)				Efflu	uent			t ake tional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.12	β-endosulfan (115-29-7)			V	Concentration	ug/L	< 0.05			1		
	Endosulfan sulfate				Mass Concentration	kg/d ug/L	< 0.001 < 0.05			1		
5.13	(1031-07-8)			V	Mass	kg/d	< 0.001			1		
5.44	Endrin				Concentration	ug/L	< 0.05			1		
5.14	(72-20-8)			V	Mass	kg/d	< 0.001					
5.15	Endrin aldehyde			V	Concentration	ug/L	< 0.05			1		
J. 1J	(7421-93-4)	Ш			Mass	kg/d	< 0.001					
5.16	Heptachlor			V	Concentration	ug/L	< 0.05			1		
	(76-44-8)		_	_	Mass	kg/d	< 0.001					
5.17	Heptachlor epoxide (1024-57-3)			V	Concentration	ug/L	< 0.05			1		
	PCB-1242				Mass Concentration	kg/d ug/L	< 0.001 < 0.05	total	PCBs	1		
5.18	(53469-21-9)			V	Mass	kg/d	< 0.001	totai	PCDS	1		
	PCB-1254	_			Concentration	КБ/ С	na			0		
5.19	(11097-69-1)			V	Mass		na					
۲.00	PCB-1221			V	Concentration		na			0		
5.20	(11104-28-2)	Ш		ע	Mass		na					
5.21	PCB-1232			V	Concentration		na			0		
0.21	(11141-16-5)				Mass		na					
5.22	PCB-1248 (12672-29-6)			V	Concentration		na			0		<u> </u>
	PCB-1260				Mass		na			_		
5.23	(11096-82-5)			V	Concentration		na			0		<u> </u>
	PCB-1016				Mass Concentration		na			0		<u> </u>
5.24	(12674-11-2)			V	Mass		na na			U		<u> </u>

	Pollutant/Parameter (and CAS Number, if available) Toxaphene		ermit Number 02585	FCW	Facility Name FCWA Griffith Water Treatment		Outfall Number 001			Form Approved 0 OMB No. 204		
TABL	E B. TOXIC METALS, CYANIDE	, TOTAL PHE	NOLS, AND	ORGANIC T	OXIC POLLUTAN	TS (40 CFI	R 122.21(g)(7)	(v)) ¹				
			or Absence ck one)			Effluent				Intake (optional)		
			Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.25	•			V	Concentration	ug/L	< 0.5			1		1
5.25	(8001-35-2)				Mass	kg/d	< 0.11					

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).



Outfall Number Form Approved 03/05/19
OMB No. 2040-0004

EPA Identification Number NPDES Permit Number Facility Name Outfall Number

VAR000512939 VA0002585 FCWA Griffith Water Treatment 001

		Presence o					Efflu	ent		Inta (Optio	
	Pollutant	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
	Check here if you b each pollutant.	elieve all polluta	ants on Table (C to be <i>present</i> in	your discha	rge from the noted	outfall. You need	not complete the "P	resence or Abse	ence" column of T	able C for
	Check here if you b each pollutant.	elieve all polluta	ants on Table (C to be absent in y	our discharç	ge from the noted o	utfall. You need <i>n</i>	ot complete the "Pr	esence or Abse	nce" column of Ta	able C for
,	Bromide			Concentration	mg/L	< 1			1		
1.	(24959-67-9)		V	Mass	kg/d	< 22					
2.	Chlorine, total	V		Concentration	mg/L	< 0.01			1		
۷.	residual	J .	Ш	Mass	kg/d	< 0.22					
3.	Color	V		Concentration	PCU	10			1		
J .	00101			Mass		na					
4.	Fecal coliform	V		Concentration	MPN/100	1	e-Coli done		1		
··	1 deal demotiff			Mass		na					
5.	Fluoride	V		Concentration	mg/L	0.13			1		
	(16984-48-8)			Mass	kg/d	2.86					
6	Nitrate-nitrite		V	Concentration	mg/L	1.29			3		
				Mass	kg/d	28.4					
7.	Nitrogen, total		V	Concentration	mg/L	1.6			3		
	organic (as N)			Mass	kg/d	35.2					
8.	Oil and grease		V	Concentration	mg/L	< 5			1		
				Mass	kg/d	< 110					
9.	Phosphorus (as P), total (7723-14-0)	V	Concentration Mass	mg/L	< 0.1			1			
	,, ,			Concentration	kg/d mg/L	< 2.2 21			1		
10.	Sulfate (as SO ₄) (14808-79-8)	V		Mass	mg/L kg/d	462			1		
	(1.1200.00)			Concentration	kg/u	na			0		
11.	Sulfide (as S)		V	Mass		IIa			U		

		Presence o					Efflu	ient		Intake (Optional)	
	Pollutant	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
12.	Sulfite (as SO ₃) (14265-45-3)		V	Concentration		na			0		
	(14203-45-3)			Mass		na			0		
13.	Surfactants		V	Concentration Mass		na na			0		
	Alumainum tatal			Concentration	mg/L	0.582			1		
14.	Aluminum, total (7429-90-5)	V		Mass	kg/d	12.85			_		
	Barium, total			Concentration	<i></i>	na			0		
15.	(7440-39-3)		V	Mass		na					
16.	Boron, total			Concentration		na			0		
10.	(7440-42-8)			Mass		na					
17.	Cobalt, total		V	Concentration		na			0		
17.	(7440-48-4)			Mass		na					
18.	Iron, total	V		Concentration	mg/L	0.044			1		
	(7439-89-6)		_	Mass	kg/d	0.97					
19.	Magnesium, total (7439-95-4)		V	Concentration		na			0		
	Molybdenum,			Mass		na					
20.	total		V	Concentration		na			0		
	(7439-98-7)			Mass		na					
21.	Manganese, total (7439-96-5)	V		Concentration Mass	mg/L	0.046			1		
	,			Concentration	kg/d	1.01			0		
22.	Tin, total (7440-31-5)		V	Mass		na na			U		
	Titanium, total		_	Concentration		na			0		
23.	(7440-32-6)		-	Mass		na					

TAE	LE C. CERTAIN CO	NVENTIONAL	AND NON CO	NVENTIONAL PO	DLLUTANTS	6 (40 CFR 122.21(g)(7)(vi))¹										
			Presence or Absence (check one)				Efflu		Inta (Optio								
Pollutant 24. Radioactivity		Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses						
24.	Radioactivity																
	Alpha, total		П	V	Concentration		na			0		0					
	Aipria, totai			Mass		na											
	Beta, total			П	V	Concentration		na			0						
	Deta, total			Mass		na											
	Radium, total		V	Concentration		na			0								
	ixauluiii, lulai	Ш		Mass		na											
	Radium 226, total									Concentration		na			0		
	Naululli 220, lolai		V	Mass		na											

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

TAB	LE D. CERTAIN HAZARDOUS SUBSTANC	ES AND ASBEST	OS (40 CFR 122.	21(g)(7)(vii)) ¹	
		Presence or			
	Pollutant	Believed Present	Believed Absent	Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
1.	Asbestos		V		see ATTACHMENT A data
2.	Acetaldehyde		V		
3.	Allyl alcohol		V		
4.	Allyl chloride		V		
5.	Amyl acetate		V		
6.	Aniline		V		
7.	Benzonitrile		V		
8.	Benzyl chloride		V		
9.	Butyl acetate		V		
10.	Butylamine		V		
11.	Captan		V		
12.	Carbaryl		V		
13.	Carbofuran		V		
14.	Carbon disulfide		V		
15.	Chlorpyrifos		V		< 0.2 ug/L 05/27/2020
16.	Coumaphos		V		
17.	Cresol		V		
18.	Crotonaldehyde		V		
19.	Cyclohexane		V		

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))1 Presence or Absence (check one) **Available Quantitative Data Pollutant** Reason Pollutant Believed Present in Discharge **Believed Believed** (specify units) Present Absent V 2,4-D (2,4-dichlorophenoxyacetic acid) **V** 21. Diazinon < 1 ug/L 05/27/2020 Dicamba V V Dichlobenil V 24. Dichlone ~ 2,2-dichloropropionic acid V 26. Dichlorvos V Diethyl amine V Dimethyl amine V Dintrobenzene **V** 30. Diquat 31. Disulfoton V V 32. Diuron V Epichlorohydrin V Ethion 34. V Ethylene diamine ~ Ethylene dibromide V Formaldehyde 38. Furfural V

TAB	LE D. CERTAIN HAZARDOUS SUBSTANC			21(g)(7)(vii))¹	
	Pollutant	Presence of (check			Available Quantitative Data
	ronutant	Believed Present	Believed Absent	Reason Pollutant Believed Present in Discharge	(specify units)
39.	Guthion		V		< 1 ug/L 05/27/2020
40.	Isoprene		V		
41.	Isopropanolamine		V		
42.	Kelthane		V		
43.	Kepone		V		< 5 ug/L 05/27/2020
44.	Malathion		V		< 1 ug/L 05/27/2020
45.	Mercaptodimethur		V		
46.	Methoxychlor		V		< 0.05 ug/L 05/27/2020
47.	Methyl mercaptan		V		
48.	Methyl methacrylate		V		
49.	Methyl parathion		V		
50.	Mevinphos		V		
51.	Mexacarbate		V		
52.	Monoethyl amine		V		
53.	Monomethyl amine		V		
54.	Naled		V		
55.	Naphthenic acid		V		
56.	Nitrotoluene		V		
57.	Parathion		V		< 1 ug/L 05/27/2020

TAB	LE D. CERTAIN HAZARDOUS SUBSTANC	CES AND ASBEST	OS (40 CFR 122.	.21(g)(7)(vii))¹	
		Presence or (check			A 11.11 O (11.11 D.)
	Pollutant	Believed Present	Believed Absent	Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
58.	Phenolsulfonate		V		
59.	Phosgene		V		
60.	Propargite		V		
61.	Propylene oxide		V		
62.	Pyrethrins		V		
63.	Quinoline		V		
64.	Resorcinol		V		
65.	Strontium		V		
66.	Strychnine		V		
67.	Styrene		V		
68.	2,4,5-T (2,4,5-trichlorophenoxyacetic acid)		V		
69.	TDE (tetrachlorodiphenyl ethane)		V		
70.	2,4,5-TP [2-(2,4,5-trichlorophenoxy) propanoic acid]		V		
71.	Trichlorofon		V		
72.	Triethanolamine		V		
73.	Triethylamine		V		
74.	Trimethylamine		V		
75.	Uranium		V		
76.	Vanadium		V		

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number	Form Approved 03/05/19
VAR000512939	VA0002585	FCWA Griffith Water Treatment	001	OMB No. 2040-0004

TAE	LE D. CERTAIN HAZARDOUS SUBSTANC	CES AND ASBEST	OS (40 CFR 122.	21(g)(7)(vii))¹	
	Pollutant	Presence or (check		David Dill (a (Dill a ID) a (C) Dialor	Available Quantitative Data
	r ondtant	Believed Present	Believed Absent	Reason Pollutant Believed Present in Discharge	(specify units)
77.	Vinyl acetate		V		
78.	Xylene		V		
79.	Xylenol		V		
80.	Zirconium		V		

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

EPA Identification Number VAR000512939			FCW.	Facility Name A Griffith Water Treatment	Outfall Number 001	Form Approved 03/05/19 OMB No. 2040-0004	
OMPNo							
Pollutant	Congeners Used or	Abse (check Believed	nce one) Believed		Results of Screening Pro	cedure	
2,3,7,8-TCDD			V				

Click to go back to the beginning of Form

Form Approved 03/05/19 OMB No. 2040-0004

	BLE A. CONVENTIONAL AND N					••	luent		Intal (Optio	
	Pollutant	Waiver Requested (if applicable)	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
	Check here if you have applied	to your NPDE	S permitting author	ity for a wai	ver for all of the p	ollutants listed on	this table for the no	ted outfall.		
1.	Biochemical oxygen demand		Concentration	mg/L	7.7			1		
١.	(BOD₅)		Mass	kg/d	0.17					
2.	Chemical oxygen demand		Concentration	mg/L	< 10			1		
۷.	(COD)		Mass	kg/d	< 0.23					
3.	Total organic carbon (TOC)		Concentration	mg/L	5.5.			1		
J.	rotal organic carbon (100)		Mass	kg/d	0.12					
4.	Total suspended solids (TSS)		Concentration	mg/L	4			1		
4.	Total suspended solids (133)		Mass	kg/d	0.09					
5.	Ammonia (as N)		Concentration	mg/L	0.14			1		
J.	Allillollia (as iv)		Mass	kg/d	0.003					
6.	Flow		Rate	MGD	0.006			10		
7.	Temperature (winter)		°C	°C	8.7			5		
1.	Temperature (summer)		°C	°C	21			5		
0	pH (minimum)		Standard units	s.u.	7.2			10		
8.	pH (maximum)		Standard units	s.u.	7.8			10		

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

TABL	E B. TOXIC METALS, CYANIDE	, TOTAL PHE		ORGANIC T	OXIC POLLUTANT		R 122.21(g)(7)	(v)) ¹				
				or Absence ck one)				Efflue	ent			ake ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
	Check here if you qualify as a si 2 through 5 of this table. Note, h											
Section	on 1. Toxic Metals, Cyanide, and	d Total Pheno	ols									
1.1	Antimony, total			V	Concentration	mg/L	na			0		
1.1	(7440-36-0) dissolved				Mass	kg/d	na					<u> </u>
1.2	Arsenic, total			V	Concentration	mg/L	na			0		<u> </u>
	(7440-38-2)				Mass	kg/d	na					<u> </u>
1.3	Beryllium, total			V	Concentration	mg/L	na			0		
	(7440-41-7)			_	Mass	kg/d	na					
1.4	Cadmium, total (7440-43-9)			V	Concentration	mg/L	na			0		
	,				Mass Concentration	kg/d	na			0		
1.5	Chromium, total (7440-47-3)			V	Mass	mg/L kg/d	na			U		<u> </u>
	Copper, total				Concentration	mg/L	na 0.002			1		
1.6	(7440-50-8)		V		Mass	kg/d	4.5x10^-5			-		
	Lead, total				Concentration	mg/L	na			0		. <u> </u>
1.7	(7439-92-1)			V	Mass	kg/d	na					
4.0	Mercury, total				Concentration	mg/L	na			0		
1.8	(7439-97-6)			V	Mass	kg/d	na					
1.9	Nickel, total			V	Concentration	mg/L	na			0		
1.9	(7440-02-0)			Ľ	Mass	kg/d	na					
1.10	Selenium, total			V	Concentration	mg/L	na			0		<u> </u>
1.10	(7782-49-2)			ت ت	Mass	kg/d	na					<u> </u>
1.11	Silver, total			V	Concentration	mg/L	na			0		
	(7440-22-4)				Mass	kg/d	na					<u> </u>

TADI	E B. TOXIC METALS, CYANIDE,	TOTAL DUE	NOIS AND		OVIC POLLUTANI		P 122 21(a)(7)	(v)\1				
IABL	LE B. TOXIC METALS, CTANIDE,	TOTAL PHE	Presence	or Absence ck one)	OXIC POLLUTAN	13 (40 CF	K 122.21(9)(7)	Efflu	ent			t ake tional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
1.12	Thallium, total (7440-28-0)			V	Concentration	mg/L	na			0		
	,				Mass	kg/d	na					
1.13	Zinc, total (7440-66-6)			V	Concentration Mass	mg/L	<0.005			1		
	,				Concentration	kg/d mg/L	<0.0001			0		
1.14	Cyanide, total (57-12-5)			V	Mass	kg/d	na na			U		
	(0. 12 0)				Concentration	ug/L	na			0		
1.15	Phenols, total			V	Mass	kg/d	na			0		
Section	on 2. Organic Toxic Pollutants (0	C/MS Fract	ion—Volatil	e Compound		6/ =	1	<u>l</u>				
2.1	Acrolein			V	Concentration	ug/L				0		
2.1	(107-02-8)				Mass	kg/d						
2.2	Acrylonitrile			V	Concentration	ug/L				0		
2.2	(107-13-1)				Mass	kg/d						
2.3	Benzene			V	Concentration	ug/L				0		
2.0	(71-43-2)				Mass	kg/d						
2.4	Bromoform			V	Concentration	ug/L				0		<u> </u>
	(75-25-2)				Mass	kg/d						
2.5	Carbon tetrachloride			V	Concentration	ug/L				0		
	(56-23-5)			_	Mass	kg/d						
2.6	Chlorobenzene			V	Concentration	ug/L				0		
	(108-90-7)		_	_	Mass	kg/d						
2.7	Chlorodibromomethane (124-48-1)			V	Concentration	ug/L				0		
	, ,				Mass	kg/d				_		
2.8	Chloroethane (75-00-3)			V	Concentration	ug/L				0		
	(13-00-3)				Mass	kg/d						<u> </u>

Ill Number Form Approved 03/05/19
OO7 OMB No. 2040-0004

	E B. TOXIC METALS, CYANIDE,		Presence	or Absence ck one)			(3)(7)		uent			t ake tional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.9	2-chloroethylvinyl ether (110-75-8)			V	Concentration Mass					0		
2.10	Chloroform (67-66-3)			V	Concentration Mass	ug/L kg/d				0		
2.11	Dichlorobromomethane (75-27-4)			V	Concentration Mass	ug/L kg/d				0		0
2.12	1,1-dichloroethane (75-34-3)			V	Concentration Mass					0		0
2.13	1,2-dichloroethane (107-06-2)			V	Concentration Mass	ug/L kg/d				0		0
2.14	1,1-dichloroethylene (75-35-4)			V	Concentration Mass	ug/L kg/d				0		0
2.15	1,2-dichloropropane (78-87-5)			V	Concentration Mass	ug/L kg/d				0		0
2.16	1,3-dichloropropylene (542-75-6)			V	Concentration Mass	ug/L kg/d				0		0
2.17	Ethylbenzene (100-41-4)			V	Concentration Mass	ug/L kg/d				0		0
2.18	Methyl bromide (74-83-9)			V	Concentration Mass	ug/L kg/d				0		0
2.19	Methyl chloride (74-87-3)			V	Concentration Mass					0		0
2.20	Methylene chloride (75-09-2)			V	Concentration Mass	ug/L kg/d				0		0
2.21	1,1,2,2- tetrachloroethane (79-34-5)			V	Concentration Mass	ug/L kg/d				0		0

				or Absence ck one)				Efflo	uent			ake ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.22	Tetrachloroethylene (127-18-4)			V	Concentration Mass	ug/L kg/d				0		
2.23	Toluene (108-88-3)			V	Concentration Mass	ug/L				0		
2.24	1,2-trans-dichloroethylene (156-60-5)			V	Concentration Mass	kg/d ug/L kg/d				0		
2.25	1,1,1-trichloroethane (71-55-6)			V	Concentration Mass	ку/и				0		
2.26	1,1,2-trichloroethane (79-00-5)			V	Concentration Mass	ug/L				0		
2.27	Trichloroethylene (79-01-6)			V	Concentration Mass	kg/d ug/L				0		
2.28	Vinyl chloride (75-01-4)			V	Concentration Mass	kg/d ug/L kg/d				0		
Section	on 3. Organic Toxic Pollutants (0	C/MS Fract	on—Acid C	ompounds)	IVIASS	Kg/u						
3.1	2-chlorophenol (95-57-8)			V	Concentration Mass	ug/L kg/d				0		
3.2	2,4-dichlorophenol (120-83-2)			V	Concentration Mass	ug/L kg/d				0		
3.3	2,4-dimethylphenol (105-67-9)			V	Concentration Mass	ug/L kg/d				0		
3.4	4,6-dinitro-o-cresol (534-52-1)			V	Concentration Mass	ug/L kg/d				0		
3.5	2,4-dinitrophenol (51-28-5)			V	Concentration Mass	ug/L kg/d				0		

