Replace PDF pages 308-322 of 652 of the NPDES application package with these pages.

3800-FM-BCW0487 Rev. 1/2021 Form

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

CHEMICAL ADDITIVES NOTIFICATION FORM

Permittee Name:	Constellation Energy Generation LLC PA0009920		Facility Name: Municipality:	CCEC	
Permit No.:				Londonderry Twp	
Permit Effective Date:	Nov 1, 2007		County:	Dauphin County	
Permit Expiration Date:		vely extended	County.	Daupriin County	
Trade Name of Chemical	Additive:	NALCO 77352NA			
Manufacturer Name:		Nalco Company		_	
Intended Use(s):		Biocide			
Location(s) of Use:	•	Component coolin	g water systems		
Frequency of Use:	•	as-needed			
Method of Introduction:	•	Manual			
Treatment Following Intr	oduction:	N/A			
Discharge Point (Outfall	No.):	001			
Design Flow of Discharge (MGD):		25.3			
Receiving Water Body N	ame:	Susquehanna River			
Q ₇₋₁₀ Flow of Stream (cfs)): :	2,640 (USGS Stre PA202411071937		eamstats.usgs.gov/ss/ , Workpace ID	
Calculated WQBEL (mg/	L) :	0.0344			
Maximum Usage Rate:		17.4		Units: gallons per day	
Will Other Chemical Ad Introduced at the Same 1		⊠ YES □	NO If YES, N	lumber: <u>Varies; as-needed</u>	
system designed to assuinguiry of the person or information, the information	re that qualif persons who n submitted is ifficant penali	ied personnel gathe manage the systel s, to the best of my ties for submitting	er and evaluate the m or those persons v knowledge and be false information,	on or supervision in accordance with a information submitted. Based on my directly responsible for gathering the lief, true, accurate and complete. I am including the possibility of fine and worn falsification).	
Name/Title Principal Exec	utive Officer	Phone: <u>267-53</u>	3-5559	Signature of Principal Executive Officer or Authorized Agent	
Trevor L Orth / Plant Mana	ager	Date: January	15,2025	I Man L. () Its	

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

CHEMICAL ADDITIVES NOTIFICATION FORM

Permittee Name:	Constellation Energy Generation LLC		Facility Name:	CCEC	
Permit No.:	PA0009920		_ Municipality:	Londonderry Twp	
Permit Effective Date:	Nov 1, 200		_ County:	Dauphin County	
Permit Expiration Date:		ively extended	_	Dadpilli County	
Trade Name of Chemica	l Additive:	3D TRASAR 3E	T198		
Manufacturer Name:		Nalco Company	у		
Intended Use(s):		Corrosion Inhib	itor		
Location(s) of Use:		Component co	oling water systems		
Frequency of Use:		As-needed			
Method of Introduction:		Manual			
Treatment Following Inf	roduction:	N/A			
Discharge Point (Outfall	No.):	001			
Design Flow of Discharge (MGD):		25.3			
Receiving Water Body I	Name:	Susquehanna River			
Q ₇₋₁₀ Flow of Stream (cf	s):	2,640 (USGS S PA2024110719		reamstats.usgs.gov/ss/ , Workpace ID	
Calculated WQBEL (mg	/ L) :	6.336			
Maximum Usage Rate:		3,208		Units: gallons per day	
Will Other Chemical Ad Introduced at the Same		⊠ YES	□ NO If YES, I	Number: <u>Varies; as-needed</u>	
system designed to assur inquiry of the person or p information, the informatio	e that qualificersons who in submitted in nificant pena	ed personnel ga manage the sys s, to the best of alties for submit	ather and evaluate the stem or those person my knowledge and be ting false information	tion or supervision in accordance with a e information submitted. Based on my s directly responsible for gathering the elief, true, accurate and complete. I am n, including the possibility of fine and worn falsification).	
Name/Title Principal Exe	cutive Office	Phone: <u>26</u>	7-533-5559	Signature of Principal Executive Officer or Authorized Agent	
Trevor L Orth / Plant Mar	nager	Date: Janu	uary 15, 2025	Jun E. Will	