TABI		TOTAL DUE	NOLO AND		YOYLO DOLLUTANT		D 400 04()(Z)	/ XV				
IABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE	Presence	or Absence ck one)	OXIC POLLUTAN	15 (40 CF	R 122.21(g)(7)	Efflu	ent			t ake ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
3.6	2-nitrophenol (88-75-5)			V	Concentration Mass					0		
3.7	4-nitrophenol (100-02-7)			V	Concentration Mass					0		
3.8	p-chloro-m-cresol (59-50-7)			V	Concentration Mass					0		
3.9	Pentachlorophenol (87-86-5)			V	Concentration Mass	ug/L kg/d				0		
3.10	Phenol (108-95-2)			V	Concentration Mass	ug/L kg/d				0		
3.11	2,4,6-trichlorophenol (88-05-2)			V	Concentration Mass	ug/L kg/d				0		
Secti	on 4. Organic Toxic Pollutants (GC/MS Fract	ion—Base /	Neutral Com	pounds)	<u> </u>						
4.1	Acenaphthene (83-32-9)			V	Concentration Mass	ug/L kg/d				0		
4.2	Acenaphthylene (208-96-8)			V	Concentration Mass					0		
4.3	Anthracene (120-12-7)			V	Concentration Mass	ug/L kg/d				0		
4.4	Benzidine (92-87-5)			V	Concentration Mass	ug/L kg/d				0		
4.5	Benzo (a) anthracene (56-55-3)			V	Concentration Mass	ug/L kg/d				0		
4.6	Benzo (a) pyrene (50-32-8)			V	Concentration Mass	ug/L kg/d				0		

tfall Number Form Approved 03/05/19
OMB No. 2040-0004

TABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE			OXIC POLLUTAN	rs (40 CFI	R 122.21(g)(7)	(v))¹				
				or Absence ck one)				Efflu	uent			ake ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.7	3,4-benzofluoranthene (205-99-2)			V	Concentration Mass	ug/L kg/d				0		
4.8	Benzo (ghi) perylene (191-24-2)			V	Concentration	Ng/ u				0		
4.9	Benzo (k) fluoranthene			V	Mass Concentration	ug/L				0		
4.10	(207-08-9) Bis (2-chloroethoxy) methane				Mass Concentration	kg/d				0		
4.11	(111-91-1) Bis (2-chloroethyl) ether				Mass Concentration	ug/L				0		
4.12	(111-44-4) Bis (2-chloroisopropyl) ether				Mass Concentration	kg/d ug/L				0		
4.13	(102-80-1) Bis (2-ethylhexyl) phthalate			<u> </u>	Mass Concentration	kg/d ug/L				0		
4.14	(117-81-7) 4-bromophenyl phenyl ether				Mass Concentration	kg/d				0		
4.15	(101-55-3) Butyl benzyl phthalate				Mass Concentration	ug/L				0		
4.16	(85-68-7) 2-chloronaphthalene				Mass Concentration	kg/d ug/L				0		
	(91-58-7) 4-chlorophenyl phenyl ether	<u> </u>			Mass Concentration	kg/d				0		
4.17	(7005-72-3) Chrysene			V	Mass Concentration	ug/L				0		
4.18	(218-01-9)			V	Mass	kg/d						
4.19	Dibenzo (a,h) anthracene (53-70-3)			V	Concentration Mass	ug/L kg/d				0		

tfall Number Form Approved 03/05/19
007 OMB No. 2040-0004

TABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE			OXIC POLLUTAN	TS (40 CFI	R 122.21(g)(7)	(v)) ¹				
				or Absence ck one)				Efflu	uent			ake ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.20	1,2-dichlorobenzene			V	Concentration	ug/L				0		
7.20	(95-50-1)				Mass	kg/d						
4.21	1,3-dichlorobenzene			V	Concentration	ug/L				0		
	(541-73-1)				Mass	kg/d						
4.22	1,4-dichlorobenzene			V	Concentration	ug/L				0		
	(106-46-7)				Mass	kg/d						
4.23	3,3-dichlorobenzidine (91-94-1)			V	Concentration	ug/L				0		
	,				Mass	kg/d						
4.24	Diethyl phthalate (84-66-2)			V	Concentration	ug/L				0		
	,				Mass Concentration	kg/d				•		
4.25	Dimethyl phthalate (131-11-3)			V	Mass	ug/L kg/d				0		
	,				Concentration	ug/L				0		
4.26	Di-n-butyl phthalate (84-74-2)			V	Mass	kg/d				U		
	2,4-dinitrotoluene				Concentration	ug/L				0		
4.27	(121-14-2)			V	Mass	kg/d						
	2,6-dinitrotoluene				Concentration	6/				0		
4.28	(606-20-2)			V	Mass							
	Di-n-octyl phthalate				Concentration					0		
4.29	(117-84-0)			V	Mass							
4.00	1,2-Diphenylhydrazine				Concentration	ug/L				0		
4.30	(as azobenzene) (122-66-7)				Mass	kg/d						
4 24	Fluoranthene			[Z]	Concentration	ug/L				0		
4.31	(206-44-0)			V	Mass	kg/d	_	_		_		
4.32	Fluorene			V	Concentration	ug/L				0		
4.32	(86-73-7)				Mass	kg/d						

Ill Number Form Approved 03/05/19
OO7 OMB No. 2040-0004

TABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE	NOLS, AND	ORGANIC T	OXIC POLLUTAN	TS (40 CFI	R 122.21(g)(7)	(v)) ¹				
				or Absence ck one)				Efflo	uent			ake ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.33	Hexachlorobenzene (118-74-1)			V	Concentration Mass	ug/L kg/d				0		
4.34	Hexachlorobutadiene			V	Concentration	ug/L				0		
4.35	(87-68-3) Hexachlorocyclopentadiene				Mass Concentration	kg/d ug/L				0		
4.33	(77-47-4)	Ш			Mass	kg/d						
4.36	Hexachloroethane (67-72-1)			V	Concentration Mass	ug/L kg/d				0		
4.37	Indeno (1,2,3-cd) pyrene (193-39-5)			V	Concentration Mass	ug/L kg/d				0		
4.38	Isophorone (78-59-1)			V	Concentration Mass	ug/L				0		
4.39	Naphthalene (91-20-3)			V	Concentration Mass	kg/d				0		
4.40	Nitrobenzene			V	Concentration	ug/L				0		
4.41	(98-95-3) N-nitrosodimethylamine				Mass Concentration	kg/d ug/L				0		
	(62-75-9) N-nitrosodi-n-propylamine				Mass Concentration	kg/d ug/L				0		
4.42	(621-64-7)			V	Mass	kg/d						
4.43	N-nitrosodiphenylamine (86-30-6)			V	Concentration Mass	ug/L kg/d				0		
4.44	Phenanthrene (85-01-8)			V	Concentration Mass					0		
4.45	Pyrene			V	Concentration	ug/L				0		
	(129-00-0)]	Mass	kg/d						<u> </u>

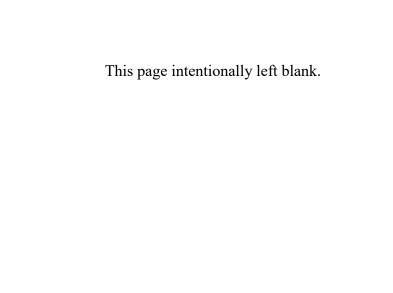
	7.11.0000222333				A Griffien Water Tre							
TABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE	Presence	ORGANIC T or Absence ck one)	OXIC POLLUTANT	S (40 CF	R 122.21(g)(7)	(v)) ¹ Efflu	uent			take tional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.46	1,2,4-trichlorobenzene			V	Concentration	ug/L				0		0
Casti	(120-82-1)				Mass	kg/d						
Section	on 5. Organic Toxic Pollutants (C	JC/MS Fract	ion—Pestici	iaes)	Concentration	/1				0		
5.1	Aldrin (309-00-2)			V	Mass	ug/L kg/d				U		
					Concentration	ug/L				0		
5.2	α-BHC (319-84-6)			V	Mass	kg/d				U		
-	<u>'</u>				Concentration	ug/L				0		
5.3	β-BHC (319-85-7)			V	Mass	kg/d				U		
	у-ВНС				Concentration	ug/L				0		
5.4	(58-89-9)			V	Mass	kg/d						
	δ-BHC				Concentration	6/				0		
5.5	(319-86-8)			V	Mass							
	Chlordane		_		Concentration	ug/L				0		
5.6	(57-74-9)			V	Mass	kg/d						
	4,4'-DDT				Concentration	ug/L				0		
5.7	(50-29-3)			V	Mass	kg/d						
5.8	4,4'-DDE			V	Concentration	ug/L				0		
5.0	(72-55-9)	Ш			Mass	kg/d						
5.9	4,4'-DDD			V	Concentration	ug/L				0		
0.5	(72-54-8)			ت	Mass	kg/d						
5.10	Dieldrin			V	Concentration	ug/L				0		
0.10	(60-57-1)				Mass	kg/d						
5.11	α-endosulfan			V	Concentration	ug/L				0		<u> </u>
~ ' '	(115-29-7)				Mass	kg/d						

Number Form Approved 03/05/19 OMB No. 2040-0004

IABL	E B. TOXIC METALS, CYANIDE,	OTALTHE	Presence	or Absence ek one)	OAIO I OEEO IAIN		(uent			a ke ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.12	β-endosulfan (115-29-7)			V	Concentration Mass	ug/L kg/d				0		
5.13	Endosulfan sulfate (1031-07-8)			V	Concentration Mass	ug/L				0		
5.14	Endrin (72-20-8)			V	Concentration Mass	kg/d ug/L kg/d				0		
5.15	Endrin aldehyde (7421-93-4)			V	Concentration Mass	ug/L kg/d				0		
5.16	Heptachlor (76-44-8)			V	Concentration Mass	ug/L kg/d				0		
5.17	Heptachlor epoxide (1024-57-3)			V	Concentration Mass	ug/L kg/d				0		
5.18	PCB-1242 (53469-21-9)			V	Concentration Mass	ug/L kg/d				0		
5.19	PCB-1254 (11097-69-1)			V	Concentration Mass		na na			0		
5.20	PCB-1221 (11104-28-2)			V	Concentration Mass		na na			0		
5.21	PCB-1232 (11141-16-5)			V	Concentration Mass		na na			0		
5.22	PCB-1248 (12672-29-6)			V	Concentration Mass		na na			0		
5.23	PCB-1260 (11096-82-5)			V	Concentration Mass		na			0		
5.24	PCB-1016 (12674-11-2)			V	Concentration Mass		na na			0		

	EPA Identification Number VAR000512939		ermit Number 02585	FCW	Facility Name A Griffith Water Tr	eatment	Ou	utfall Number 007				ved 03/05/19 o. 2040-0004
TABL	E B. TOXIC METALS, CYANIDE	, TOTAL PHE	NOLS, AND	ORGANIC T	OXIC POLLUTAN	TS (40 CFI	R 122.21(g)(7)	(v)) ¹				
				or Absence ck one)				Efflo	uent		-	ake onal)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.25	Toxaphene			V	Concentration	ug/L				0		0
5.25	(8001-35-2)				Mass	kg/d						

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).



Outfall Number Form Approved 03/05/19
OMB No. 2040-0004

EPA Identification Number NPDES Permit Number Facility Name Outfall Number

VAR000512939 VA0002585 FCWA Griffith Water Treatment 007

	LE C. CERTAIN CO	Presence o	r Absence				Efflu	ent		Intal (Option	
	Pollutant	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
	Check here if you b each pollutant.	elieve all polluta	ants on Table (C to be <i>present</i> in y	your discha	rge from the noted	outfall. You need	not complete the "F	Presence or Abse	ence" column of T	able C for
	Check here if you b each pollutant.	elieve all polluta	ants on Table (C to be absent in y	our discharç	ge from the noted o	utfall. You need <i>n</i>	oot complete the "Pr	resence or Abser	nce" column of Ta	able C for
1.	Bromide		V	Concentration	mg/L	< 1			1		
	(24959-67-9)	<u> </u>		Mass	kg/d	< 0.023					
2.	Chlorine, total		V	Concentration	mg/L				0		
	residual			Mass	kg/d						
3.	Color	V		Concentration	PCU	30			1		
				Mass		na					
4.	Fecal coliform	V		Concentration	MPN/100	<1	e-Coli done		1		
				Mass		na					
5.	Fluoride (16984-48-8)	V		Concentration	mg/L	0.1			1		
	(10304-40-0)			Mass	kg/d	0.002					
6	Nitrate-nitrite		V	Concentration Mass	mg/L				0		
	AP(Concentration	kg/d				0		
7.	Nitrogen, total organic (as N)		V	Mass	mg/L kg/d				U		
	organio (do 11)			Concentration	mg/L				0		
8.	Oil and grease		V	Mass	kg/d				0		
	Phosphorus (as			Concentration	mg/L	< 0.1			1		
9.	P), total (7723-14-0)		V	Mass	kg/d	< 0.002			-		
	Sulfate (as SO ₄)	_		Concentration	mg/L	14.1			1		
10.	(14808-79-8)	V		Mass	kg/d	0.32			_		
		_		Concentration		na			0		
11.	Sulfide (as S)		V	Mass		na			-		

		Presence o					Efflu	ient		Inta (Optio	
	Pollutant	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
2.	Sulfite (as SO ₃)		V	Concentration		na			0		
۷.	(14265-45-3)			Mass		na					
3.	Surfactants		V	Concentration		na			0		
υ.	Ouriaciants			Mass		na					
14.	Aluminum, total	V		Concentration	mg/L	0.121			1		
т.	(7429-90-5)	<u> </u>		Mass	kg/d	0.003					
15.	Barium, total		V	Concentration		na			0		
J.	(7440-39-3)			Mass		na					
16.	Boron, total		V	Concentration		na			0		
ΙΟ.	(7440-42-8)			Mass		na					
17.	Cobalt, total		V	Concentration		na			0		
17.	(7440-48-4)			Mass		na					
8.	Iron, total	V		Concentration	mg/L	0.35			1		
ΙΟ.	(7439-89-6)	<u> </u>		Mass	kg/d	0.008					
19.	Magnesium, total		V	Concentration		na			0		
٥.	(7439-95-4)			Mass		na					
20.	Molybdenum,		V	Concentration		na			0		
20.	total (7439-98-7)	Ш		Mass		na					
	Manganese, total			Concentration	mg/L	0.353			1		
21.	(7439-96-5)	V		Mass	kg/d	0.008					
2	Tin, total			Concentration		na			0		
22.	(7440-31-5)		V	Mass		na					
12	Titanium, total			Concentration		na			0		
23.	(7440-32-6)		V	Mass		na					

TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi)) ¹											
		Presence or Absence (check one)				Effluent				Intake (Optional)	
	Pollutant	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
24.	Radioactivity										
	Alpha, total		V	Concentration		na			0		0
	Aipria, totai			Mass		na					
	Beta, total	П	V	Concentration		na			0		
	Dela, Iolai	Ц		Mass		na					
	Radium, total	П	V	Concentration		na			0		
	Radium, total	Ц		Mass		na					
	Radium 226, total		V	Concentration		na			0		
	Radium 220, total	Mass		na							

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

TAB	TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))1								
		Presence or Absence (check one)			A STATE OF STATE OF STATE				
	Pollutant	Believed Present	Believed Absent	Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)				
1.	Asbestos		Absent						
2.	Acetaldehyde		V						
3.	Allyl alcohol		V						
4.	Allyl chloride		V						
5.	Amyl acetate		V						
6.	Aniline		V						
7.	Benzonitrile		V						
8.	Benzyl chloride		V						
9.	Butyl acetate		V						
10.	Butylamine		V						
11.	Captan		V						
12.	Carbaryl		V						
13.	Carbofuran		V						
14.	Carbon disulfide		V						
15.	Chlorpyrifos		V						
16.	Coumaphos		V						
17.	Cresol		V						
18.	Crotonaldehyde		V						
19.	Cyclohexane		V						

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))1 Presence or Absence (check one) **Available Quantitative Data Pollutant** Reason Pollutant Believed Present in Discharge **Believed** Believed (specify units) Present Absent V 2,4-D (2,4-dichlorophenoxyacetic acid) **V** 21. Diazinon V Dicamba V Dichlobenil V 24. Dichlone ~ 2,2-dichloropropionic acid V 26. Dichlorvos V Diethyl amine V Dimethyl amine V Dintrobenzene **V** 30. Diquat 31. Disulfoton V V 32. Diuron V Epichlorohydrin V Ethion 34. V Ethylene diamine V Ethylene dibromide V Formaldehyde 38. Furfural V

TAB	TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))1								
		Presence or (check	Absence						
	Pollutant	Believed	Believed	Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)				
		Present	Absent						
39.	Guthion		V						
40.	Isoprene		V						
41.	Isopropanolamine		\						
42.	Kelthane		V						
43.	Kepone		V						
44.	Malathion		V						
45.	Mercaptodimethur		V						
46.	Methoxychlor		V						
47.	Methyl mercaptan		\						
48.	Methyl methacrylate		V						
49.	Methyl parathion		V						
50.	Mevinphos		V						
51.	Mexacarbate		V						
52.	Monoethyl amine		V						
53.	Monomethyl amine		V						
54.	Naled		V						
55.	Naphthenic acid		V						
56.	Nitrotoluene		V						
57.	Parathion		V						

TAB	TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))1								
		Presence or Absence (check one)			A				
	Pollutant	Believed Present	Believed Absent	Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)				
58.	Phenolsulfonate		V						
59.	Phosgene		V						
60.	Propargite		V						
61.	Propylene oxide		V						
62.	Pyrethrins		V						
63.	Quinoline		V						
64.	Resorcinol		V						
65.	Strontium		V						
66.	Strychnine		V						
67.	Styrene		V						
68.	2,4,5-T (2,4,5-trichlorophenoxyacetic acid)		V						
69.	TDE (tetrachlorodiphenyl ethane)		V						
70.	2,4,5-TP [2-(2,4,5-trichlorophenoxy) propanoic acid]		V						
71.	Trichlorofon		V						
72.	Triethanolamine		V						
73.	Triethylamine		V						
74.	Trimethylamine		V		_				
75.	Uranium		V						
76.	Vanadium		V						

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number	Form Approved 03/05/19
VAR000512939	VA0002585	FCWA Griffith Water Treatment	007	OMB No. 2040-0004

TAB	TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii)) ¹									
	Pollutant	Presence or Absence (check one)			Available Quantitative Data					
	i onutunt	Believed Present	Believed Absent	Reason Pollutant Believed Present in Discharge	(specify units)					
77.	Vinyl acetate		V							
78.	Xylene		V							
79.	Xylenol		V							
80.	Zirconium		V							

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

EPA Identification Number VAR000512939	NPDES Per VA000	mit Number 02585	FCW.	Facility Name A Griffith Water Treatment	Outfall Number 007	Form Approved 03/05/19 OMB No. 2040-0004
TABLE E. 2,3,7,8 TETRACHLORO	DIBENZO P DIO)	(IN (2,3,7,8 T	CDD) (40 CF	FR 122.21(g)(7)(viii))		
Pollutant	TCDD Congeners Used or Manufactured	Present Abse (check Believed Present	nce		Results of Screening Pro	cedure
2,3,7,8-TCDD			V			

Click to go back to the beginning of Form

TABLE A. CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(q)(7)(iii))1 Intake **Effluent** (Optional) Waiver Maximum Maximum Long-Term Units **Pollutant** Requested Daily Average Daily Number of Long-Term Number of (specify) Monthly (if applicable) **Analyses** Average Value Analyses Discharge Discharge Discharge (required) (if available) (if available) Check here if you have applied to your NPDES permitting authority for a waiver for all of the pollutants listed on this table for the noted outfall. 3.4 Concentration mg/L 1 Biochemical oxygen demand (BOD₅) Mass kg/d 0.09 Concentration mg/L 13 1 Chemical oxygen demand 2. (COD) Mass kg/d 0.34 Concentration mg/L 1 5.5 Total organic carbon (TOC) Mass kg/d 0.15 Concentration mg/L 10 11 Total suspended solids (TSS) Mass kg/d 0.29 Concentration mg/L 0.13 1 Ammonia (as N) Mass kg/d 0.003 Flow 6. Rate MGD 0.007 10 °C °C Temperature (winter) 5 10.3 7. Temperature (summer) °C °C 21.4 5 pH (minimum) Standard units s.u. 6.9 10 8. Standard units pH (maximum) 7.7 10 S.U.

Form Approved 03/05/19 OMB No. 2040-0004

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

					C.IIIICII Water III							
TABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE	Presence	ORGANIC T or Absence ck one)	OXIC POLLUTAN	TS (40 CF	R 122.21(g)(7))(v)) ¹ Efflue	ent			ake ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
	Check here if you qualify as a sn 2 through 5 of this table. Note, he											
Section	on 1. Toxic Metals, Cyanide, and	Total Pheno	ols									
1.1	Antimony, total			V	Concentration	mg/L	na			0		
	(7440-36-0) dissolved				Mass	kg/d	na					
1.2	Arsenic, total			V	Concentration	mg/L	na			0		
	(7440-38-2)	_		IN C	Mass	kg/d	na					
1.3	Beryllium, total (7440-41-7)			v	Concentration Mass	mg/L	na			0		
	,				Concentration	kg/d mg/L	na na			0		
1.4	Cadmium, total (7440-43-9)			V	Mass	kg/d	na					
	Chromium, total				Concentration	mg/L	na			0		
1.5	(7440-47-3)			V	Mass	kg/d	na					
4.0	Copper, total				Concentration	mg/L	0.004			1		
1.6	(7440-50-8)		V		Mass	kg/d	0.0001					
1.7	Lead, total			V	Concentration	mg/L	na			0		
1.7	(7439-92-1)		Ш		Mass	kg/d	na					
1.8	Mercury, total			V	Concentration	mg/L	na			0		
	(7439-97-6)			_	Mass	kg/d	na					
1.9	Nickel, total (7440-02-0)				Concentration	mg/L	na			0		
	,			M	Mass	kg/d	na			0		
1.10	Selenium, total (7782-49-2)			V	Concentration Mass	mg/L kg/d	na			U		
	Silver, total				Concentration	mg/L	na na			0		
1.11	(7440-22-4)			V	Mass	kg/d	na					

	E B. TOXIC METALS, CYANIDE,		Presence	or Absence ck one)				Efflu	uent			take tional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
1.12	Thallium, total			V	Concentration	mg/L	na			0		
	(7440-28-0)			_	Mass	kg/d	na					
1.13	Zinc, total (7440-66-6)			V	Concentration	mg/L	<0.005			1		
	,				Mass	kg/d	<0.0001					
1.14	Cyanide, total (57-12-5)			V	Concentration	mg/L	na			0		
	(37-12-3)				Mass Concentration	kg/d	na					
1.15	Phenols, total			V	Mass	ug/L	na			0		
Section	ction 2. Organic Toxic Pollutants (GC/MS Fraction—Volatile Comp					kg/d	na					
	Acrolein				Concentration	ug/L				0		
2.1	(107-02-8)			V	Mass	kg/d						
2.2	Acrylonitrile			V	Concentration	ug/L				0		
2.2	(107-13-1)		Ш		Mass	kg/d						
2.3	Benzene			V	Concentration	ug/L				0		
2.3	(71-43-2)				Mass	kg/d						
2.4	Bromoform			V	Concentration	ug/L				0		
2.4	(75-25-2)			Ľ	Mass	kg/d						
2.5	Carbon tetrachloride			V	Concentration	ug/L				0		
2.0	(56-23-5)				Mass	kg/d						
2.6	Chlorobenzene			V	Concentration	ug/L				0		
	(108-90-7)				Mass	kg/d						
2.7	Chlorodibromomethane			V	Concentration	ug/L				0		ļ
	(124-48-1)		_ 		Mass	kg/d						<u> </u>
2.8	Chloroethane			V	Concentration	ug/L				0		
	(75-00-3)				Mass	kg/d						1

all Number Form Approved 03/05/19
OMB No. 2040-0004

EPA Identification Number NPDES Permit Number Facility Name Outfall Number

VAR000512939 VA0002585 FCWA Griffith Water Treatment 008

TABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE	Presence	ORGANIC T or Absence ck one)	OXIC POLLUTANI	'S (40 CFF	R 122.21(g)(7)		uent			take tional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.9	2-chloroethylvinyl ether (110-75-8)			V	Concentration Mass					0		
2.10	Chloroform (67-66-3)			V	Concentration Mass	ug/L kg/d				0		
2.11	Dichlorobromomethane (75-27-4)			V	Concentration Mass	ug/L kg/d				0		0
2.12	1,1-dichloroethane (75-34-3)			V	Concentration Mass	Kg/ u				0		0
2.13	1,2-dichloroethane (107-06-2)			V	Concentration Mass	ug/L kg/d				0		0
2.14	1,1-dichloroethylene (75-35-4)			V	Concentration Mass	ug/L kg/d				0		0
2.15	1,2-dichloropropane (78-87-5)			V	Concentration Mass	ug/L kg/d				0		0
2.16	1,3-dichloropropylene (542-75-6)			V	Concentration Mass	ug/L kg/d				0		0
2.17	Ethylbenzene (100-41-4)			V	Concentration Mass	ug/L kg/d				0		0
2.18	Methyl bromide (74-83-9)			V	Concentration Mass	ug/L kg/d				0		0
2.19	Methyl chloride (74-87-3)			V	Concentration Mass	6/				0		0
2.20	Methylene chloride (75-09-2)			V	Concentration Mass	ug/L kg/d				0		0
2.21	1,1,2,2- tetrachloroethane (79-34-5)			V	Concentration Mass	ug/L kg/d				0		0

				or Absence ck one)				Efflo	uent			ake ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.22	Tetrachloroethylene (127-18-4)			V	Concentration Mass	ug/L kg/d				0		
2.23	Toluene (108-88-3)			V	Concentration Mass	ug/L				0		
2.24	1,2-trans-dichloroethylene (156-60-5)			V	Concentration Mass	kg/d ug/L kg/d				0		
2.25	1,1,1-trichloroethane (71-55-6)			V	Concentration Mass	kg/u				0		
2.26	1,1,2-trichloroethane (79-00-5)			V	Concentration Mass	ug/L kg/d				0		
2.27	Trichloroethylene (79-01-6)			V	Concentration Mass	ug/L				0		
2.28	Vinyl chloride (75-01-4)			V	Concentration Mass	kg/d ug/L kg/d				0		
Section	on 3. Organic Toxic Pollutants (0	C/MS Fract	on—Acid C	ompounds)	Iviass	kg/u						
3.1	2-chlorophenol (95-57-8)			V	Concentration Mass	ug/L kg/d				0		
3.2	2,4-dichlorophenol (120-83-2)			V	Concentration Mass	ug/L kg/d				0		
3.3	2,4-dimethylphenol (105-67-9)			V	Concentration Mass	ug/L kg/d				0		
3.4	4,6-dinitro-o-cresol (534-52-1)			V	Concentration Mass	ug/L kg/d				0		
3.5	2,4-dinitrophenol (51-28-5)			V	Concentration Mass	ug/L kg/d				0		

Facility Name Outfall Number Form Approved 03/05/19
FCWA Griffith Water Treatment 008 OMB No. 2040-0004

	V/ II(000312333	******	02000		7 Gillian Water Inc			000				
TABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE			OXIC POLLUTANT	S (40 CF	R 122.21(g)(7)	(v)) ¹				
				or Absence ck one)				Efflu	ient		-	take tional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
3.6	2-nitrophenol (88-75-5)			V	Concentration Mass					0		
3.7	4-nitrophenol			V	Concentration					0		
U.,	(100-02-7)				Mass							
3.8	p-chloro-m-cresol (59-50-7)			V	Concentration Mass					0		
3.9	Pentachlorophenol			V	Concentration	ug/L				0		
	(87-86-5)]	Mass	kg/d						
3.10	Phenol (108-95-2)			V	Concentration Mass	ug/L kg/d				0		
3.11	2,4,6-trichlorophenol			V	Concentration	ug/L				0		
	(88-05-2)				Mass	kg/d						
Section	on 4. Organic Toxic Pollutants (0	GC/MS Fract	ion—Base /	Neutral Com	,		T			T		
4.1	Acenaphthene (83-32-9)			V	Concentration Mass	ug/L kg/d				0		
4.2	Acenaphthylene			V	Concentration	Ng/u				0		
7.2	(208-96-8)				Mass							
4.3	Anthracene			V	Concentration	ug/L				0		
	(120-12-7)		_	_	Mass	kg/d				_	-	
4.4	Benzidine (92-87-5)			V	Concentration Mass	ug/L kg/d				0		
 	Benzo (a) anthracene				Concentration	ug/L				0		
4.5	(56-55-3)			V	Mass	kg/d						
4.6	Benzo (a) pyrene			V	Concentration	ug/L				0		
	(50-32-8)				Mass	kg/d						1

EPA Identification Number

VAR000512939

NPDES Permit Number

VA0002585

all Number Form Approved 03/05/19
OMB No. 2040-0004

 EPA Identification Number
 NPDES Permit Number
 Facility Name
 Outfall Number

 VAR000512939
 VA0002585
 FCWA Griffith Water Treatment
 008

TABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE			OXIC POLLUTAN	rs (40 CFI	R 122.21(g)(7)	(v))¹				
				or Absence ck one)				Efflu	uent			ake ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.7	3,4-benzofluoranthene (205-99-2)			V	Concentration Mass	ug/L kg/d				0		
4.8	Benzo (ghi) perylene (191-24-2)			V	Concentration	Ng/ u				0		
4.9	Benzo (k) fluoranthene			V	Mass Concentration	ug/L				0		
4.10	(207-08-9) Bis (2-chloroethoxy) methane				Mass Concentration	kg/d				0		
4.11	(111-91-1) Bis (2-chloroethyl) ether				Mass Concentration	ug/L				0		
4.12	(111-44-4) Bis (2-chloroisopropyl) ether				Mass Concentration	kg/d ug/L				0		
4.13	(102-80-1) Bis (2-ethylhexyl) phthalate			<u> </u>	Mass Concentration	kg/d ug/L				0		
4.14	(117-81-7) 4-bromophenyl phenyl ether				Mass Concentration	kg/d				0		
4.15	(101-55-3) Butyl benzyl phthalate				Mass Concentration	ug/L				0		
4.16	(85-68-7) 2-chloronaphthalene				Mass Concentration	kg/d ug/L				0		
	(91-58-7) 4-chlorophenyl phenyl ether	<u> </u>			Mass Concentration	kg/d				0		
4.17	(7005-72-3) Chrysene			V	Mass Concentration	ug/L				0		
4.18	(218-01-9)			V	Mass	kg/d						
4.19	Dibenzo (a,h) anthracene (53-70-3)			V	Concentration Mass	ug/L kg/d				0		

fall Number Form Approved 03/05/19
008 OMB No. 2040-0004

EPA Identification Number NPDES Permit Number Facility Name Outfall Number

VAR000512939 VA0002585 FCWA Griffith Water Treatment 008

TABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE	NOLS, AND	ORGANIC T	OXIC POLLUTAN	TS (40 CFI	R 122.21(g)(7)	(v)) ¹				
				or Absence ck one)				Efflo	uent			ake ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.20	1,2-dichlorobenzene (95-50-1)			V	Concentration Mass	ug/L kg/d				0		
4.21	1,3-dichlorobenzene			V	Concentration	ug/L				0		
4.22	(541-73-1) 1,4-dichlorobenzene				Mass Concentration	kg/d ug/L				0		
4.22	(106-46-7)				Mass	kg/d				_		
4.23	3,3-dichlorobenzidine (91-94-1)			V	Concentration Mass	ug/L kg/d				0		
4.24	Diethyl phthalate (84-66-2)			V	Concentration Mass	ug/L kg/d				0		
4.25	Dimethyl phthalate (131-11-3)			V	Concentration Mass	ug/L				0		
4.26	Di-n-butyl phthalate			V	Concentration	kg/d ug/L				0		
4.27	(84-74-2) 2,4-dinitrotoluene			<u> </u>	Mass Concentration	kg/d ug/L				0		
	(121-14-2) 2,6-dinitrotoluene				Mass Concentration	kg/d				0		
4.28	(606-20-2)			V	Mass					0		
4.29	Di-n-octyl phthalate (117-84-0)			V	Concentration Mass					0		
4.30	1,2-Diphenylhydrazine (as azobenzene) (122-66-7)				Concentration Mass	ug/L kg/d				0		
4.31	Fluoranthene (206-44-0)			V	Concentration	ug/L				0		
4.32	Fluorene				Mass Concentration	kg/d ug/L				0		
4.32	(86-73-7)			Y	Mass	kg/d						

All Number Form Approved 03/05/19
OOS OMB No. 2040-0004

EPA Identification Number NPDES Permit Number Facility Name Outfall Number

VAR000512939 VA0002585 FCWA Griffith Water Treatment 008

IABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE	Presence	or Absence ck one)	OXIC POLLUTAN	S (40 CF	R 122.21(g)(7)		uent			take tional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.33	Hexachlorobenzene (118-74-1)			V	Concentration Mass	ug/L kg/d				0		
4.34	Hexachlorobutadiene (87-68-3)			V	Concentration Mass	ug/L				0		
4.35	Hexachlorocyclopentadiene (77-47-4)			V	Concentration Mass	kg/d ug/L kg/d				0		
4.36	Hexachloroethane (67-72-1)			V	Concentration Mass	ug/L kg/d				0		
4.37	Indeno (1,2,3-cd) pyrene (193-39-5)			V	Concentration Mass	ug/L kg/d				0		
4.38	Isophorone (78-59-1)			V	Concentration Mass	ug/L kg/d				0		
4.39	Naphthalene (91-20-3)			V	Concentration Mass					0		
4.40	Nitrobenzene (98-95-3)			V	Concentration Mass	ug/L kg/d				0		
4.41	N-nitrosodimethylamine (62-75-9)			V	Concentration Mass	ug/L kg/d				0		
4.42	N-nitrosodi-n-propylamine (621-64-7)			V	Concentration Mass	ug/L kg/d				0		
4.43	N-nitrosodiphenylamine (86-30-6)			V	Concentration Mass	ug/L kg/d				0		
4.44	Phenanthrene (85-01-8)			V	Concentration Mass					0		
4.45	Pyrene (129-00-0)			V	Concentration Mass	ug/L kg/d				0		

					Water Tre							
TABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE	Presence	ORGANIC T or Absence ck one)	OXIC POLLUTANT	'S (40 CFI	R 122.21(g)(7)	(v))¹ Efflu	uent			take tional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.46	1,2,4-trichlorobenzene (120-82-1)			V	Concentration Mass	ug/L				0		0
Socti	on 5. Organic Toxic Pollutants (C/MS Eract	ion—Postic	idae)	Iviass	kg/d						
	Aldrin				Concentration	ug/L				0		
5.1	(309-00-2)			V	Mass	kg/d				0		
	α-BHC				Concentration	ug/L				0		
5.2	(319-84-6)			V	Mass	kg/d						
5.3	β-ВНС				Concentration	ug/L				0		
5.3	(319-85-7)				Mass	kg/d						
5.4	ү-ВНС			V	Concentration	ug/L				0		
5.4	(58-89-9)				Mass	kg/d						
5.5	δ-BHC			V	Concentration					0		
	(319-86-8)				Mass							
5.6	Chlordane			V	Concentration	ug/L				0		
	(57-74-9)				Mass	kg/d						
5.7	4,4'-DDT			V	Concentration	ug/L				0		
	(50-29-3)		_		Mass	kg/d						
5.8	4,4'-DDE (72-55-9)			V	Concentration Mass	ug/L				0		
	,				Concentration	kg/d ug/L				0		
5.9	4,4'-DDD (72-54-8)			V	Mass	kg/d						
	Dieldrin				Concentration	ug/L				0		
5.10	(60-57-1)			V	Mass	kg/d						
5.11	α-endosulfan			[Z]	Concentration	ug/L				0		
5.11	(115-29-7)			V	Mass	kg/d						

Number Form Approved 03/05/19 OMB No. 2040-0004

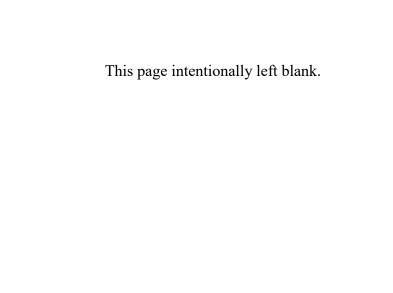
EPA Identification Number NPDES Permit Number Facility Name Outfall Number

VAR000512939 VA0002585 FCWA Griffith Water Treatment 008

TABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE	NOLS, AND	ORGANIC T	OXIC POLLUTAN	TS (40 CFI	R 122.21(g)(7)	(v)) ¹				
				or Absence ck one)				Efflo	uent			a ke ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.12	β-endosulfan (115-29-7)			V	Concentration Mass	ug/L kg/d				0		
5.13	Endosulfan sulfate			V	Concentration	ug/L				0		
0.10	(1031-07-8)				Mass	kg/d						
5.14	Endrin (72-20-8)			V	Concentration Mass	ug/L kg/d				0		
	Endrin aldehyde				Concentration	ug/L				0		
5.15	(7421-93-4)			V	Mass	kg/d						
5.16	Heptachlor			V	Concentration	ug/L				0		
0.10	(76-44-8)				Mass	kg/d						
5.17	Heptachlor epoxide (1024-57-3)			V	Concentration	ug/L				0		
	PCB-1242				Mass Concentration	kg/d ug/L				0		
5.18	(53469-21-9)			V	Mass	kg/d						
T 40	PCB-1254				Concentration	- Or -	na			0		
5.19	(11097-69-1)			১	Mass		na					
5.20	PCB-1221 (11104-28-2)			V	Concentration		na			0		
0.20	,				Mass		na					
5.21	PCB-1232 (11141-16-5)			V	Concentration		na			0		
	PCB-1248				Mass Concentration		na			0		
5.22	(12672-29-6)			V	Mass		na na			0		
F 00	PCB-1260				Concentration		na			0		
5.23	(11096-82-5)			V	Mass		na					
5.24	PCB-1016 (12674-11-2)			V	Concentration		na			0		
"	(12074-11-2)				Mass		na					

	EPA Identification Number VAR000512939		ermit Number 02585	FCW	Facility Name A Griffith Water Tr	eatment	Ou	utfall Number 008				ved 03/05/19 o. 2040-0004
TABL	E B. TOXIC METALS, CYANIDE	, TOTAL PHE	NOLS, AND	ORGANIC T	OXIC POLLUTAN	TS (40 CFI	R 122.21(g)(7)	(v)) ¹				
	Pollutant/Parameter Testing							Effl	uent		-	ake onal)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.25	Toxaphene			V	Concentration	ug/L				0		0
5.25	8001-35-2)		Mass	kg/d								

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).



Outfall Number Form Approved 03/05/19
OMB No. 2040-0004

EPA Identification Number NPDES Permit Number Facility Name Outfall Number

VAR000512939 VA0002585 FCWA Griffith Water Treatment 008

TAE	BLE C. CERTAIN CO			NVENTIONAL PO	LLUTANTS	(40 CFR 122.21(g	յ)(7)(vi))¹				
		Presence o					Efflu	ent		Intal (Optio	
	Pollutant	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
	Check here if you be each pollutant.	elieve all polluta	ants on Table (C to be <i>present</i> in	your discha	rge from the noted	outfall. You need	not complete the "F	resence or Abse	ence" column of T	able C for
	Check here if you be each pollutant.	elieve all polluta	ants on Table (C to be <i>absent</i> in y	our dischar	ge from the noted o	outfall. You need <i>n</i>	ot complete the "Pr	esence or Abse	nce" column of Ta	ıble C for
1.	Bromide (24959-67-9)		V	Concentration	mg/L	<1			1		
	,			Mass	kg/d	< 0.026					
2.	Chlorine, total residual		V	Concentration	mg/L				0		
	residual			Mass	kg/d	20					
3.	Color	V		Concentration	PCU	30			1		
				Mass	NADNI /4 00	na	0 1: 1				
4.	Fecal coliform	V		Concentration Mass	MPN/100	<1	e-Coli done		1		
				Concentration	mg/L	na 0.1			1		
5.	Fluoride (16984-48-8)	V		Mass	kg/d	0.003			1		
	(10001 10 0)			Concentration	mg/L	0.003			0		
6	Nitrate-nitrite		V	Mass	kg/d				0		
	Nitrogen, total			Concentration	mg/L				0		
7.	organic (as N)		V	Mass	kg/d						
		_		Concentration	mg/L				0		
8.	Oil and grease		V	Mass	kg/d				-		
	Phosphorus (as			Concentration	mg/L	< 0.1			1		
9.	P), total (7723-14-0)		V	Mass	kg/d	< 0.003					
40	Sulfate (as SO ₄)			Concentration	mg/L	14.2			1		
10.	(14808-79-8)	V		Mass	kg/d	0.38					
11	Cultide (c = C)			Concentration		na			0		
11.	Sulfide (as S)		V	Macc	1	20					

		Presence o					Efflu	ient		Inta (Optio	
	Pollutant	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
	Sulfite (as SO ₃)		V	Concentration		na			0		
	(14265-45-3)	<u> </u>		Mass		na					
13.	Surfactants		V	Concentration		na			0		
	Carractarite	1		Mass		na					
	Aluminum, total	V		Concentration	mg/L	0.084			1		
	(7429-90-5)	1		Mass	kg/d	0.002					
	Barium, total		v	Concentration		na			0		
	(7440-39-3)			Mass		na					
16.	Boron, total			Concentration		na			0		
	(7440-42-8)			Mass		na					
	Cobalt, total		V	Concentration		na			0		
	(7440-48-4)]		Mass		na					
18.	Iron, total	V		Concentration	mg/L	0.249			1		
10.	(7439-89-6)			Mass	kg/d	0.007					
19.	Magnesium, total		v	Concentration		na			0		
	(7439-95-4)			Mass		na					
	Molybdenum, total			Concentration		na			0		
	(7439-98-7)			Mass		na					
21.	Manganese, total	V	П	Concentration	mg/L	0.161			1		
41.	(7439-96-5)	Y		Mass	kg/d	0.004					
22.	Tin, total		V	Concentration		na			0		
۲۷.	(7440-31-5)			Mass		na					
23.	Titanium, total		V	Concentration		na			0		
<u>د</u> ی.	(7440-32-6)	Ш		Mass		na					

TAB	LE C. CERTAIN CO	NVENTIONAL	AND NON CO	NVENTIONAL PO	OLLUTANTS	S (40 CFR 122.21(g)(7)(vi))¹				
		Presence or Absence (check one)					Efflu		Intake (Optional)		
	Pollutant	Believed Present	Believed Absent	Units (specify		Maximum Daily Discharge (required) Maximum Monthly Discharge (if available) Long-Term Average Daily Discharge (if available)		Number of Analyses	Long-Term Average Value	Number of Analyses	
24.	Radioactivity				_		,	,			
	Alpha, total		V	Concentration		na			0		0
	Aipria, totai			Mass		na					
	Beta, total	П	V	Concentration		na			0		
	Dela, Iolai	Ц		Mass		na					
	Radium, total	П	V	Concentration		na			0		
	Radium, total	Ц		Mass		na					
	Radium 226, total		V	Concentration		na			0		
	Naululli 220, lolai	Ц	۲	Mass		na					