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

CHEMICAL ADDITIVES NOTIFICATION FORM

Permittee Name:	Constellation Generation		Ea	Facility Name:	CCEC	
Permit No.:	PA0009920			inicipality:	Londonderry Twp	
Permit Ro Permit Effective Date:	Nov 1, 200			unty:		
Permit Expiration Date:		tively extend		unty.	Dauphin County	
Trade Name of Chemica	l Additive:	NALCO H1	50M			
Manufacturer Name:		Nalco Com	pany			
Intended Use(s):		Biocide				
Location(s) of Use:		Circulating	water, Servi	ce water, Filtra	ition system	
Frequency of Use:		2 treatment	ts / yr			
Method of Introduction:		Pumped				
Treatment Following Int	roduction:	Yes - hydra	aulic residen	се		
Discharge Point (Outfall	No.):	001				
Design Flow of Discharg	ge (MGD):	25.3				
Receiving Water Body I	Name:	Susquehar				
0 - 51 6 04 4-6	- . .	2,640 (USGS StreamStats- https://streamstats.usgs.gov/ss/ , Workpace ID PA20241107193706422000)				
Q ₇₋₁₀ Flow of Stream (cfs	•			2000)		
Calculated WQBEL (mg	/L):	0.00745	Chemical neutralized			
Maximum Usage Rate:		18,861	after each		Units: gallons per day	
Will Other Chemical Ad Introduced at the Same		⊠ YES	use 🗆 N	O If YES, N	lumber: <u>Varies; as-needed</u>	
I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).						
Name/Title Principal Exe	cutive Office	^r Phone:	: <u>267-533-55</u>	559	Signature of Principal Executive Officer or Authorized Agent	
Trevor L Orth / Plant Man	nager	Date:	January 15,	2025	1 m 6 ()#	

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

CHEMICAL ADDITIVES NOTIFICATION FORM

Permittee Name:	Constellation Energy Generation LLC		Facility Name:	CCEC	
Permit No.:	PA0009920		Municipality:	Londonderry Twp	
Permit Effective Date:	Nov 1, 200		County:	Dauphin County	
Permit Expiration Date:		tively extended	,		
Trade Name of Chemica	l Additive:	NALCO 1315			
Manufacturer Name:		Nalco Company			
Intended Use(s):		Neutralizing Ager	nt		
Location(s) of Use:		Circulating Water	, Filteration system,	Service water	
Frequency of Use:		2 treatments / yr			
Method of Introduction:		pumped			
Treatment Following Int	roduction:	Yes - hydraulic residence			
Discharge Point (Outfall	No.):	001			
Design Flow of Discharg	ge (MGD):	25.3			
Receiving Water Body Name: Sus		Susquehanna Riv			
O - El 6 Ot (-6	-1.			eamstats.usgs.gov/ss/ , Workpace ID	
Q ₇₋₁₀ Flow of Stream (cf	•	PA202411071937	706422000)		
Calculated WQBEL (mg	/L):	2,329			
Maximum Usage Rate:		1,179,430		Units: gallons per day	
Will Other Chemical Additives Be Introduced at the Same Time? ☐ YES ☐ NO If YES, Number: Varies; as-needed					
I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworm falsification).					
Name/Title Principal Exe	cutive Office	Phone: <u>267-</u>	533-5559	Signature of Principal Executive Officer of Authorized Agent	
Trevor L Orth / Plant Mar	agerer	Date: Januar	y 15, 2025 <u></u>	Jam K. Utt	

1

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

CHEMICAL ADDITIVES NOTIFICATION FORM

Use this form to notify the DEP regional office that issued the NPDES permit of the new or increased use of chemical additives that were not reported in the NPDES permit application and are on DEP's Approved List (see www.dep.pa.gov/chemicaladditives). Use one form per chemical additive and discharge point.