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

TAB	LE D. CERTAIN HAZARDOUS SUBSTANC	ES AND ASBEST	OS (40 CFR 122.	21(g)(7)(vii))¹	
		Presence or (check			
	Pollutant	Believed	Believed	Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
4		Present	Absent		
1.	Asbestos		V		
2.	Acetaldehyde		V		
3.	Allyl alcohol		V		
4.	Allyl chloride		N		
5.	Amyl acetate		V		
6.	Aniline		V		
7.	Benzonitrile		V		
8.	Benzyl chloride		V		
9.	Butyl acetate		V		
10.	Butylamine		V		
11.	Captan		V		
12.	Carbaryl		V		
13.	Carbofuran		V		
14.	Carbon disulfide		V		
15.	Chlorpyrifos		V		
16.	Coumaphos		V		
17.	Cresol		V		
18.	Crotonaldehyde		V		
19.	Cyclohexane		V		

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))1 Presence or Absence (check one) **Available Quantitative Data Pollutant** Reason Pollutant Believed Present in Discharge **Believed** Believed (specify units) Present Absent V 2,4-D (2,4-dichlorophenoxyacetic acid) **V** 21. Diazinon V Dicamba V Dichlobenil V 24. Dichlone ~ 2,2-dichloropropionic acid V 26. Dichlorvos V Diethyl amine V Dimethyl amine V Dintrobenzene **V** 30. Diquat 31. Disulfoton V V 32. Diuron V Epichlorohydrin V Ethion 34. V Ethylene diamine V Ethylene dibromide V Formaldehyde 38. Furfural V

TAB	LE D. CERTAIN HAZARDOUS SUBSTANC	ES AND ASBEST	OS (40 CFR 122.	21(g)(7)(vii))¹	
		Presence or (check			
	Pollutant	Believed	Believed	Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Present	Absent		
39.	Guthion		V		
40.	Isoprene		V		
41.	Isopropanolamine		V		
42.	Kelthane		V		
43.	Kepone		V		
44.	Malathion		V		
45.	Mercaptodimethur		V		
46.	Methoxychlor		V		
47.	Methyl mercaptan		N		
48.	Methyl methacrylate		V		
49.	Methyl parathion		V		
50.	Mevinphos		V		
51.	Mexacarbate		V		
52.	Monoethyl amine		V		
53.	Monomethyl amine		V		
54.	Naled		V		
55.	Naphthenic acid		V		
56.	Nitrotoluene		V		
57.	Parathion		V		

TAB	LE D. CERTAIN HAZARDOUS SUBSTANC			.21(g)(7)(vii))¹	
		Presence or (check	Absence		Available Oversitative Date
	Pollutant	Believed Present	Believed Absent	Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
58.	Phenolsulfonate		V		
59.	Phosgene		V		
60.	Propargite		V		
61.	Propylene oxide		V		
62.	Pyrethrins		V		
63.	Quinoline		V		
64.	Resorcinol		V		
65.	Strontium		V		
66.	Strychnine		V		
67.	Styrene		V		
68.	2,4,5-T (2,4,5-trichlorophenoxyacetic acid)		V		
69.	TDE (tetrachlorodiphenyl ethane)		V		
70.	2,4,5-TP [2-(2,4,5-trichlorophenoxy) propanoic acid]		V		
71.	Trichlorofon		V		
72.	Triethanolamine		V		
73.	Triethylamine		V		
74.	Trimethylamine		V		
75.	Uranium		V		
76.	Vanadium		V		

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number	Form Approved 03/05/19
VAR000512939	VA0002585	FCWA Griffith Water Treatment	008	OMB No. 2040-0004

TAB	LE D. CERTAIN HAZARDOUS SUBSTANC	CES AND ASBEST	OS (40 CFR 122.	21(g)(7)(vii))¹			
	Pollutant	Presence or (check		David Dillar (Dillar (Dillar)	Available Quantitative Data		
	i onutunt	Believed Present	Believed Absent	Reason Pollutant Believed Present in Discharge	(specify units)		
77.	Vinyl acetate		V				
78.	Xylene		V				
79.	Xylenol		V				
80.	Zirconium		V				

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

EPA Identification Number VAR000512939	NPDES Pe	mit Number 02585	FCW.	Facility Name A Griffith Water Treatment	Outfall Number 008	Form Approved 03/05/19 OMB No. 2040-0004					
TABLE E. 2,3,7,8 TETRACHLORODIBENZO P DIOXIN (2,3,7,8 TCDD) (40 CFR 122.21(g)(7)(viii))											
Pollutant	nt TCDD Congeners Used or Manufactured Believed Believed		nce		Results of Screening Pro	cedure					
2,3,7,8-TCDD			V								

Click to go back to the beginning of Form

Form Approved 03/05/19 OMB No. 2040-0004

	E A. CONVENTIONAL AND N				(9)(1)(1)	••	uent		Intal (Optio			
	Pollutant	Waiver Requested (if applicable)	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses		
	Check here if you have applied to your NPDES permitting authority for a waiver for <i>all</i> of the pollutants listed on this table for the noted outfall. Concentration mg/L 4											
1.	Biochemical oxygen demand		Concentration	mg/L	4			1				
1.	(BOD₅)		Mass	kg/d	15.1							
	Chemical oxygen demand		Concentration	mg/L	15			1				
۷.	(COD)		Mass	kg/d	56.7							
3.	Total organic carbon (TOC)		Concentration	mg/L	6.2			1				
J.	Total organic carbon (100)		Mass	kg/d	23							
4	Total suspended solids (TSS)		Concentration	mg/L	21			10				
4.	Total suspended solids (133)		Mass	kg/d	79							
5.	Ammonia (as N)		Concentration	mg/L	0.11			1				
J.	Ammonia (as N)		Mass	kg/d	0.42							
6.	Flow		Rate	MGD	1	at most 5x/year		4				
	Temperature (winter)		°C	°C	10.5			5				
7.	Temperature (summer)		°C	°C	20.8			5				
	pH (minimum)		Standard units	s.u.	6.7			10				
8.	pH (maximum)		Standard units	s.u.	7.7			10				

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

	7, 11,000312333	******		Tew	, Commen water in							
ABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE	Presence	ORGANIC T or Absence ck one)	OXIC POLLUTAN	TS (40 CF	R 122.21(g)(7)	Efflu	ent			a ke ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyse
	Check here if you qualify as a sr 2 through 5 of this table. Note, h											
ecti	on 1. Toxic Metals, Cyanide, and	Total Pheno	ols									
1.1	Antimony, total			V	Concentration	mg/L	na			0		
	(7440-36-0) dissolved				Mass	kg/d	na					
1.2	Arsenic, total			V	Concentration	mg/L	na			0		<u> </u>
	(7440-38-2)				Mass	kg/d	na					<u> </u>
1.3	Beryllium, total			V	Concentration	mg/L	na			0		
	(7440-41-7)				Mass	kg/d	na			0		
1.4	Cadmium, total (7440-43-9)			V	Concentration Mass	mg/L	na			0		
	,				Concentration	kg/d mg/L	na na			0		
1.5	Chromium, total (7440-47-3)			V	Mass	kg/d	na			0		
	Copper, total				Concentration	mg/L	0.002			1		<u> </u>
1.6	(7440-50-8)		V		Mass	kg/d	0.008					
	Lead, total				Concentration	mg/L	na			0		
1.7	(7439-92-1)			V	Mass	kg/d	na					
1.8	Mercury, total			V	Concentration	mg/L	na			0		
1.0	(7439-97-6)				Mass	kg/d	na					
1.9	Nickel, total			V	Concentration	mg/L	na			0		
	(7440-02-0)				Mass	kg/d	na					<u> </u>
1.10	Selenium, total			V	Concentration	mg/L	na			0		
	(7782-49-2)				Mass	kg/d	na			0		
1.11	Silver, total (7440-22-4)			V	Concentration	mg/L	na			0		
	(1440-22-4)	1		ĺ	Mass	kg/d	na					i

	E B. TOXIC METALS, CYANIDE,		Presence	or Absence ck one)					uent			take tional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)			Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
1.12	Thallium, total			V	Concentration	mg/L	na			0		
	(7440-28-0)				Mass	kg/d	na					<u> </u>
1.13	Zinc, total (7440-66-6)			V	Concentration Mass	mg/L kg/d	<0.005 <0.019			1		
	,				Concentration	mg/L				0		
1.14	Cyanide, total (57-12-5)			V	Mass	kg/d	na na			U		
	(** -= *)				Concentration	ug/L	na			0		
1.15	Phenols, total			V	Mass	kg/d	na					
Section	on 2. Organic Toxic Pollutants (0	GC/MS Fract	ion—Volatil	e Compound								
2.1	Acrolein			V	Concentration	ug/L				0		
2.1	(107-02-8)				Mass	kg/d						
2.2	Acrylonitrile			V	Concentration	ug/L				0		
	(107-13-1)				Mass	kg/d						
2.3	Benzene			V	Concentration	ug/L				0		
	(71-43-2)		_	_	Mass	kg/d						
2.4	Bromoform			V	Concentration	ug/L				0		
	(75-25-2)				Mass	kg/d						<u> </u>
2.5	Carbon tetrachloride (56-23-5)			V	Concentration	ug/L				0		<u> </u>
	,				Mass	kg/d						
2.6	Chlorobenzene (108-90-7)			V	Concentration Mass	ug/L				0		
	Chlorodibromomethane				Concentration	kg/d ug/L				0		
2.7	(124-48-1)			V	Mass	kg/d				U		
	Chloroethane	_			Concentration	ug/L				0		
2.8	(75-00-3)			V	Mass	kg/d						

Il Number Form Approved 03/05/19
OMB No. 2040-0004

EPA Identification Number NPDES Permit Number Facility Name Outfall Number

VAR000512939 VA0002585 FCWA Griffith Water Treatment 009

	E B. TOXIC METALS, CYANIDE,		Presence or Absence (check one)				(0)(Intake (optional)				
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.9	2-chloroethylvinyl ether (110-75-8)			V	Concentration Mass					0		
2.10	Chloroform (67-66-3)			V	Concentration Mass	ug/L kg/d				0		
2.11	Dichlorobromomethane (75-27-4)			V	Concentration Mass	ug/L kg/d				0		0
2.12	1,1-dichloroethane (75-34-3)			V	Concentration Mass					0		0
2.13	1,2-dichloroethane (107-06-2)			V	Concentration Mass	ug/L kg/d				0		0
2.14	1,1-dichloroethylene (75-35-4)			V	Concentration Mass	ug/L kg/d				0		0
2.15	1,2-dichloropropane (78-87-5)			V	Concentration Mass	ug/L kg/d				0		0
2.16	1,3-dichloropropylene (542-75-6)			V	Concentration Mass	ug/L kg/d				0		0
2.17	Ethylbenzene (100-41-4)			V	Concentration Mass	ug/L kg/d				0		0
2.18	Methyl bromide (74-83-9)			V	Concentration Mass	ug/L kg/d				0		0
2.19	Methyl chloride (74-87-3)			V	Concentration Mass					0		0
2.20	Methylene chloride (75-09-2)			V	Concentration Mass	ug/L kg/d				0		0
2.21	1,1,2,2- tetrachloroethane (79-34-5)			V	Concentration Mass	ug/L kg/d				0		0

			Presence or Absence (check one)					Efflo	uent		Intake (optional)	
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
2.22	Tetrachloroethylene (127-18-4)			V	Concentration Mass	ug/L kg/d				0		
2.23	Toluene (108-88-3)			V	Concentration	ug/L				0		
2.24	1,2-trans-dichloroethylene (156-60-5)			V	Mass Concentration Mass	kg/d ug/L				0		
2.25	1,1,1-trichloroethane (71-55-6)			V	Concentration Mass	kg/d				0		
2.26	1,1,2-trichloroethane (79-00-5)			V	Concentration Mass	ug/L kg/d				0		
2.27	Trichloroethylene (79-01-6)			V	Concentration Mass	ug/L kg/d				0		
2.28	Vinyl chloride (75-01-4)			V	Concentration Mass	ug/L kg/d				0		
Section	on 3. Organic Toxic Pollutants (0	C/MS Fract	on—Acid C	ompounds)	IVId55	Kg/u						
3.1	2-chlorophenol (95-57-8)			V	Concentration Mass	ug/L kg/d				0		
3.2	2,4-dichlorophenol (120-83-2)			V	Concentration Mass	ug/L kg/d				0		
3.3	2,4-dimethylphenol (105-67-9)			V	Concentration Mass	ug/L kg/d				0		
3.4	4,6-dinitro-o-cresol (534-52-1)			V	Concentration Mass	ug/L kg/d				0		
3.5	2,4-dinitrophenol (51-28-5)			V	Concentration Mass	ug/L kg/d				0		

Outfall Number Form Approved 03/05/19
OMB No. 2040-0004

 EPA Identification Number
 NPDES Permit Number
 Facility Name
 Outfall Number

 VAR000512939
 VA0002585
 FCWA Griffith Water Treatment
 009

TABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE			OXIC POLLUTAN	TS (40 CFF	R 122.21(g)(7)	(v)) ¹				
				or Absence ck one)				Efflo	Intake (optional)			
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
3.6	2-nitrophenol (88-75-5)			V	Concentration Mass					0		
3.7	4-nitrophenol (100-02-7)			V	Concentration Mass					0		
3.8	p-chloro-m-cresol (59-50-7)			V	Concentration Mass					0		
3.9	Pentachlorophenol (87-86-5)			V	Concentration Mass	ug/L kg/d				0		
3.10	Phenol (108-95-2)			V	Concentration Mass	ug/L kg/d				0		
3.11	2,4,6-trichlorophenol (88-05-2)			V	Concentration Mass	ug/L kg/d				0		
Section	on 4. Organic Toxic Pollutants (G	C/MS Fract	ion—Base /	Neutral Com		rtg/ a						
4.1	Acenaphthene (83-32-9)			V	Concentration Mass	ug/L kg/d				0		
4.2	Acenaphthylene (208-96-8)			V	Concentration Mass					0		
4.3	Anthracene (120-12-7)			V	Concentration Mass	ug/L kg/d				0		
4.4	Benzidine (92-87-5)			V	Concentration Mass	ug/L kg/d				0		
4.5	Benzo (a) anthracene (56-55-3)			V	Concentration Mass	ug/L kg/d				0		
4.6	Benzo (a) pyrene (50-32-8)			V	Concentration Mass	ug/L kg/d				0		

All Number Form Approved 03/05/19
OMB No. 2040-0004

 EPA Identification Number
 NPDES Permit Number
 Facility Name
 Outfall Number

 VAR000512939
 VA0002585
 FCWA Griffith Water Treatment
 009

TABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE			OXIC POLLUTAN	TS (40 CFI	R 122.21(g)(7)	(v)) ¹				
			Presence or Absence (check one)					Efflo	Intake (optional)			
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.7	3,4-benzofluoranthene (205-99-2)			V	Concentration Mass	ug/L kg/d				0		
4.8	Benzo (ghi) perylene (191-24-2)			V	Concentration Mass	1.8/ 5				0		
4.9	Benzo (k) fluoranthene (207-08-9)			V	Concentration Mass	ug/L				0		
4.10	Bis (2-chloroethoxy) methane (111-91-1)			V	Concentration Mass	kg/d				0		
4.11	Bis (2-chloroethyl) ether (111-44-4)			V	Concentration Mass	ug/L kg/d				0		
4.12	Bis (2-chloroisopropyl) ether (102-80-1)			V	Concentration Mass	ug/L kg/d				0		
4.13	Bis (2-ethylhexyl) phthalate (117-81-7)			V	Concentration Mass	ug/L kg/d				0		
4.14	4-bromophenyl phenyl ether (101-55-3)			V	Concentration Mass	1.0/ 4.				0		
4.15	Butyl benzyl phthalate (85-68-7)			V	Concentration Mass	ug/L kg/d				0		
4.16	2-chloronaphthalene (91-58-7)			V	Concentration Mass	ug/L kg/d				0		
4.17	4-chlorophenyl phenyl ether (7005-72-3)			V	Concentration Mass	1.0/ 1.				0		
4.18	Chrysene (218-01-9)			V	Concentration Mass	ug/L kg/d				0		
4.19	Dibenzo (a,h) anthracene (53-70-3)			V	Concentration Mass	ug/L kg/d				0		

Ill Number Form Approved 03/05/19
OMB No. 2040-0004

EPA Identification Number NPDES Permit Number Facility Name Outfall Number

VAR000512939 VA0002585 FCWA Griffith Water Treatment 009

TABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE			OXIC POLLUTAN	TS (40 CFI	R 122.21(g)(7)	(v)) ¹				
				or Absence ck one)				Efflu	Intake (optional)			
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.20	1,2-dichlorobenzene			V	Concentration	ug/L				0		
7.20	(95-50-1)				Mass	kg/d						
4.21	1,3-dichlorobenzene			V	Concentration	ug/L				0		
	(541-73-1)			1	Mass	kg/d						
4.22	1,4-dichlorobenzene			V	Concentration	ug/L				0		
	(106-46-7)				Mass	kg/d						
4.23	3,3-dichlorobenzidine (91-94-1)			V	Concentration	ug/L				0		
	,				Mass	kg/d						
4.24	Diethyl phthalate (84-66-2)			V	Concentration	ug/L				0		
	,				Mass Concentration	kg/d				•		
4.25	Dimethyl phthalate (131-11-3)			V	Mass	ug/L kg/d				0		
	,				Concentration	ug/L				0		
4.26	Di-n-butyl phthalate (84-74-2)			V	Mass	kg/d				U		
	2,4-dinitrotoluene				Concentration	ug/L				0		
4.27	(121-14-2)			V	Mass	kg/d						
	2,6-dinitrotoluene			_	Concentration	6/				0		
4.28	(606-20-2)			V	Mass							
	Di-n-octyl phthalate]	Concentration					0		
4.29	(117-84-0)			V	Mass							
4.00	1,2-Diphenylhydrazine				Concentration	ug/L				0		
4.30	(as azobenzene) (122-66-7)				Mass	kg/d						
4 24	Fluoranthene		[Z]	Concentration	ug/L				0			
4.31	(206-44-0)			V	Mass	kg/d						
4.32	Fluorene	orene	V	Concentration	ug/L	_	_		0			
4.32	(86-73-7)				Mass	kg/d						

Il Number Form Approved 03/05/19
OMB No. 2040-0004

EPA Identification Number NPDES Permit Number Facility Name Outfall Number

VAR000512939 VA0002585 FCWA Griffith Water Treatment 009

TABL	E B. TOXIC METALS, CYANIDE,	TOTAL PHE	NOLS, AND	ORGANIC T	OXIC POLLUTAN	TS (40 CFI	R 122.21(g)(7)	(v)) ¹				
				or Absence ck one)				Efflo	uent			ake ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.33	Hexachlorobenzene (118-74-1)			V	Concentration Mass	ug/L kg/d				0		
4.34	Hexachlorobutadiene			V	Concentration	ug/L				0		
4.35	(87-68-3) Hexachlorocyclopentadiene				Mass Concentration	kg/d ug/L				0		
4.33	(77-47-4)	Ш			Mass	kg/d						
4.36	Hexachloroethane (67-72-1)			V	Concentration Mass	ug/L kg/d				0		
4.37	Indeno (1,2,3-cd) pyrene (193-39-5)			V	Concentration Mass	ug/L kg/d				0		
4.38	Isophorone (78-59-1)			V	Concentration Mass	ug/L				0		
4.39	Naphthalene (91-20-3)			V	Concentration Mass	kg/d				0		
4.40	Nitrobenzene			V	Concentration	ug/L				0		
4.41	(98-95-3) N-nitrosodimethylamine				Mass Concentration	kg/d ug/L				0		
	(62-75-9) N-nitrosodi-n-propylamine				Mass Concentration	kg/d ug/L				0		
4.42	(621-64-7)			V	Mass	kg/d						
4.43	N-nitrosodiphenylamine (86-30-6)			V	Concentration Mass	ug/L kg/d				0		
4.44	Phenanthrene (85-01-8)			V	Concentration Mass					0		
4.45	Pyrene			V	Concentration	ug/L				0		
	(129-00-0)		Ц		Mass	kg/d						<u> </u>

	77111000312333				7 Gillian Water III							
TABL	LE B. TOXIC METALS, CYANIDE, TOTAL PHENOLS, AND ORGANIC Presence or Absence (check one)		or Absence	OXIC POLLUTANTS (40 CFR		R 122.21(g)(7)	(v))¹ Efflu	uent			take tional)	
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
4.46	1,2,4-trichlorobenzene (120-82-1)			V	Concentration Mass	ug/L				0		0
Section	on 5. Organic Toxic Pollutants (0	C/MS Fract	ion—Pestic	ides)	IWass	kg/d						
	Aldrin				Concentration	ug/L				0		
5.1	(309-00-2)			V	Mass	kg/d						
5.2	α-BHC			V	Concentration	ug/L				0		
J.Z	(319-84-6)		Ш		Mass	kg/d						
5.3	β-BHC			V	Concentration	ug/L				0		
	(319-85-7)	_	_	_	Mass	kg/d						
5.4	γ-BHC (58-89-9)			V	Concentration	ug/L				0		
	,				Mass Concentration	kg/d				0		
5.5	δ-BHC (319-86-8)			V	Mass					0		
	Chlordane				Concentration	ug/L				0		
5.6	(57-74-9)			V	Mass	kg/d						
5.7	4,4'-DDT			[2]	Concentration	ug/L				0		
5.7	(50-29-3)			V	Mass	kg/d						
5.8	4,4'-DDE			V	Concentration	ug/L				0		
	(72-55-9)				Mass	kg/d						
5.9	4,4'-DDD (72-54-8)			V	Concentration Mass	ug/L				0		
	,				Concentration	kg/d ug/L				0		
5.10	Dieldrin (60-57-1)			V	Mass	kg/d				0		
	α-endosulfan				Concentration	ug/L				0		
5.11	(115-29-7)			V	Mass	kg/d						

Number Form Approved 03/05/19
OMB No. 2040-0004

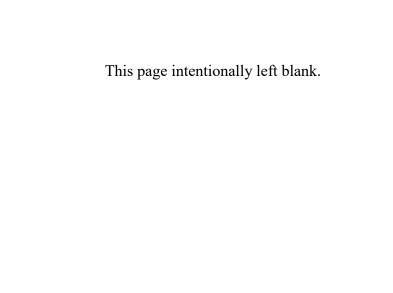
EPA Identification Number NPDES Permit Number Facility Name Outfall Number

VAR000512939 VA0002585 FCWA Griffith Water Treatment 009

	E B. TOXIC METALS, CYANIDE,		Presence	or Absence ck one)		·		Efflo	uent			ake ional)
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses
5.12	β-endosulfan (115-29-7)			V	Concentration Mass	ug/L kg/d				0		
5.13	Endosulfan sulfate (1031-07-8)			V	Concentration Mass	ug/L				0		
5.14	Endrin (72-20-8)			V	Concentration Mass	kg/d ug/L				0		
5.15	Endrin aldehyde (7421-93-4)			V	Concentration Mass	kg/d ug/L kg/d				0		
5.16	Heptachlor (76-44-8)			V	Concentration Mass	ug/L kg/d				0		
5.17	Heptachlor epoxide (1024-57-3)			V	Concentration Mass	ug/L kg/d				0		
5.18	PCB-1242 (53469-21-9)			V	Concentration Mass	ug/L kg/d				0		
5.19	PCB-1254 (11097-69-1)			V	Concentration Mass	1.0/ 4.	na na			0		
5.20	PCB-1221 (11104-28-2)			V	Concentration Mass		na na			0		
5.21	PCB-1232 (11141-16-5)			V	Concentration Mass		na na			0		
5.22	PCB-1248 (12672-29-6)			V	Concentration Mass		na na			0		
5.23	PCB-1260 (11096-82-5)			V	Concentration Mass		na na			0		
5.24	PCB-1016 (12674-11-2)			V	Concentration Mass		na na			0		

	EPA Identification Number NPDES Permit Number VAR000512939 VA0002585		FCW	Facility Name FCWA Griffith Water Treatment		Ou	utfall Number 009		Form Approved 03/05/19 OMB No. 2040-0004				
TABL	E B. TOXIC METALS, CYANIDE	ORGANIC T	OXIC POLLUTAN	TS (40 CFI	R 122.21(g)(7)	(v)) ¹				-			
		Presence or Ab (check one)						Effluent				Intake (optional)	
	Pollutant/Parameter (and CAS Number, if available)	Testing Required	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long- Term Average Value	Number of Analyses	
5.25	Toxaphene			V	Concentration	ug/L				0		0	
5.25	(8001-35-2)				Mass	kg/d							

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).



Outfall Number Form Approved 03/05/19
OMB No. 2040-0004

EPA Identification Number NPDES Permit Number Facility Name Outfall Number

VAR000512939 VA0002585 FCWA Griffith Water Treatment 009

		Presence o					Efflu	ent		Inta (Optio	
	Pollutant	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
	Check here if you b each pollutant.	elieve all polluta	ants on Table (C to be <i>present</i> in	your discha	rge from the noted	outfall. You need	not complete the "P	resence or Abse	ence" column of T	able C for
	Check here if you b each pollutant.	elieve all polluta	ants on Table (C to be absent in y	our dischar	ge from the noted o	utfall. You need n	ot complete the "Pr	esence or Abse	nce" column of Ta	able C for
1.	Bromide		V	Concentration	mg/L	< 1			1		
١.	(24959-67-9)	Ш		Mass	kg/d	< 4					
2.	Chlorine, total		V	Concentration	mg/L				0		
۷.	residual	Ш		Mass	kg/d						
3.	Color	V		Concentration	PCU	80			1		
J.	00101	<u> </u>		Mass		na					
4.	Fecal coliform	V		Concentration	MPN/100	<1	e-Coli done		1		
٠.	1 coal comonn			Mass		na					
5.	Fluoride	V		Concentration	mg/L	0.1			1		
	(16984-48-8)			Mass	kg/d	0.4					
6	Nitrate-nitrite		V	Concentration	mg/L				0		
			_	Mass	kg/d						
7.	Nitrogen, total		V	Concentration	mg/L				0		
	organic (as N)			Mass	kg/d						
8.	Oil and grease		V	Concentration	mg/L				0		
				Mass	kg/d				_		
9.	Phosphorus (as P), total (7723-14-0)		V	Concentration	mg/L	< 0.1			1		
	,, , ,			Mass	kg/d	< 0.4			4		
10.	Sulfate (as SO ₄) (14808-79-8)	V		Concentration Mass	mg/L	14.2			1		
	(17000-70-0)			Concentration	kg/d	54			0		
11.	Sulfide (as S)					na			0		
	(3.5 5)			Mass		na		<u> </u>			

		Presence of (check					Efflu	ient		Inta (Optio	
	Pollutant	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses
12.	Sulfite (as SO ₃)		V	Concentration		na			0		
	(14265-45-3)			Mass		na					
13.	Surfactants		V	Concentration		na			0		
	Cariaciante			Mass		na					
14.	Aluminum, total	V		Concentration	mg/L	0.103			1		
• • • •	(7429-90-5)			Mass	kg/d	0.4					
15.	Barium, total		V	Concentration		na			0		
	(7440-39-3)			Mass		na					
16.	Boron, total		v	Concentration		na			0		
	(7440-42-8)			Mass		na					
17.	Cobalt, total		V	Concentration		na			0		
	(7440-48-4)			Mass		na					
18.	Iron, total	V		Concentration	mg/L	0.288			1		
	(7439-89-6)			Mass	kg/d	1.1					
19.	Magnesium, total		V	Concentration		na			0		
	(7439-95-4)			Mass		na					
20.	Molybdenum, total		V	Concentration		na			0		
20.	(7439-98-7)	Ш		Mass		na					
21.	Manganese, total	V		Concentration	mg/L	0.512			1		
۷۱.	(7439-96-5)			Mass	kg/d	1.9					
22.	Tin, total		V	Concentration		na			0		
∠∠ .	(7440-31-5)	Ш		Mass		na					
72	Titanium, total			Concentration		na			0		
23.	(7440-32-6)		√	Mass		na					

TABLE C. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(g)(7)(vi)) ¹													
	Presence or Absence (check one)						Efflu	ent		Inta (Optio			
	Pollutant	Believed Present	Believed Absent	Units (specify)		Maximum Daily Discharge (required)	Maximum Monthly Discharge (if available)	Long-Term Average Daily Discharge (if available)	Number of Analyses	Long-Term Average Value	Number of Analyses		
24.	Radioactivity												
	Alpha, total	П	П	П	V	Concentration		na			0		0
	Aipria, total	Ш		Mass		na							
	Beta, total	П	V	Concentration		na			0				
	Deta, total	Ш		Mass		na							
	Radium, total	П	V	Concentration		na			0				
	rvadidiri, total	Ш		Mass		na							
	Radium 226, total	П	V	Concentration		na			0				
	rtadidili 220, total			Mass		na							

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

TAB	ABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii)) ¹											
		Presence or (check										
	Pollutant	Believed	Believed	Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)							
4		Present	Absent									
1.	Asbestos		V									
2.	Acetaldehyde		V									
3.	Allyl alcohol		V									
4.	Allyl chloride		N									
5.	Amyl acetate		V									
6.	Aniline		V									
7.	Benzonitrile		V									
8.	Benzyl chloride		V									
9.	Butyl acetate		V									
10.	Butylamine		V									
11.	Captan		V									
12.	Carbaryl		V									
13.	Carbofuran		V									
14.	Carbon disulfide		V									
15.	Chlorpyrifos		V									
16.	Coumaphos		V									
17.	Cresol		V									
18.	Crotonaldehyde		V									
19.	Cyclohexane		V									

TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii))1 Presence or Absence (check one) **Available Quantitative Data Pollutant** Reason Pollutant Believed Present in Discharge **Believed** Believed (specify units) Present Absent V 2,4-D (2,4-dichlorophenoxyacetic acid) **V** 21. Diazinon V Dicamba V Dichlobenil V 24. Dichlone ~ 2,2-dichloropropionic acid V 26. Dichlorvos V Diethyl amine V Dimethyl amine V Dintrobenzene **V** 30. Diquat 31. Disulfoton V V 32. Diuron V Epichlorohydrin V Ethion 34. V Ethylene diamine V Ethylene dibromide V Formaldehyde 38. Furfural V

TAB	ABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii)) ¹												
		Presence or (check											
	Pollutant	Believed	Believed	Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)								
		Present	Absent										
39.	Guthion		V										
40.	Isoprene		V										
41.	Isopropanolamine		V										
42.	Kelthane		V										
43.	Kepone		V										
44.	Malathion		V										
45.	Mercaptodimethur		V										
46.	Methoxychlor		V										
47.	Methyl mercaptan		N										
48.	Methyl methacrylate		V										
49.	Methyl parathion		V										
50.	Mevinphos		V										
51.	Mexacarbate		V										
52.	Monoethyl amine		V										
53.	Monomethyl amine		V										
54.	Naled		V										
55.	Naphthenic acid		V										
56.	Nitrotoluene		V										
57.	Parathion		V										

TAB	ABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii)) ¹												
		Presence or (check	Absence		Available Oversitative Date								
	Pollutant	Believed Present	Believed Absent	Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)								
58.	Phenolsulfonate		V										
59.	Phosgene		V										
60.	Propargite		V										
61.	Propylene oxide		V										
62.	Pyrethrins		V										
63.	Quinoline		V										
64.	Resorcinol		V										
65.	Strontium		V										
66.	Strychnine		V										
67.	Styrene		V										
68.	2,4,5-T (2,4,5-trichlorophenoxyacetic acid)		V										
69.	TDE (tetrachlorodiphenyl ethane)		V										
70.	2,4,5-TP [2-(2,4,5-trichlorophenoxy) propanoic acid]		V										
71.	Trichlorofon		V										
72.	Triethanolamine		V										
73.	Triethylamine		V										
74.	Trimethylamine		V										
75.	Uranium		V										
76.	Vanadium		V										

EPA Identification Number	NPDES Permit Number	Facility Name	Outfall Number	Form Approved 03/05/19
VAR000512939	VA0002585	FCWA Griffith Water Treatment	009	OMB No. 2040-0004

TAB	TABLE D. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(g)(7)(vii)) ¹											
	Pollutant	Presence or (check		David Dillar (Dillar ID)	Available Quantitative Data							
	i ollutalit	Believed Present	Believed Absent	Reason Pollutant Believed Present in Discharge	(specify units)							
77.	Vinyl acetate		V									
78.	Xylene		V									
79.	Xylenol		V									
80.	Zirconium		V									

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

This page intentionally left blank.

EPA Identification Number VAR000512939	VA000			Facility Name A Griffith Water Treatment	Outfall Number 009	Form Approved 03/05/19 OMB No. 2040-0004
TABLE E. 2,3,7,8 TETRACHLORO	DIBENZO P DIO	(IN (2,3,7,8 TC	CDD) (40 CF	R 122.21(g)(7)(viii))		
Pollutant	TCDD Congeners Used or Manufactured	Abse (check Believed Present	nce		Results of Screening Pro	cedure
2,3,7,8-TCDD			V			

Click to go back to the beginning of Form

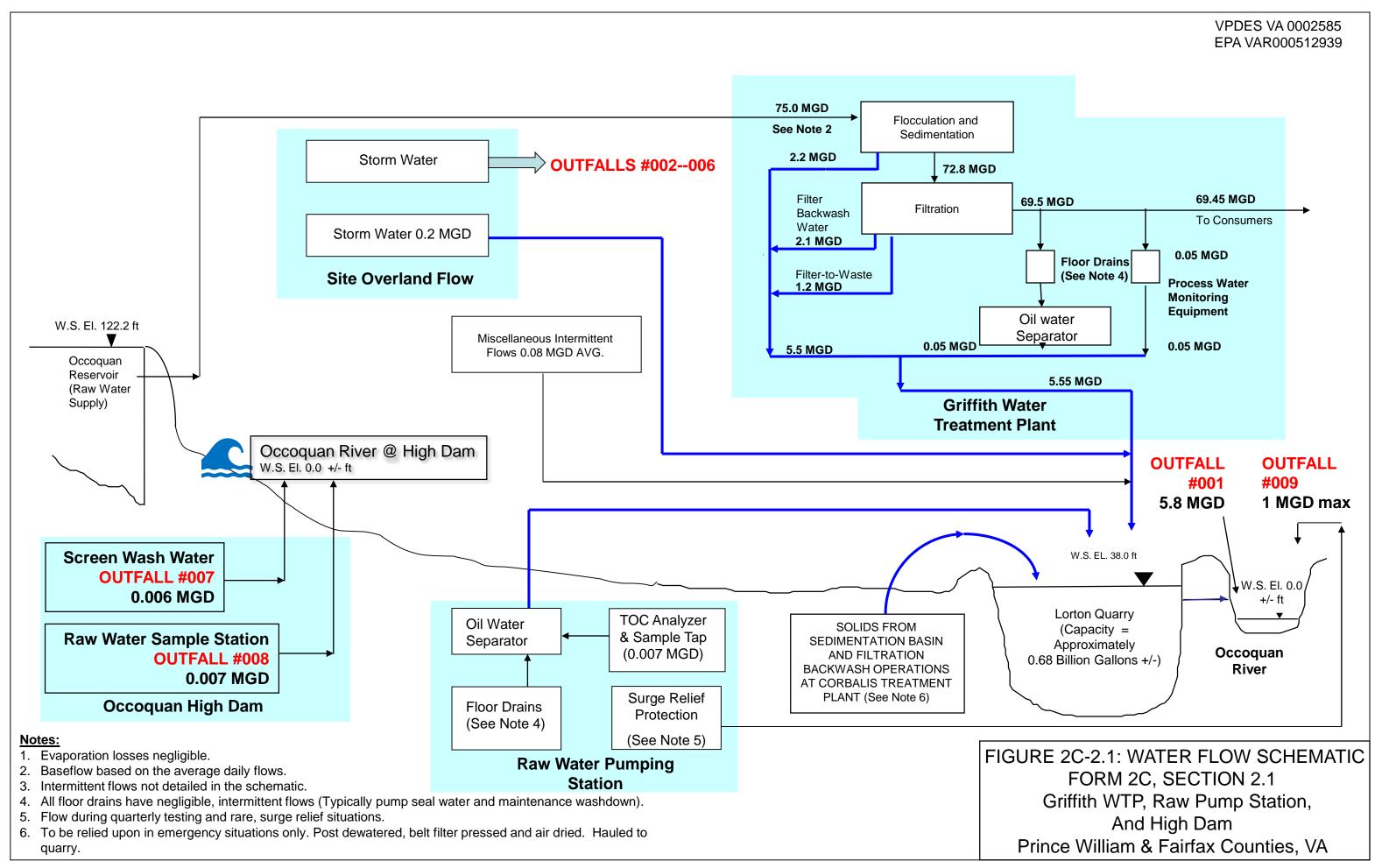


TABLE 2C-3.1: Outfall Descriptions Additional Information for FORM 2C, Section 3

EPA I.D. Number: VAR000512939 VPDES Permit Number: VA0002585

1. OUT-	2. OPERATION(S) CONTRIBU	ITING FLOW		3. T	REATMENT
	a. OPERATION (list)	Facility**	b. AVERAGE FLOW	a. DESCRIPTION	b. LIST OF CODES FROM
(list)			(including units)		TABLE 2C-1
	Floor Drains at Raw Water Pump Station	GRWPS	Intermittent Negligible	Sedimentation	1-U
001	Water Quality Analyzer (TOC) & Sample Tap	GRWPS	7,000 gpd	Sedimentation	1-U
009	Surge Protection Valve Discharge	GRWPS	Intermittent*	None	None
001	Flocculation-Sedimentation Basin	GWTP	2,200,000 gpd	Sedimentation	1-U
001	Flocculation-Sedimentation Basin	GWTP	Intermittent*	Sedimentation	1-U
001	Ozone Contactor Dewatering	GWTP	Intermittent*	Sedimentation	1-U
001	Ozone Contactor Filter Influent	GWTP	Intermittent*	Sedimentation	1-U
001	Ozone Contactor Effluent	GWTP	Intermittent*	Sedimentation	1-U
	Filter Backwash	GWTP	2,100,000 gpd	Sedimentation	1-U
001	Filter-To-Waste	GWTP	1,200,000 gpd	Sedimentation	1-U
001	Filter Influent Flume Dewatering	GWTP	Intermittent*	Sedimentation	1-U
001	Filter Influent Splitter Box Dewatering	GWTP	Intermittent*	Sedimentation	1-U
001	Containment Sump Pump Discharge	GWTP	Intermittent*	Sedimentation	1-U
001	Filter Box Dewatering	GWTP	Intermittent*	Sedimentation	1-U
001	Continuous Monitoring Equipment	GWTP	55,800 gpd	Sedimentation	1-U
001	Deck Drain for Storm Water from Ozone Contactors	GWTP	Intermittent*	Sedimentation	1-U
001	Floor Drains in Operations Building	GWTP	Intermittent Negligible	Sedimentation	1-U
001	Floor Drains in other buildings	GWTP	Intermittent Negligible	Sedimentation	1-U
001	Mechanical Equipment Condensate	GWTP	Intermittent*	Sedimentation	1-U
001	Foundation Drainage	GWTP	Intermittent Negligible	Sedimentation	1-U
001	Site Storm Water Runoff		Intermittent*	Sedimentation	1-U
001	Solids from Corbalis Plant	CWTP	Intermittent*	Sedimentation Belt Filter Press	1-U; 5-C
007	Screen Wash Pump Discharge	OHD	Intermittent*	Screening	1-T
800	Reservoir Raw Water Sampling Discharge	OHD	7,000 gpd	None	None

^{*} Intermittent flows are detailed in Table 2: Intermittent or Seasonal Discharges

^{**} GWTP = Griffith Water Treatment Plant; GRWPS = Griffith Raw Water Pump Station; CWTP = Corbalis Water Treatment Plant; SITE = Fairfax Water property, but not the Plant area proper; OHD = Occoquan High Dam

Table 2C-4.2: Intermittent or Seasonal Discharges Additional Information for FORM 2C, Section 4

EPA I.D. Number: VAR000512939 VPDES Permit Number: VA0002585

1. OUTFALL	2. OPERATION(S)		3. FRE	EQUENCY			4. FLOW		
NUMBER	CONTRIBUTING FLOW		a. DAYS	b. MONTHS	a. FLOW		b. TOTAL VO		c. DURATION
(list)	(list)		PER WEEK	PER YEAR	(mg	'	(specify with	,	(days)
		Facility(a)	(specify average)	(specify average)	 Long term average 	2. Maximum Daily	Long term average	Maximum Daily	
		1 2.2) (2)	arrere.ge,	2.1 2.1 2.g 2 /	an aranga		arrage		
001	Flocculation-Sedimentation Basin Dewatering (4)	GWTP	NA	2X/YR	NA	NA	23,804,590 gallons/year	5,951,148 gpd	2 days(b)
001	Ozone Contactor Dewatering	GWTP	NA	1X/YR	NA	NA	1,129,579 gallons/year	564,790 gpd	2 days(b)
001	Ozone Contactor Filter Influent Flume Dewatering	GWTP	NA	1X/YR	NA	NA	697,110 gallons/year	348,555 gpd	2 days(b)
001	Ozone Contactor Effluent Flume Dewatering	GWTP	NA	1X/YR	NA	NA	60,608 gallons/year	30,304 gpd	2 days(b)
001	Filter Influent Flume Dewatering	GWTP	NA	1X/YR	NA	NA	210,678 gallons/year	105,339 gpd	2 days(b)
001	Filter Influent Splitter Box Dewatering	GWTP	NA	1X/YR	NA	NA	17,425 gallons/year	8,713 gpd	2 days(b)
001	Containment Sump Pump Discharge	GWTP	NA	Varies	NA	NA	5,000 gallons/year	500 gpd	10 days
001	Filter Box Dewatering	GWTP	NA	1X/YR	NA	NA	2,179,165 gallons/year	1,089,583 gpd	2 days(b)
001	Deck Drain for Stormwater Collection at Ozone Contactor	GWTP	NA	40" rainfall/YR	NA	NA	123,670 gallons/year	NA	117 days(c)
001	Mechanical Equipment Condensate in Operations Building	GWTP	NA	4 MO/YR	0.0025	NA	316,224 gallons/year	NA	122 days
001	Mechanical Equipment Condensate in Finished Water Pump Station	GWTP	NA	4 MO/YR	0.0017	NA	210,816 gallons/year	NA	122 days
001	Storm Water Runoff	SITE	NA	40" rainfall/YR	NA	NA	73,000,000 gallons/year	NA	117 days(c)
001	Solids from Corbalis Plant	CWTP	NA	4MO/YR	NA	NA	40,000 CY/year	NA	NA
007	Screen Wash Pump Discharge	OHD	NA	15MIN/DAY	0.006	0.006	2,190,000 gallons/year	6,000 gpd	0.01 days(d)
009	Surge Protection Valve Maintenance Discharge (4)	GRWPS	NA	4X/YR	NA	NA	4,000,000 gallons/year	1,000,000 gpd	0.007 days(e)
009	Surge Protection Valve Discharge	GRWPS	NA	1X/YR	NA	NA	1,000,000 gallons/year	1,000,000 gpd	0.03 days(f)

⁽a) GWTP = Griffith Water Treatment Plant; SITE = Fairfax Water property overland flow; CWTP = Corbalis Water Treatment Plant; GRWPS = Griffith Raw Water Pump Station; OHD = Occoquan High Dam

⁽b) Assumes one process train dewatered per day

⁽c) Based on Average Annual Days of Rain in Northern Virginia

⁽d) 15 minutes per day

⁽e) 40 minutes per day

⁽f) Assumes one incident per year, 40 minutes per incident

TECH MEMO 2C - 6.3: POLLUTANT CONTROL AT OUTFALL 008 TECHNICAL MEMORANDUM—FAIRFAX WATER RELOCATION OF WATER QUALITY METER FROM OUTFALL 008 TO OUTFALL 001

Background:

Under the current VPDES permit (2016), Outfall 008 is identified as a continuously flowing, raw water (Occoquan Reservoir) sample tap that may include incidental discharge of chemical reagents from a water quality meter used to measure Total Organic Carbon (TOC).