Constellation Energy

Permittee Name:	Generation LLC		Facility Name:	CCEC	
Permit No.:	PA0009920		Municipality:	Londonderry Twp	
Permit Effective Date:	Nov 1, 2007		County:	Dauphin County	
Permit Expiration Date:	Administra	tively extended			
Trade Name of Chemica	l Additive:	3D Trasar 3DT1	20		
Manufacturer Name:		Nalco Company			
Intended Use(s):		Circulating Wate	r Treatment		
Location(s) of Use:			r, Component cooling	g water systems	
Frequency of Use:	requency of Use: Circulating Wat Component component component component (Circulating Wat		Vater- Continuous cooling water systems - As needed culating Water) nponent cooling water systems)		
Treatment Following Int	roduction.	N/A	none occurring mater by		
Discharge Point (Outfall		001			
Design Flow of Discharg	•	25.3			
Receiving Water Body I				reamstats.usgs.gov/ss/ , Workpace ID	
Q ₇₋₁₀ Flow of Stream (cfs	s):	PA20241107193			
Calculated WQBEL (mg	/L) :	103			
Maximum Usage Rate:		52,084		Units: gallons per day	
Will Other Chemical Ad Introduced at the Same		⊠ YES	☐ NO If YES, N	lumber: <u>Varies; as-needed</u>	
system designed to assuringuity of the person or pinformation, the informatio	e that qualif ersons who n submitted nificant pena	ied personnel gat manage the syst is, to the best of n alties for submitti	her and evaluate the tem or those persons ny knowledge and be ing false information	tion or supervision in accordance with a information submitted. Based on my is directly responsible for gathering the elief, true, accurate and complete. I am including the possibility of fine and worn falsification).	
Name/Title Principal Exec	cutive Office	r Phone: <u>267</u>	-533-5559	Signature of Principal Executive Officer or Authorized Agent	
Trevor L Orth / Plant Man	ager	Date: Janua	rv 15. 2025	Mm L. UK	

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

CHEMICAL ADDITIVES NOTIFICATION FORM

Permittee Name:	Constellation Generation	LLC	Facility Name:	CCEC	···-
Permit No.:	PA0009920)	Municipality:	Londor	nderry Twp
Permit Effective Date	Nov 1, 200	7	County:	Dauphi	n County
Permit Expiration Date:	Administrat	ively extended			
Trade Name of Chemica Additive:	ıl s	SULPHURIC AC	ID		
Manufacturer Name:		NorFalco LLC			
Intended Use(s):		Neutralization Ag	ent / pH Control		
Location(s) of Use:		Circulating Water PreTreatment Sy		ailers) Water - C	ontinuous
			50%)- Pre Treatmer		
Frequency of Use:	3	`			
Method of Introduction:	10	Pumped			
Treatment Following					
Introduction:	9	N/A	050/) Outfall 004	Culturia	Acid (1 - 50%) - Outfall 001
Discharge Point (Outfal	l No.):	and 701	- 95%) - Outian 001	, Sulluric	Acid (1 - 50%) - Outrali 001
Design Flow of Discharg	ge (MGD):	25.3			
Receiving Water Body N	lame:	Susquehanna Ri		eamstats.i	usgs.gov/ss/ , Workpace ID
Q ₇₋₁₀ Flow of Stream (cfs	s):	PA20241107193			
Calculated WQBEL (mg.	/L) :	0.988			
Maximum Usage Rate:		500		Units:	gallons per day
Will Other Chemical Ad Introduced at the Same		⊠ YES	☐ NO If YES, N	umber: <u>Va</u>	aries; as-needed
system designed to assur inquiry of the person or p information, the information	e that qualifi ersons who n submitted i nificant pena	ed personnel gath manage the systems, to the best of malties for submitting	ner and evaluate the em or those persons ny knowledge and be ng false information	informati directly lief, true, includin	pervision in accordance with a ion submitted. Based on my responsible for gathering the accurate and complete. I am g the possibility of fine and cation).
Name/Title Principal Exec	cutive Officer	Pnone: <u>207-</u>	1 1 -		er or Authorized Agent
Trevor L Orth / Plant Man	ager	Date: \mathcal{O}^{ζ}	3/11/25	Im	K. UM



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

CHEMICAL ADDITIVES NOTIFICATION FORM

Permittee Name:	Constellation Energy Generation LLC		Casilia Nama	0050		
			Facility Name:	CCEC		
Permit No.:	PA0009920		Municipality:	Londonderry Twp		
Permit Effective Date:	Nov 1, 2007	7	County:	Dauphin County		
Permit Expiration Date:	Administrat	ively extended				
Trade Name of Chemical	Additive:	Nalco 8158				
Manufacturer Name:	_	Nalco Company				
Intended Use(s):		Neutralizing agent				
Location(s) of Use:		Sewage treatment	plant			
Frequency of Use:		As needed				
Method of Introduction:		Manual				
Treatment Following Int	roduction:	N/A				
Discharge Point (Outfall	No.):	001				
Design Flow of Discharg	je (MGD):	25.3				
Receiving Water Body N	lame:	Susquehanna Rive				
O Flow of Stroom (of	Λ.	2,640 (USGS StreamStats- https://streamstats.usgs.gov/ss/ , Workpace ID PA20241107193706422000)				
Q ₇₋₁₀ Flow of Stream (cfs	-		0422000)			
Calculated WQBEL (mg/	'L): _	69.8				
Maximum Usage Rate:		35,383		Units: gallons per day		
Will Other Chemical Additives Be Introduced at the Same Time? YES NO If YES, Number: Varies; as-needed						
certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my nquiry of the person or persons who manage the system or those persons directly responsible for gathering the nformation, 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 mprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).						
Name/Title Principal Exec	utive Officer	Phone: <u>267-53</u>	3-5559	Signature of Principal Executive Officer or Authorized Agent		
Trevor L Orth / Plant Man	ager	Date: January	15, 2025	Imm & With		