Action:

The TOC analyzer that used the reagents was relocated to the Fairfax Water Raw Water Pumping Station (RWPS) in July 2017. It now discharges to permitted Outfall 001.

Conclusion:

- The TOC flow at RWPS is estimated at 0.007 MGD and discharges to a 0.68 billion gallon quarry for dilution and sedimentation.
- Outfall 008 no longer has a possible "pollutant" component to its discharge. It is only raw reservoir water that rejoins the Occoquan River.
- Fairfax Water requests DEQ remove or reduce Outfall 008 testing from the reissued Permit as it remains a raw water sample discharge with no other influence, and it would be similar to Outfall 007 results.

Table 2C-8.2: Substances Stored and Used at Facility Additional Information for FORM 2C, Section 8

EPA I.D. Number: VAR000512939 VPDES Permit Number: VA0002585

Description of storage and containment practices for Chemicals and Fuels Stored On-site

Facility*	Chemical	Amount	Units	Location	Containment	Drains	Liquid?
GRWPS	Potassium Permanganate	33,000	Pounds	Inside	Yes	No	No
GRWPS	Potassium Permanganate	18,000	Pounds	Inside	Yes	Yes, To Quarry***	No
GWTP	Granular Activated Carbon	97,100	Cubic Feet	Inside	Yes	Yes, To Quarry	No
GWTP	Cationic Polymer	7,500	Gallons	Inside	Yes	No	Yes
GWTP	Sodium Hypochlorite	63,000	Gallons	Inside	Yes	No	Yes
GWTP	Sodium Bisulfite	7,500	Gallons	Inside	Yes	No	Yes
GWTP	Hydrofluosilicic Acid	10,000	Gallons	Inside	Yes	No	Yes
GWTP	Sodium Hydroxide	39,000	Gallons	Inside	Yes	No	Yes
GWTP	Phosphoric Acid	10,000	Gallons	Inside	Yes	No	Yes
GWTP	Polyaluminum Chloride	88,000	Gallons	Inside	Yes	No	Yes
GWTP	Aqua Ammonia	16,000	Gallons	Outside	Yes	No	Yes
GWTP	Liquid Oxygen	43,000	Gallons	Outside	No	No	Yes**
GWTP	Heating Oil No.2	10,000	Gallons	Outside	Yes	No	Yes
GWTP	Heating Oil No.2	225	Gallons	Outside	Yes	No	Yes
GWTP	Diesel Fuel	250	Gallons	Outside	Yes	No	Yes
GWTP	Gasoline	3,000	Gallons	Outside	Yes	No	Yes
GWTP	Copper Sulfate Earth Tec	2,750	Gallons	Inside	Yes	Yes, To Quarry***	Yes
GWTP	Used Oil	500	Gallons	Inside	Yes	No	Yes
GWTP	Copper Sulfate Solid	32,000	Pounds	Inside	No	Yes, To Quarry***	No
High Dam	Potassium Permanganate	1,000	Pounds	Inside	Yes	No	No
High Dam	Liquid Oxygen	15,000	Gallons	Outside	No	No	Yes**

GWTP = Griffith Water Treatment Plant; GRWPS = Griffith Raw Water Pump Station

^{**} Liquid Oxygen vaporizes to gaseous oxygen upon exposure to ambient air.

^{***} Floor drains referenced are normally plugged and only opened to allow non-contaminated potable water to enter.

ATTACHMENT A SAMPLING OUTFALL 001 05/27/2020

ATTACHMENT A DEPARTMENT OF ENVIRONMENTAL QUALITY WATER QUALITY CRITERIA MONITORING

Effective January 1, 2012, all analyses shall be in accordance with 1VAC30-45, Certification for Noncommercial Environmental Laboratories, or 1VAC30-46, Accreditation for Commercial Environmental Laboratories.

A listing of Virginia Environmental Laboratory Accreditation Program (VELAP) certified and/or accredited laboratories can be found at the following website:

http://www.dgs.state.va.us/DivisionofConsolidatedLaboratoryServices/Services/EnvironmentalLaboratoryCer tification/tabid/1059/Default.aspx

Please be advised that additional water quality analyses may be necessary and/or required for permitting purposes. *All grab samples collected 05/27/2020.

CASRN	CHEMICAL	EPA ANALYSIS NO.	QUANTIFICATION LEVEL ⁽¹⁾	REPORTING RESULTS	SAMPLE*	SAMPLE FREQUENCY
		META	ALS			
7440-36-0	Antimony, dissolved	(3)	640 ug/L	<5	© or C	1/5 YR
7440-38-2	Arsenic, dissolved	(3)	900 ug/L	<5	Gor C	1/5 YR
7440-43-9	Cadmium, dissolved	(3)	5.9 ug/L	<0.5	⊚ or C	1/5 YR
16065-83-1	Chromium III, dissolved (6)	(3)	380 ug/L	<3	⊚ or C	1/5 YR
18540-29-9	Chromium VI, dissolved (6)	(3)	64 ug/L	4	Gor C	1/5 YR
7440-50-8	Copper, dissolved	(3)	45 ug/L	2	©or C	1/5 YR
7439-92-1	Lead, dissolved	(3)	64 ug/L	<5	Gor C	1/5 YR
7439-97-6	Mercury, dissolved	(3)	4.6 ug/L	<0.2	© or C	1/5 YR
7440-02-0	Nickel, dissolved	(3)	100 ug/L	<5	Gor C	1/5 YR
7782-49-2	Selenium, Total Recoverable	(3)	30 ug/L	<5	Gor C	1/5 YR
7440-22-4	Silver, dissolved	(3)	10 ug/L	<1	⊚ or C	1/5 YR
7440-28-0	Thallium, dissolved	(3)	5ug/L ⁽⁴⁾	<5ug/L	©or C	1/5 YR
7440-66-6	Zinc, dissolved	(3)	400 ug/L	<5	© or C	1/5 YR
	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PESTICIDI	ES/PCBs			
309-00-2	Aldrin	608/625	0.05	<0.05	© or C	1/5 YR
57-74-9	Chlordane	608/625	0.2	<0.2	Gor C	1/5 YR
2921-88-2	Chlorpyrifos (synonym = Dursban)	622	.2 ug/ ₄)L	<0.2	©or C	1/5 YR
72-54-8	DDD	608/625	0.1	<0.05	Gor C	1/5 YR
72-55-9	DDE	608/625	0.1	<0.05	Gor C	1/5 YR
50-29-3	DDT	608/625	0.1	<0.05	Gor C	1/5 YR

CASRN	CHEMICAL	EPA ANALYSIS NO.	QUANTIFICATION LEVEL ⁽¹⁾	REPORTING RESULTS	SAMPLE TYPE ⁽²⁾	SAMPLE FREQUENCY
8065-48-3	Demeton (synonym = Dementon-O,S)	622	(4) ¹ ug/L	<1 ug/L	Gor C	1/5 YR
333-41-5	Diazinon	622	(4) 1 ug/L	<1 ug/L	Gor C	1/5 YR
60-57-1	Dieldrin	608/625	0.1	<0.05	©or C	1/5 YR
959-98-8	Alpha-Endosulfan (synonym = Endosulfan I)	608/625	0.1	<0.05	Gor C	1/5 YR
33213-65-9	Beta-Endosulfan (synonym = Endosulfan II)	608625	0.1	<0.05	Gor C	1/5 YR
1031-07-8	Endosulfan Sulfate	608/625	0.1	<0.05	Gor C	1/5 YR
72-20-8	Endrin	608/625	0.1	<0.05	Gor C	1/5 YR
7421-93-4	Endrin Aldehyde	608/625	0.05 ug/L (4)	<0.05	Gor C	1/5 YR
86-50-0	Guthion (synonym = Azinphos Methyl)	622	(4) 1 ug/L	<1	⊚ or C	1/5 YR
76-44-8	Heptachlor	608/625	0.05	<0.05	Gor C	1/5 YR
1024-57-3	Heptachlor Epoxide	608/625	(4) 0.05 ug/L	<0.05	Gor C	1/5 YR
319-84-6	Hexachlorocyclohexane Alpha-BHC	608/625	(4) 0.05 ug/L	<0.05	Gor C	1/5 YR
319-85-7	Hexachlorocyclohexane Beta-BHC	608/625	(4) 0.05 ug/L	<0.05	Gor C	1/5 YR
58-89-9	Hexachlorocyclohexane Gamma-BHC (syn. = Lindane)	608/625	(4) 0.05 ug/L	<0.05	Gor C	1/5 YR
143-50-0	Kepone	8081 Extended/ 8270C/8270D	(4) 5 ug/L	<5	Gor C	1/5 YR
121-75-5	Malathion	614	(4) 1 ug/L	<1	Gor C	1/5 YR
72-43-5	Methoxychlor	608.2	(4) 0.05 ug/L	<0.05	Gor C	1/5 YR
2385-85-5	Mirex	8081 Extended/ 8270C/8270D	0.05 ug/L	<0.05	Gor C	1/5 YR
56-38-2	Parathion (synonym = Parathión Ethyl)	614	(4) 1 ug/L	<1	Gor C	1/5 YR
1336-36-3	PCB, total	608/625	7.0	<0.5	Gor C	1/5 YR
8001-35-2	Toxaphene	608/625	5.0	<0.5	Gor C	1/5 YR
	BASE N	EUTRAL E	XTRACTA	BLES		
83-32-9	Acenaphthene	610/625	10.0	<5	Gor C	1/5 YR
120-12-7	Anthracene	610/625	10.0	<5	Gor C	1/5 YR
92-87-5	Benzidine	625	(4) 10 ug/L	<10	Gor C	1/5 YR
56-55-3	Benzo (a) anthracene	610/625	10.0	<5	Gor C	1/5 YR
205-99-2	Benzo (b) fluoranthene	610/625	10.0	<5	Gor C	1/5 YR
207-08-9	Benzo (k) fluoranthene	610/625	10.0	<5	Gor C	1/5 YR
50-32-8	Benzo (a) pyrene	610/625	10.0	<5	⊚ or C	1/5 YR
111-44-4	Bis 2-Chloroethyl Ether	625	5 ug/L (4)	<5	Gor C	1/5 YR

CASRN	CHEMICAL	EPA ANALYSIS NO.	QUANTIFICATION LEVEL ⁽¹⁾	REPORTING RESULTS	SAMPLE TYPE ⁽²⁾	SAMPLE FREQUENC
108-60-1	Bis 2-Chloroisopropyl Ether	625	^{5 ug/L} (4)	<5	© or C	1/5 YR
117-81-7	Bis 2-Ethylhexyl Phthalate (syn. = Di-2-Ethylhexyl Phthalate)	625	10.0	<5	©or C	1/5 YR
85-68-7	Butyl benzyl phthalate	625	10.0	<5	⊚ or C	1/5 YR
91-58-7	2-Chloronaphthalene	625	5 ug/L (4)	<5	©or C	1/5 YR
218-01-9	Chrysene	610/625	10.0	<5	© or C	1/5 YR
53-70-3	Dibenzo (a,h) anthracene	610/625	20.0	<5	© or C	1/5 YR
95-50-1	1,2-Dichlorobenzene	602/624	10.0	<5	©or C	1/5 YR
541-73-1	1,3-Dichlorobenzene	602/624	10.0	<5	©or C	1/5 YR
106-46-7	1,4-Dichlorobenzene 602/624 10.0		<5	© or C	1/5 YR	
91-94-1	3,3-Dichlorobenzidine	625	5 ug/L (4)	<5	Gor C	1/5 YR
84-66-2	Diethyl phthalate	625	10.0	<5	⊚ or C	1/5 YR
131-11-3	Dimethyl phthalate	625	5 ug/L (4)	<5	©or C	1/5 YR
84-74-2	Di-n-butyl Phthalate (synonym = Dibutyl Phthalate)	625	10.0	<5	Gor C	1/5 YR
121-14-2	2,4-Dinitrotoluene	625	10.0	<5	Gor C	1/5 YR
122-66-7	1,2-Diphenylhydrazine	625/ 8270C/8270D	5 ug/L (4)	<5	Gor C	1/5 YR
206-44-0	Fluoranthene	610/625	10.0	<5	Gor C	1/5 YR
86-73-7	Fluorene	610/625	10.0	<5	Gor C	1/5 YR
118-74-1	Hexachlorobenzene	625	5 ug/L (4)	<5	Gor C	1/5 YR
87-68-3	Hexachlorobutadiene	625	5 ug/L (4)	<5	Gor C	1/5 YR
77-47-4	Hexachlorocyclopentadiene	625	(4) 5 ug/L	<5	©or C	1/5 YR
67-72-1	Hexachloroethane	625	5 ug/L (4)	<5	© or C	1/5 YR
193-39-5	Indeno(1,2,3-cd)pyrene	610/625	20.0 5 ug/L	<5	©or C	1/5 YR
78-59-1	Isophorone	625	5 ug/L 10.0	<5	⊚ or C	1/5 YR
98-95-3	Nitrobenzene	625	5 ug/L 10.0	<5	⊚ or C	1/5 YR
62-75-9	N-Nitrosodimethylamine	625	(4) 5 ug/L	<5	© or C	1/5 YR
621-64-7	N-Nitrosodi-n-propylamine	625	(4) 5 ug/L	<5	©or C	1/5 YR
86-30-6	N-Nitrosodiphenylamine	625	(4) 5 ug/L	<5	G or C	1/5 YR
129-00-0	Pyrene	610/625	10.0	<5	* Gor C	1/5 YR
120-82-1	1,2,4-Trichlorobenzene	625	10.0	<5	©or C	1/5 YR

CASRN	CHEMICAL	EPA ANALYSIS NO.	QUANTIFICATION LEVEL ⁽¹⁾	REPORTING RESULTS	SAMPLE TYPE ⁽²⁾	SAMPLE FREQUENCY
107-02-8	Acrolein	624	10 ug/L (4)	<10	G	1/5 YR
107-13-1	Acrylonitrile	624	(4) 50 ug/L	<50	G	1/5 YR
71-43-2	Benzene	602/624	10.0	<5	G	1/5 YR
75-25-2	Bromoform	orm 624 10.0 <5		<5	G	1/5 YR
56-23-5	Carbon Tetrachloride	624	10.0	<5	G	1/5 YR
108-90-7	Chlorobenzene (synonym = Monochlorobenzene)	602/624	50.0	<5	G	1/5 YR
124-48-1	Chlorodibromomethane	624	10.0	<5	G	1/5 YR
67-66-3	Chloroform	624	10.0	<5	G	1/5 YR
75-27-4	Dichlorobromomethane	624	10.0	<5	G	1/5 YR
107-06-2	1,2-Dichloroethane	624	10.0	<5	G	1/5 YR
75-35-4	1,1-Dichloroethylene	624	10.0	<5	G	1/5 YR
156-60-5	1,2-trans-dichloroethylene	624	5 ug/L (4)	<5	G	1/5 YR
78-87-5	1,2-Dichloropropane -	624	(4) 5 ug/L	<5	G	1/5 YR
542-75-6	1,3-Dichloropropene	624	10 ug/L (4)	<10	G	1/5 YR
100-41-4	Ethylbenzene	602/624	10.0	<5	G	1/5 YR
74-83-9	Methyl Bromide (synonym = Bromomethane)	624	5 ug/L (4)	<5	G	1/5 YR
75-09-2	Methylene Chloride (synonym = Dichloromethane)	624	20.0	<5	G	1/5 YR
79-34-5	1,1,2,2-Tetrachloroethane	624	5 ug/L (4)	<5	G	1/5 YR
127-18-4	Tetrachloroethylene (synonym = Tetrachloroethene)	624	10.0	<5	G	1/5 YR
10-88-3	Toluene	602/624	10.0	<5	G	1/5 YR
79-00-5	1,1,2-Trichloroethane	624	5 ug/L (4)	<5	G	1/5 YR
79-01-6	Trichloroethylene (synonym = Trichloroethene)	624	10.0	<5	G	1/5 YR
75-01-4	Vinyl Chloride	624	10.0	<5	O	1/5 YR
	AC	CID EXTRA	CTABLES			
95-57-8	2-Chlorophenol	625	10.0	<5	⊚ or C	1/5 YR
120-83-2	2,4 Dichlorophenol	625	10.0	<5	©or C	1/5 YR
105-67-9	2,4 Dimethylphenol	625	10.0	<5	©or C	1/5 YR
51-28-5	2,4-Dinitrophenol	625	20 ug/L (4)	<20	⊚r C	1/5 YR
534-52-1	2-Methyl-4,6-Dinitrophenol	625	5 ug/L (4)	<5	©or C	1/5 YR
25154-52-3	Nonylphenol	ASTM D 7065-06	5 ug/L (4)	<5	Gor C	1/5 YR

CASRN	CHEMICAL	EPA ANALYSIS NO.	QUANTIFICATION LEVEL ⁽¹⁾	REPORTING RESULTS	SAMPLE TYPE ⁽²⁾	SAMPLE FREQUENCY
87-86-5	Pentachlorophenol	625	50.0	<5	Gor C	1/5 YR
108-95-2	Phenol	625	10.0	<5	Gor C	1/5 YR
88-06-2	2,4,6-Trichlorophenol	625	10.0	<5	Gor C	1/5 YR
		MISCELLA		Fairfax Water mposite in Ma		
776-41-7	Ammonia as NH3-N	350.1	200	<100	Grab**	1/5 YR
16887-00-6	Chloride	(3)	0.5 mg/L (4)	34.6 mg/L	Grab**	1/5 YR
7782-50-5	Chlorine, Total Residual	(3)	0.01 mg/L 100	<.01 mg/L	G	1/5 YR
57-12-5	Cyanide, Free (8)	ASTM 4282-02	10.0	<5 .	G	1/5 YR
N/A	E. coli (N/CML)	(3)	(4)	1 MPN/100mL	G	1/5 YR
18496-25-8	Sulfide, dissolved (7)	SM 4500 S ² B	100	<50	*Gor C	1/5 YR
60-10-5	Tributyltin	GC/FPD(5)	0.03 ug/L (4)	<0.03	Gor C	1/5 YR
471-34-1	Hardness (mg/L as CaCO ₃)	(3)	0.331 (4) mg/L	65 mg/L	Gor C	1/5 YR

Joel L. Thompson, Production Director

Name of Principal Executive Officer or Authorized Agent & Title

Signature of Principal Executive Officer or Authorized Agent & Date

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

for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. See 18 U.S.C. Sec. 1001 and 33 U.S.C. Sec. 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

FOOTNOTES:

(1) Quantification level (QL) means the minimum levels, concentrations, or quantities of a target variable (e.g. target analyte) that can be reported with a specified degree of confidence in accordance with 1VAC30-45, Certification for Noncommercial Environmental Laboratories, or 1VAC30-46, Accreditation for Commercial Environmental Laboratories.

The quantification levels indicated for the metals are actually Specific Target Values developed for this permit. The Specific Target Value is the approximate value that may initiate a wasteload allocation analysis. Target values are not wasteload allocations or effluent limitations. The Specific Target Values are subject to change based on additional information such as hardness data, receiving stream flow, and design flows.

Units for the quantification level are micrograms/liter unless otherwise specified.

Quality control and quality assurance information (i.e. laboratory certificates of analysis) shall be submitted to document that the required quantification level has been attained.

(2) Sample Type

G = Grab = An individual sample collected in less than 15 minutes. Substances specified with "grab" sample type shall only be collected as grabs. The permittee may analyze multiple grabs and report the average results provided that the individual grab results are also reported. For grab metals samples, the individual samples shall be filtered and preserved immediately upon collection.

C = Composite = A 24-hour composite unless otherwise specified. The composite shall be a combination of individual samples, taken proportional to flow, obtained at hourly or smaller time intervals. The individual samples may be of equal volume for flows that do not vary by +/- 10 percent over a 24-hour period.

- (3) A specific analytical method is not specified; however, an appropriate method to meet the QL shall be selected from any approved method presented in 40 CFR Part 136.
- (4) The QL is at the discretion of the permittee. If the test result is less than the method QL, a "<[QL]" shall be reported where the actual analytical test QL is substituted for [QL].
- (5) Analytical Methods: Analysis of Butyltins in Environmental Systems by the Virginia Institute of Marine Science, dated November 1996 (currently the only Virginia Environmental Laboratory Accreditation Program (VELAP) accredited method).

- (6) Both Chromium III and Chromium VI may be measured by the total chromium analysis. The total chromium analytical test QL shall be less than or equal to the lesser of the Chromium III or Chromium VI method QL listed above. If the result of the total chromium analysis is less than the analytical test QL, both Chromium III and Chromium VI can be reported as "<[QL]", where the actual analytical test QL is substituted for [QL].
- (7) Dissolved sulfide may be measured by the total sulfide analysis. The total sulfide analytical test QL shall be less than or equal to the dissolved sulfide method QL listed above. If the result of the total sulfide analysis is less than the analytical test QL, dissolved sulfide can be reported as "<[QL]", where the actual analytical test QL is substituted for [QL].
- (8) Free cyanide may be measured by the total cyanide analysis. The total cyanide analytical test QL shall be less than or equal to the free cyanide method QL listed above. If the result of the total cyanide analysis is less than the analytical test QL, free cyanide can be reported as "<[QL]", where the actual analytical test QL is substituted for [QL].

Print Form Only

United States Environmental Protection Agency Office of Water Washington, D.C.

EPA Form 3510-2F Revised March 2019

Water Permits Division



Application Form 2F Stormwater Discharges Associated with Industrial Activity

NPDES Permitting Program

Note: Complete this form *and* Form 1 if you are a new or existing facility whose discharge is composed entirely of stormwater associated with industrial activity, excluding discharges from construction activity under 40 CFR 122.26(b)(14)(x) or (b)(15). If your discharge is composed of stormwater *and* non-stormwater, you must complete Forms 1 and 2F, *and* you must complete Form 2C, 2D, or 2E, as appropriate. See the "Instructions" inside for further details.

EPA Identification Number NPDES Permit Number Facility Name VA0002585 VAR000512939 FCWA Griffith Water Treatment

Form



U.S Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater

Form Approved 03/05/19 OMB No. 2040-0004

NPDES	≫E	:PA	STORMWA	• •		S ASSOCIA	_	industri	 AL ACTIVIT	Υ	
SECTION			TION (40 CFR 122.21(g								
	1.1	Outfall	ormation on each of the Receiving Water Na			table below			Longitude		
		Number				41 11"	•	770		-"	
iion		001	Occoquan River				N	77°	15′ 16		
Locat		002	Drainage Trib. to Occo	<u> </u>		41′ 36″	N	77°		2" W	
Outfall Location		003	Drainage Trib. to Occo	quan 3		41′ 7″	N	77°	15′ 28		
Ō		004	Drainage Trib. to Occo	4		41′ 48″	N	77°	15′ 22		
		005	Drainage Trib. to Occo	quan 3		41 48"	N	77°	15 ' 45		
		006	Drainage Trib. to Occo	quaii	38° 4	41' 54"	N	77°	15 ['] 25	5″ W	
SECTION	1 2. IMPR 2.1		6 (40 CFR 122.21(g)(6)) esently required by any f		or local:	authority to m	eet an imn	lementation s	chedule for a	onstructing	
	2.1	upgrading,	or operating wastewate	r treatment ed	quipment						
		The day of	lischarges described in t	nis applicatio	n?	V	No → SKI	IP to Section :	3.		
	2.2	<u>'</u>	tify each applicable proj	each applicable project in the table below.							
			Identification and	Affected O					Final Compl	liance Dates	
		_	ription of Project	(list outfall nu		Sourc	e(s) of Disc	charge	Required	Projected	
		Nothing is r	eq'd. of Fairfax Water								
		by an Authority Having Juris. Efforts by FW, and Vulcan									
		Material Co	. assoc with outfalls								
nts		are noted in	n Tech Memo 2F-2.3.								
orovements											
Impro											
_											
	2.3	Have you	attached sheets describi	na any additio	anal wato	ar pollution co	ntrol progra	ame (or other	environmento	al projects	
	۷.۵	that may af	flect your discharges) the						GIIVII OI II I I EI I (6	ii biolecto	
		✓ Yes		Г] No						

EPA lo	dentification	Number	NPDES Permit Number	F	acility Name		proved 03/05/19
VA	AR000512	2939	VA0002585	FCWA Griff	ith Water Treatment	OMB	No. 2040-0004
SECTION	3 SITE	DRAINAGE	MAP (40 CFR 122.26(c)(1)(i)(A))				
Site Drainage Map	3.1		ttached a site drainage map contain	ining all required	information to this appl	lication? (See instruct	ions for
ō		☑ Yes		☐ No			
SECTION	4. POL	LUTANT SOL	JRCES (40 CFR 122.26(c)(1)(i)(B))			
	4.1		rmation on the facility's pollutant s		le below. please al	lso see Table 2	2F-4.1
		Outfall	Impervious Surface			urface Area Drained	
		Number	(within a mile radius of the	,,	(within a	mile radius of the facility)	an a aife conita
		001	3.7	specify units acres	82		specify units acres
				specify units			specify units
		002	6.1	acres	13.3	2	acres
		003	0.45	specify units acres	3.4	1	specify units acres
				specify units			specify units
		004	6.5	acres	11.3	2	acres
				specify units			specify units
		005	0.48	acres	1.2	!	acres
		005	0.0	specify units	47.		specify units
		006	9.9	acres	47.	b	acres
	4.2	Provide a na requiremen	arrative description of the facility's ts.)	significant mater	ial in the space below.	(See instructions for o	content
Pollutant Sources		stored Prevention preventio measures ir	fer to Table 2C-8.2. Most materia outdoors, appropriate secondary Control and Countermeasure Plan measures for chemical deliveries include, but are not limited to, second for each on-site chemical, and a During all deliveries, operator	containment me ns are in place. Cl ss are employed t ondary containme dequate emerge	asures are used. Facilit hemical deliveries do o through structural and ent at hook up points, o ency response / spill res	y Stormwater O&M a ccur on a regular dail non-structural measu operator training on s sponse equipment an	and Spill y basis. Spill ares. These afe handling
	4.3	Provide the	location and a description of exist	ing structural and	I non-structural control	measures to reduce i	nollutants in
	1.0		runoff. (See instructions for specific		Thom our dottar ar dominar	1110000100 10 100000 1	Jonatanto III
				Stormwater Tr	eatment		
		Outfall Number		Control Measures	and Treatment		Codes from Exhibit 2F-1 (list)
			Please refer to Table 2F-4.3				
							1-
							1

	R000512		VA0002585	FCWA Griffith Wa			OMB No. 2040-0004			
SECTION	N 5. NON	STORMWAT	TER DISCHARGES (40 CFR 122.26(c)(1)(i)(C))			AND THE PERSON			
	5.1	I certify und presence o	der penalty of law that the outfall(s) f non-stormwater discharges. Moreo are described in either an accompanyi	covered by this ap ver, I certify that t	he outfalls ider	ntified a				
		Name (print	or type first and last name)		Official title	Official title				
		Joel L. Thom	pson		Director, Prod	Director, Production				
		Signature	11	:	Date signed					
S		6/10	US Jum		0 9/02/2 020	9-	3-2020			
arge	5.2	Provide the	testing information requested in the tal	ble below.			0 4 0 . 0			
er Disch		Outfall Number	Description of Testing Met	hod Used	Date(s) of Te	sting	Onsite Drainage Points Directly Observed During Test			
rmwate		001	Quarterly & Annual sampling and	visual inspection	05/27/20)20	quarry inflow; outlet			
Non-Stormwater Discharges		002	Quarterly visual inspection. Weekly	tank/contain.check	04/14/20)20	clearwell overflow outlet			
		003	Quarterly visual inspection. Weekly	tank/contain.check	. 04/14/20)20	catchbasins, outlet pipe			
		004	Quarterly visual inspection. Weekly	tank/contain.check	04/14/20)20	catchbasins, loading dock			
		005	Quarterly visual inspection. Weekly	tank/contain.check	04/14/20)20	catchbasin, outlet pipe			
		006	Quarterly visual inspection. Weekly		04/14/20)20	catchbasins, pond outlet			
SECTION	6.1		AKS OR SPILLS (40 CFR 122.26(c)(1		: 4 1 14	FIRM				
<u>s</u>	0.1		y significant leaks or spills of toxic or h to Table 2F-6.1 for details concerning			•	nd 08/05/2019			
Significant Leaks or Spills		riedse reier	to Table 21-6.1 for details concerning	minor leaks on 02/	12/2018, 03/07/	2019, a	na 06/03/2019.			
SECTIO	N 7. DIS	CHARGE INF	ORMATION (40 CFR 122.26(c)(1)(i)(E	Ξ))		-71				
5			to determine the pollutants and parame plicants need to complete each table.	eters you are require	ed to monitor an	d, in turi	n, the tables you must			
natio	7.1		w source or new discharge?							
Discharge Information		☐ Yes	→ See instructions regarding submiss nated data.		o → See instruc ctual data.	tions re	garding submission of			
harg		A, B, C, and								
Discl	7.2		ompleted Table A for each outfall?	- 111 <u>4</u> 14						
		✓ Yes		☐ No	0					

EPA I	dentification	n Number	NPDES Permit Number	Faci	lity Name	Form Approved 03/05/19			
V	AR000512	2939	VA0002585	FCWA Griffith	Water Treatment	OMB No. 2040-000			
	7.3	Is the facility wastewater	y subject to an effluent limitation guide ?	line (ELG) or eff	luent limitations in a	n NPDES permit for its process			
		☐ Yes		V	No → SKIP to Ite	m 7.5.			
	7.4		ompleted Table B by providing quantita						
		l	an ELG and/or (2) subject to effluent li	imitations in an I	•	e facility's process wastewater?			
	7.5	☐ Yes		_	No				
	7.5								
	7.6		atad all nallutanta in Evhibit 2E 2 that	vou know or how					
	7.0	Have you listed all pollutants in Exhibit 2F–2 that you know or have reason to believe are present in the discharge provided quantitative data or an explanation for those pollutants in Table C?							
		✓ Yes			No				
	7.7	Do you qua	lify for a small business exemption und	pecified in the Instru	ctions?				
		☐ Yes	→SKIP to Item 7.18.	V	No				
	7.8	Do you know or have reason to believe any pollutants in Exhibit 2F-3 are present in the discharge?							
Discharge Information Continued		✓ Yes			No → SKIP to Ite	m 7.10.			
	7.9	Have you list Table C?	sted all pollutants in Exhibit 2F–3 that	you know or hav	e reason to believe	are present in the discharge in			
		✓ Yes			No				
	7.10	7.10 Do you expect any of the pollutants in Exhibit 2F-3 to be discharged in concentrations of 10 ppb or great							
		☐ Yes		V	No → SKIP to Ite	m 7.12.			
	7.11		rovided quantitative data in Table C for ons of 10 ppb or greater?	r those pollutant	s in Exhibit 2F–3 tha	at you expect to be discharged in			
scha		☐ Yes			No				
Š	7.12	Do you expect acrolein, acrylonitrile, 2,4-dinitrophenol, or 2-methyl-4,6-dinitrophenol to be discharged in concern of 100 ppb or greater?							
		☐ Yes		V	No → SKIP to Ite	m 7.14.			
	7.13		rovided quantitative data in Table C for in concentrations of 100 ppb or greate		dentified in Item 7.12	2 that you expect to be			
		☐ Yes			No				
	7.14	Have you provided quantitative data or an explanation in Table C for pollutants you expect to be present in the discharge at concentrations less than 10 ppb (or less than 100 ppb for the pollutants identified in Item 7.12)?							
		✓ Yes			No				
	7.15	Do you kno	w or have reason to believe any polluta	ants in Exhibit 2	F–4 are present in th	ne discharge?			
		☐ Yes		V	No → SKIP to Ite	m 7.17.			
	7.16		sted pollutants in Exhibit 2F–4 that you in Table C?	know or believe	e to be present in the	e discharge and provided an			
		☐ Yes			No				
	7.17	Have you p	rovided information for the storm even	t(s) sampled in 7	Table D?				
		✓ Yes			No				

EPA Form 3510-2F (Revised 3-19) Page 4

EPA	identificatio	n Number	NPDES P	ermit Number	F	-acility Name		Form Approved 03/05/19	
V	'AR000512939		VA0002585		FCWA Griffith Water Treatment		OMB No. 2040-0004		
Discharge Information Continued	Used o	r Manufactur	ed Toxics						
	7.18 Is any pollutant listed on Exhibits 2F–2 through 2F–4 a substance or a component of a substance u manufactured as an intermediate or final product or byproduct?								
		☑ Yes				□ No -	→ SKIP to Section	n 8.	
	7.19	List the pollutants below, including TCDD if applicable. 1. Refer to Table 2C-8 2 for chemicals 4. 7.							
		Refer to Tubic 20 0.2 for elicinicals							
		2. used in the treatment process, ex. 5.				8.			
		3.	6.			9.			
SECTIO	N 8. BIO	LOGICAL TO	XICITY TESTING	DATA (40 CFR 122	.21(a)(11))				
	8.1	8. BIOLOGICAL TOXICITY TESTING DATA (40 CFR 122.21(g)(11)) 8.1 Do you have any knowledge or reason to believe that any biological test for acute or chronic toxic any of your discharges or on a receiving water in relation to your discharge within the last three y							
ting D		✓ Yes				□ No	→ SKIP to Section	on 9. 09/02/2020	
Tes	8.2	Identify the t	tests and their pur	rposes below.					
Biological Toxicity Testing Data		Т	est(s)	Purpose of T	est(s)		ed to NPDES ng Authority?	Date Submitted	
		chronic 3-l	brood; & 7-day	Annual Permit Re	quirement	✓ Yes	□ No	01/07/2020	
		chronic 3-l	brood; & 7-day	Annual Permit 2020	0 due 12/20	☐ Yes	₽ No		
_		chronic 3-l	brood; & 7-day	Redo Annual to su	bmit 12/20	☐ Yes	✓ No		
SECTIO	N 9. CON	ITRACT ANA	LYSIS INFORMA	ATION (40 CFR 122.2	21(g)(12))				
	9.1	Were any of the analyses reported in Section 7 (on Tables A through C) performed by a contract laboratory or consulting firm?							
		✓ Yes				□ No	→ SKIP to Section	on 10.	
	9.2	Provide info	rmation for each of	contract laboratory or	consulting fir	m below.			
				Laboratory Nui	mber 1	Labora	tory Number 2	Laboratory Number 3	
Contract Analysis Information		Name of lab	oratory/firm	JR Reed & Associate	S	Fairfax Wat Laboratory	•	na	
		Laboratory a	address	770 Pilot House Driv Newport News, VA		1295 Fred N Herndon, V	,		
		Phone numb	per	(757) 873-4703		(703) 698-5	613		
		Pollutant(s)	analyzed	All analyses except p temperature	oH, TSS,	pH, TSS, ter	mperature		

EPA Form 3510-2F (Revised 3-19) Page 5

EPA Identification Number	NPDES Permit Number	Facility Name	Form Approved 03/05/19
VAR000512939	VA0002585	FCWA Griffith Water Treatment	OMB No. 2040-0004

In Column 1 below, mark the sections of Form 2F that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to complete all sections or provide attachments.					
w/ attachments (e.g., responses for additional outfalls)					
w/ attachments Tech Memo 2F-2.3					
✓ w/ site drainage map Figure 2F-3.1					
s)					
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Name (print or type first and last name) Official title					
ne					

EPA Identification Number NPDES Permit Number Facility Name Outfall Number Form Approved 03/05/19
VAR000512939 VA0002585 FCWA Griffith Water Treatment 001

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))1 You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements. **Maximum Daily Discharge** Average Daily Discharge Source of (specify units) (specify units) Information **Number of Storm Pollutant or Parameter** Grab Sample Taken **Grab Sample Taken** (new source/new Flow-Weighted **Events Sampled** Flow-Weighted During First * During First dischargers only; use Composite Composite codes in instructions) 30 Minutes 30 Minutes Oil and grease <5.0 mg/L <5.0 mg/L 1 Biochemical oxygen demand (BOD₅) 2. 3.4 mg/L NA 3.4 NA 1 Chemical oxygen demand (COD) 14 14 NA 1 NA Total suspended solids (TSS) 4. 5 mg/L 2.7 mg/L 10 NA NA 5. Total phosphorus <0.1 mg/L NA <0.1 mg/L NA 3 Total Kjeldahl nitrogen (TKN) 0.61 mg/L 0.58 mg/L 3 NA NA Total nitrogen (as N) 1.6 mg/L 1.4 mg/L 3 NA NA pH (minimum) 7 7.4 10 8. pH (maximum) 7.8 7.4 10

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

^{*} Outfall 001 (Quarry), a 0.68 billion gallon impoundment, does not exhibit a "first flush" or additional flow during rain events. Data is from scheduled Permit sampling over last 3 years (TSS, TP, TKN, TN, pH) and Application sampling (Oil/Grease, BOD, COD) 05/27/2020.

Form Approved 03/05/	Outfall Number	Facility Name	NPDES Permit Number	EPA Identification Number
OMB No. 2040-00	001	FCWA Griffith Water Treatment	VA0002585	VAR000512939

TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))1

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

	Maximum Dai (specify	ily Discharge runits)	(specify	Average Daily Discharge (specify units)		Source of Information
Pollutant and CAS Number (if available)	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Number of Storm Events Sampled	(new source/new dischargers only; use codes in instructions)
NA						

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))1

List each pollutant shown in Exhibits 2F–2, 2F–3, and 2F–4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

Maximum Dai (specify	ly Discharge units)	Average Daily Discharge (specify units)		Number of Storm	Source of Information
Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Events Sampled	(new source/new dischargers only; use codes in instructions)
			No other pollutant	expected to be	present.
	Grab Sample Taken During First	During First	Grab Sample Taken During First Flow-Weighted Grab Sample Taken During First	Grab Sample Taken During First 30 Minutes Flow-Weighted Composite Grab Sample Taken During First 30 Minutes Flow-Weighted Composite Grab Sample Taken During First Composite	Grab Sample Taken During First 30 Minutes Flow-Weighted Composite Grab Sample Taken During First Composite Grab Sample Taken During First Composite Flow-Weighted Composite Flow-Weighted Composite

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
07/22/2020					
	2.5	1.37	21	4050 gpm**	607,500 gallons**

Provide a description of the method of flow measurement or estimate.

Refer to Mass Balance Flow Schematic, FIGURE 2C-2.1. Flow from Outfall 001 remains generally consistent at 5.8 MGD.

Click to go back to the beginning of Form

^{**}The storm water contribution for representative storm runoff to a 0.68 BG quarry impoundment has been estimated using the Rational Method (82 acres; C-factor 0.2) for the maximum flow rate, and the SCS curve method for the total flow.

EPA Identification Number NPDES Permit Number Facility Name Outfall Number Form Approved 03/05/19
VAR000512939 VA0002585 FCWA Griffith Water Treatment 002

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))1 You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements. **Maximum Daily Discharge** Average Daily Discharge Source of (specify units) (specify units) Information **Number of Storm Pollutant or Parameter** Grab Sample Taken **Grab Sample Taken** (new source/new Flow-Weighted Flow-Weighted **Events Sampled During First During First** dischargers only: use Composite Composite codes in instructions) 30 Minutes 30 Minutes Oil and grease Biochemical oxygen demand (BOD₅) 2. * Outfall 002 (South Pond) has not had discharge in > 5 years and there is no permanent pool to sample. Chemical oxygen demand (COD) Total suspended solids (TSS) 4. 5. Total phosphorus Total Kjeldahl nitrogen (TKN) Total nitrogen (as N) pH (minimum) 8. pH (maximum)

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

^{*} As per Fairfax Water's 14 May 2020 Letter to DEQ, Outfall 002 (South Pond) has not had discharge in > 5 years and there is no permanent pool to sample. Therefore, no data was collected for this Outfall during this Permit Term.

TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))1

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

	Maximum Dai (specify	ly Discharge units)	Average Dail (specify	y Discharge units)	Number of Storm	Source of Information (new source/new dischargers only; use codes in instructions)
Pollutant and CAS Number (if available)	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Events Sampled	
NA						

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))1

List each pollutant shown in Exhibits 2F–2, 2F–3, and 2F–4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

	Maximum Dai (specify	ly Discharge units)	Average Daily (specify	y Discharge units)	Number of Storm	Source of Information
Pollutant and CAS Number (if available)	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Events Sampled	(new source/new dischargers only; use codes in instructions)
* Outfall 002 (South Pond) has no	t had discharge	in > 5 vears				
* Outfall 002 (South Pond) has no and there is no permanent pool t	o sample.					

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
07/22/2020					
	2.5	1.37	21	0**	0**
5					

Provide a description of the method of flow measurement or estimate.

^{*} Outfall 002 (South Pond) has not had discharge in > 5 years and there is no permanent pool to sample. The area is currently under Vulcan Materials Co. site plan construction with Fairfax County-approved Erosion and Sediment Control measures.

EPA Identification Number NPDES Permit Number Facility Name Outfall Number Form Approved 03/05/19
VAR000512939 VA0002585 FCWA Griffith Water Treatment 003

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))1 You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements. Maximum Daily Discharge Average Daily Discharge Source of (specify units) (specify units) Information **Number of Storm Pollutant or Parameter** Grab Sample Taken **Grab Sample Taken** (new source/new Flow-Weighted Flow-Weighted **Events Sampled During First During First** dischargers only; use Composite Composite 30 Minutes codes in instructions) 30 Minutes Oil and grease <5.0 mg/L <5.0 mg/L 1 Biochemical oxygen demand (BOD₅) 2. 10 mg/L 10 mg/L NA NA 1 Chemical oxygen demand (COD) 41 mg/L NA 41 mg/L NA 1 Total suspended solids (TSS) 4. 6 mg/L NA 6 mg/L 1 NA

0.86 mg/L

1.52 mg/L

2.2 mg/L

7.2

7.2

NA

NA

NA

1

1

1

1

1

NA

NA

NA

0.86 mg/L

1.52 mg/L

2.2 mg/L

7.2

7.2

5.

8.

Total phosphorus

Total nitrogen (as N)

pH (minimum)

pH (maximum)

Total Kjeldahl nitrogen (TKN)

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

Form Approved 03/	Outfall Number	Facility Name	NPDES Permit Number	EPA Identification Number
OMB No. 2040	003	FCWA Griffith Water Treatment	VA0002585	VAR000512939

TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))1

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

	Maximum Dai (specify	ly Discharge (units)	Average Daily Discharge (specify units)		Number of Storm	Source of Information
Pollutant and CAS Number (if available)	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Events Sampled	(new source/new dischargers only; use codes in instructions)
NA						

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))1

List each pollutant shown in Exhibits 2F–2, 2F–3, and 2F–4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

	Maximum Dai (specify	ly Discharge units)	Average Dail (specify	y Discharge y units)	Number of Storm	Source of Information
Pollutant and CAS Number (if available)	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Events Sampled	(new source/new dischargers only; use codes in instructions)
No pollutants expected to be present.						

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
07/22/2020					
	2.5	1.37	21	335 gpm**	50,250 gallons**

Provide a description of the method of flow measurement or estimate.

**The storm water have been estimated using the Rational Method (3.4 acres; C-factor 0.4) for the maximum flow rate, and the SCS curve method for the total flow.

Form Approved 03/05/19 OMB No. 2040-0004 **EPA Identification Number** NPDES Permit Number Facility Name Outfall Number 004 VAR000512939 VA0002585 FCWA Griffith Water Treatment

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))1 You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

		Maximum Daily Discharge (specify units)		Average Dail (specify		Number of Storm	Source of Information
	Pollutant or Parameter	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Events Sampled	(new source/new dischargers only; use codes in instructions)
1.	Oil and grease	<5.0 mg/L		<5.0 mg/L		1	
2.	Biochemical oxygen demand (BOD₅)	8.8 mg/L	NA	8.8 mg/L	NA	1	
3.	Chemical oxygen demand (COD)	34 mg/L	NA	34 mg/L	NA	1	
4.	Total suspended solids (TSS)	4 mg/L	NA	4 mg/L	NA	1	
5.	Total phosphorus	0.66 mg/L	NA	0.66 mg/L	NA	1	
6.	Total Kjeldahl nitrogen (TKN)	1.22 mg/L	NA	1.22 mg/L	NA	1	
7.	Total nitrogen (as N)	2.2 mg/L	NA	2.2 mg/L	NA	1	
0	pH (minimum)	7.3		7.3		1	
8.	pH (maximum)	7.3		7.3		1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

tion Number	cation Number NPDES Permit Number	Facility Name	Outfall Number	Form Approved 03/05/19
512939	0512939 VA0002585	FCWA Griffith Water Treatment	004	OMB No. 2040-0004

TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))1

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		- Number of Storm	Source of Information
Pollutant and CAS Number (if available)	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Events Sampled	(new source/new dischargers only; use codes in instructions)
NA						

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))1

List each pollutant shown in Exhibits 2F–2, 2F–3, and 2F–4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		- Number of Storm	Source of Information
Pollutant and CAS Number (if available)	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Events Sampled	(new source/new dischargers only; use codes in instructions)
No pollutants expected to be present.						

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
07/22/2020					
	2.5	1.37	21	1,590 gpm**	238,500 gallons**

Provide a description of the method of flow measurement or estimate.

**The storm water have been estimated using the Rational Method (11.2 acres; C-factor 0.6) for the maximum flow rate, and the SCS curve method for the total flow.

Click to go back to the beginning of Form

EPA Identification Number NPDES Permit Number Facility Name Outfall Number Form Approved 03/05/19
VAR000512939 VA0002585 FCWA Griffith Water Treatment 005

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

		Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		Number of Storm	Source of Information
Pollutant or Parameter		Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Events Sampled	(new source/new dischargers only; use codes in instructions)
1.	Oil and grease	<5.0 mg/L		<5.0 mg/L		1	
2.	Biochemical oxygen demand (BOD₅)	7.8 mg/L	NA	7.8 mg/L	NA	1	
3.	Chemical oxygen demand (COD)	34 mg/L	NA	34 mg/L	NA	1	
4.	Total suspended solids (TSS)	4 mg/L	NA	4 mg/L	NA	1	
5.	Total phosphorus	0.69 mg/L	NA	0.69 mg/L	NA	1	
6.	Total Kjeldahl nitrogen (TKN)	1.14 mg/L	NA	1.14 mg/L	NA	1	
7.	Total nitrogen (as N)	1.6 mg/L	NA	2.2 mg/L	NA	1	
8.	pH (minimum)	7.3		7.3		1	
0.	pH (maximum)	7.3		7.3		1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

A Identification Number	NPDES Permit Number	Facility Name	Outfall Number	Form Approved 03/05/19
VAR000512939	VA0002585	FCWA Griffith Water Treatment	005	OMB No. 2040-0004

TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))1

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

	Maximum Daily Discharge (specify units)		Average Daily Discharge (specify units)		- Number of Storm	Source of Information
Pollutant and CAS Number (if available)	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Events Sampled	(new source/new dischargers only; use codes in instructions)
NA						

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))1

List each pollutant shown in Exhibits 2F–2, 2F–3, and 2F–4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

	Maximum Dai (specify	ly Discharge units)	Average Dail (specify	y Discharge v units)	Number of Storm	Source of Information	
Pollutant and CAS Number (if available)	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Events Sampled	(new source/new dischargers only; use codes in instructions)	
No pollutants expected to be present.							

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

EPA Form 3510-2F (Revised 3-19)

TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event Duration of Storm Event (in hours)		Total Rainfall During Storm Event (in inches) Number of Hours Between Beginning of Storm Measured End of Previous Measurable l Event		Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
07/22/2020					
	2.5	1.37	21	150 gpm**	22,500 gallons**

Provide a description of the method of flow measurement or estimate.

**The storm water have been estimated using the Rational Method (1.2 acres; C-factor 0.5) for the maximum flow rate, and the SCS curve method for the total flow.

Click to go back to the beginning of Form

EPA Identification Number NPDES Permit Number Facility Name Outfall Number Form Approved 03/05/19
VAR000512939 VA0002585 FCWA Griffith Water Treatment 006

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETERS (40 CFR 122.26(c)(1)(i)(E)(3))¹

You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details and requirements.

Maximum Daily Discharge

Average Daily Discharge

		Maximum Dai (specify		Average Dail (specify		Number of Storm	Source of Information
	Pollutant or Parameter	Grab Sample Taken During First 30 Minutes Flow-Weighted Composite		Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Events Sampled	(new source/new dischargers only; use codes in instructions)
1.	Oil and grease	<5.0 mg/L		<5.0 mg/L		1	
2.	Biochemical oxygen demand (BOD₅)	4.2 mg/L	NA	4.2 mg/L	NA	1	
3.	Chemical oxygen demand (COD)	21 mg/L	NA	21 mg/L	NA	1	
4.	Total suspended solids (TSS)	48 mg/L	NA	48 mg/L	NA	1	
5.	Total phosphorus	0.13 mg/L	NA	0.13 mg/L	NA	1	
6.	Total Kjeldahl nitrogen (TKN)	0.67 mg/L	NA	0.67 mg/L	NA	1	
7.	Total nitrogen (as N)	0.8 mg/L	NA	0.8 mg/L	NA	1	
0	pH (minimum)	7.7		7.7		1	
8.	pH (maximum)	7.7		7.7		1	

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

EPA Form 3510-2F (Revised 3-19)
Page 47

Form Approved 03/05	Outfall Number	Facility Name	NPDES Permit Number	EPA Identification Number
OMB No. 2040-0	006	FCWA Griffith Water Treatment	VA0002585	VAR000512939

TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(A))1

List each pollutant that is limited in an effluent limitation guideline (ELG) that the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

	Maximum Dai (specify	ly Discharge units)	Average Dail (specify	y Discharge y units)	Number of Storm	Source of Information
Pollutant and CAS Number (if available)	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Events Sampled	(new source/new dischargers only; use codes in instructions)
NA						

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

EPA Form 3510-2F (Revised 3-19)

TABLE C. TOXIC POLLUTANTS, CERTAIN HAZARDOUS SUBSTANCES, AND ASBESTOS (40 CFR 122.26(c)(1)(i)(E)(4) and 40 CFR 122.21(g)(7)(vi)(B) and (vii))1

List each pollutant shown in Exhibits 2F–2, 2F–3, and 2F–4 that you know or have reason to believe is present. Complete one table for each outfall. See the instructions for additional details and requirements.

	Maximum Dai (specify	ly Discharge units)	Average Dail (specify	y Discharge v units)	Number of Storm	Source of Information	
Pollutant and CAS Number (if available)	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-Weighted Composite	Events Sampled	(new source/new dischargers only; use codes in instructions)	
No pollutants expected to be present.							

¹ Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

EPA Form 3510-2F (Revised 3-19)

TABLE D. STORM EVENT INFORMATION (40 CFR 122.26(c)(1)(i)(E)(6))

Provide data for the storm event(s) that resulted in the maximum daily discharges for the flow-weighted composite sample.

Date of Storm Event	Duration of Storm Event (in hours)	Total Rainfall During Storm Event (in inches)	Number of Hours Between Beginning of Storm Measured and End of Previous Measurable Rain Event	Maximum Flow Rate During Rain Event (in gpm or specify units)	Total Flow from Rain Event (in gallons or specify units)
07/22/2020					
	2.5	1.37	21	3,760 gpm**	564,000 gallons**

Provide a description of the method of flow measurement or estimate.

**The storm water have been estimated using the Rational Method (47.6 acres; C-factor 0.32) for the maximum flow rate, and the SCS curve method for the total flow.

Click to go back to the beginning of Form

TECH MEMO 2F - 2.3

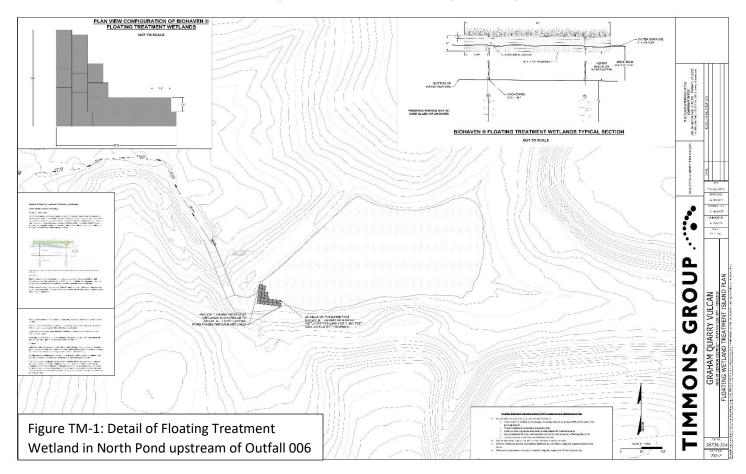
Changes and Improvements to Stormwater Outfalls Since Last Permit

Background:

Improvements and repairs to Outfalls that may impact performance are made under the existing Operations and Maintenance (O&M) Plan. In addition, expansion of quarry operations around the Griffith Water Treatment Plant (GWTP) by Vulcan Materials Company (Vulcan), necessitated some changes to some Outfalls both in terms of drainage area and improvements by Vulcan.

Action:

- South Pond (Outfall 002): Most of the pond as identified in prior permit applications has been filled and regraded (ongoing; tentative 11/2020). The reduced detention pond has less drainage area (much of the area now goes to Outfall 001) and does not detain water as it did prior to quarry expansion.
- North Pond (Outfall 006): Vulcan's approved site plan for quarry expansion reforested 5.3 acres within the drainage area and added 1,125 cu. Ft. of Floating Treatment Wetlands to the North Pond in 2017 (See Figure below). It is intended for nutrient reduction.
- Rip Rap Replacement (Outfalls 003 and 004): As part of an O&M corrective action, the rip rap stone at these outfalls will be replaced in 09/2020 as it has become silted in.
- New retention pond (Outfall 001): During expansion of the Vulcan quarry, the drainage area for this Outfall was increased. A retention pond was installed to intercept runoff upstream of Outfall 001.



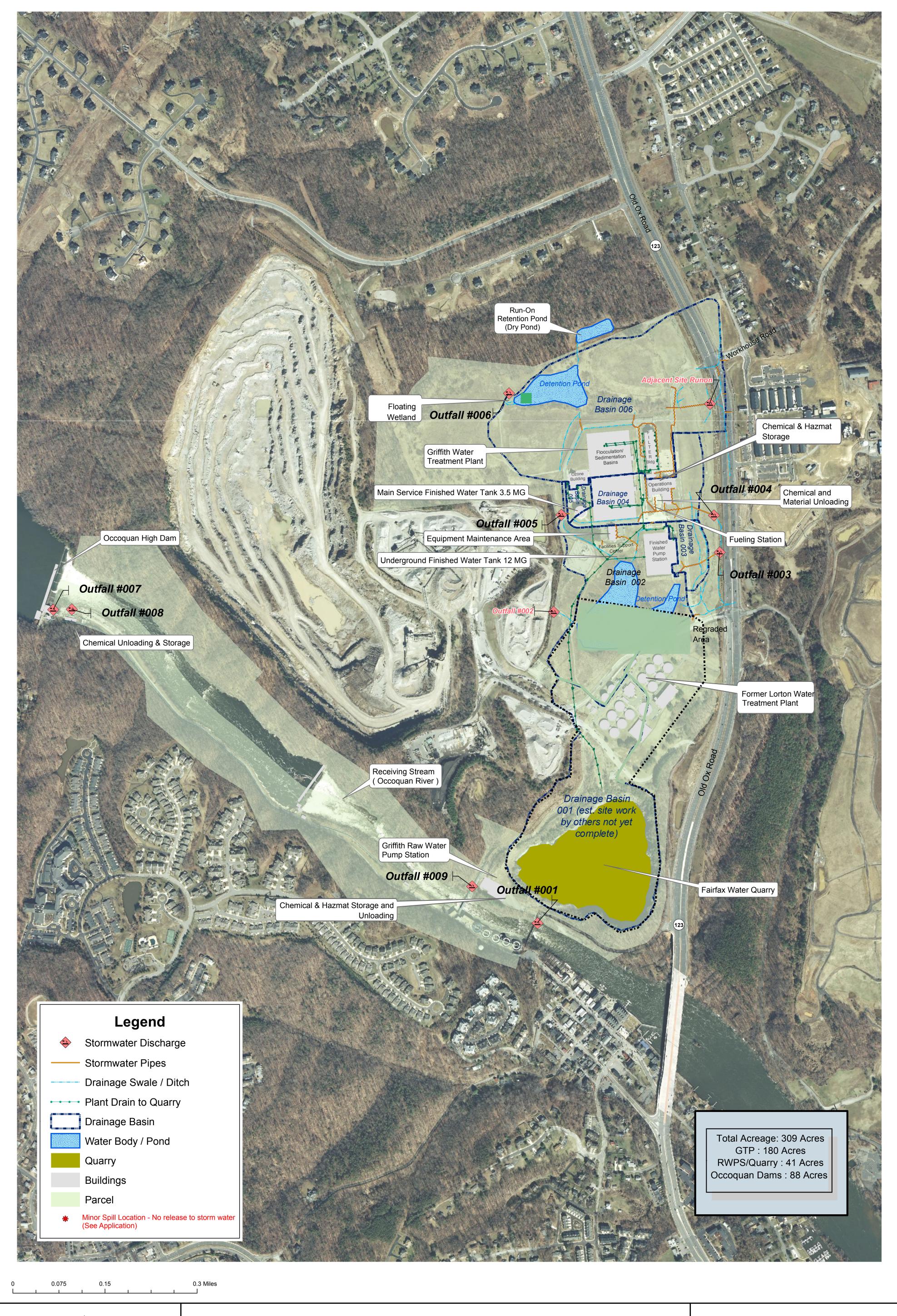




FIGURE 2F-3.1 FCWA GRIFFITH WATER PLANT SITE DRAINAGE MAP

PERMIT APPLICATION FORM 2F, SECTION 3.1 & 4

FAIRFAX WATER

Scale: 1:4,500 **Date:** 07/22/2020

USGS Quad: Occoquan & Ft. Belvoir, Va
Updated by: Rev. 3 AJW / H. Mogilevich

TABLE 2F-4.1 STORMWATER OUTFALLS Additional Information for FORM 2F, Section 4.1

EPA I.D. Number: VAR000512939 VPDES Permit Number: VA0002585

Outfall Number	Area of Impervious Surface (Acres)	Total Area Drained (Acres)	Additional Comments
001	3.7	82.0	Area of Former Lorton WTP regraded, site plan ongoing, drainage area is estimated
002	6.1	13.2	South Pond reduced and regraded; site work is ongoing; drainage area estimated
003	0.5	3.4	
004	6.5	11.2	Includes 2.1 acres of open tankage which captures rainfall and prevents stormwater discharge
005	0.5	1.2	
006	9.9	47.6	Includes 2.1 acres of open tankage which captures rainfall and prevents stormwater discharge

Table 2F-4.3: Control and Treatment Description for Stormwater Outfalls Additional Information for FORM 2C, Section 4

EPA I.D. Number: VAR000512939 VPDES Permit Number: VA0002585

Outfall Number	Treatment	List codes from Table 2F-1
001	One stormwater retention basin (0.68 Billion Gallons) provides control measures to reduce pollutants in stormwater runoff	1-U
002	One stormwater detention basin (3.5 Acres) provides control measures to reduce pollutants in stormwater runoff	1-U
003	Control measures include operator training, operator monitoring, leak detection equipment and containment basins.	
004	Control measures include operator training, operator monitoring, leak detection equipment and containment basins.	
005	Control measures include operator training, operator monitoring, leak detection equipment and containment basins.	
006	One stormwater retention basin (2.7 Acres) provides control measures to reduce pollutants in stormwater runoff, Floating Treatment Wetlands added 2017.	1-U

TABLE 2F-6.1: Reported Leaks or Spills

Spills and Leaks: Documentation of spills and leaks of toxic or hazardous pollutants that occurred at areas exposed to precipitation or that otherwise drain to a storm water conveyance at the facility within the 3 year period immediately prior to the date of submission. This list shall be updated as appropriate during the term of the permits.

				DESCRIPTION							RESPONSE	
#	Incident Date	Spill	Leak	Location	Type of Material	Quantity	Source	Reason	Amt. Recovered	Current Exposure to Storm Water?	Preventive / Corrective Action	Reported to AHJ?
1	2/12/2018		X	LOX delivery concrete pad within Outfall 005 area	Pneumatic fluid ECOSAFE fr46	2 gallons	Delivery truck hose	Blew hydraulic line, chemical delivery truck issue	All	No	3 bags of Pink pads by Plant engineer and Ops; replaced spill contain. Materials; disposed of w/hazwaste contractor	NA
2	3/7/2019		X	Loading dock, would divert to containment by ammonia tanks	Coolant	<10 gallons	Delivery truck cooling system	Busted hose, delivery truck maintenance issue	All	No	Used absorbent for free product; hosed down to containment; inspected for coolant residue and found none. Pads disposed of us ing hazwaste contractor.	NA
3	8/5/2019		X	Back asphalt road within Outfall 004 drainage area	Hydraulic fluid	<5 gallons	Forklift	Hydraulic line broke	All	No	Green Stuff powder, swept, and bagged for hazwaste contractor	NA

THIS PAGE LEFT BLANK
NOTHING AFTER THIS PAGE