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

CHEMICAL ADDITIVES NOTIFICATION FORM

Permittee Name:	Constellatio Generation		Facility Name:	CCEC		
Permit No.:	PA0009920		Municipality:	Londonderry Twp		
Permit Effective Date:	Nov 1, 2007		County:	Dauphin County		
Permit Expiration Date:	Administrati	vely extended	-			
Trade Name of Chemical	l Additive:	Nalclear 7744				
Manufacturer Name:		Nalco Company				
Intended Use(s):		Flocculant				
Location(s) of Use:		Industrial Waste Ti	reatment System			
Frequency of Use:		as-needed				
Method of Introduction:		Manual				
Treatment Following Inti	roduction:	N/A				
Discharge Point (Outfall	No.):	001				
Design Flow of Discharge (MGD):		25.3				
Receiving Water Body N	ame:	Susquehanna River				
Q ₇₋₁₀ Flow of Stream (cfs):		2,640 (USGS StreamStats- https://streamstats.usgs.gov/ss/ , Workpace ID PA20241107193706422000)				
Calculated WQBEL (mg/	L) :	0.48		270		
Maximum Usage Rate:		24 Units: gallons per day				
Will Other Chemical Ad Introduced at the Same		⊠ YES □] NO If YES, N	umber: <u>Varies; as-needed</u>		
I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).						
Name/Title Principal Exec	utive Officer	Phone: 267-533		Signature of Principal Executive Officer or Authorized Agent		
Trevor I Orth / Plant Man	aner	Date: February	11 2025	1sm h. WV		



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

CHEMICAL ADDITIVES NOTIFICATION FORM

Permittee Name:	Constellation Generation		Facility Name:	CCEC	
Permit No.:	PA0009920		Municipality:	Londonderry Twp	
Permit Effective Date:	Nov 1, 2007		County:	Dauphin County	
Permit Expiration Date:	· · · · · · · · · · · · · · · · · · ·	vely extended		- Baapiiii Goanty	
			_		
Trade Name of Chemical	Additive:	Sodium hypoch	nlorite		
Manufacturer Name:	_	Kuehne Chemi	cal Company, Inc.		
Intended Use(s):	_	Biocide			
Location(s) of Use:	-	PreTreatment s	systems (001 / 701)	r (001 / 006) and Filteration/	
Frequency of Use:		001/701 - As ne		21113 application/day and	
Method of Introduction:	- -	Pumped			
Treatment Following Intr	oduction:	N/A			
Discharge Point (Outfall		001, 001 / 006	and 001 / 701		
Design Flow of Discharge (MGD):		25.3			
Receiving Water Body Name:		Susquehanna River			
O 51 (O) (()				amstats.usgs.gov/ss/ , Workpace ID	
Q ₇₋₁₀ Flow of Stream (cfs)	-	PA2024110719			
Calculated WQBEL (mg/L	-) :	discharge	residual because is monitored during		
Maximum Usage Rate:	8		s, and also dechlorinated	Units: gallons per day	
Will Other Chemical Ad Introduced at the Same T			☐ NO If YES, No	umber: <u>Varies; as-needed</u>	
I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification). Name/Title Principal Executive Officer Phone: 267-533-5559 Signature of Principal Executive Officer or Authorized Agent					
Trevor L Orth / Plant Mana	ger	Date:	1 1	Trans L. Oak	

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

CHEMICAL ADDITIVES NOTIFICATION FORM

Downitton Name:	Constellation		Casilias Names	2052		
Permittee Name:	Generation		Facility Name:	CCEC		
Permit No.	PA0009920		Municipality:	Londonderry Twp		
Permit Effective Date:	Nov 1, 200	7	County:	Dauphin County		
Permit Expiration Date:	Administrat	ively extended				
Trade Name of Chemical	Additive:	Sodium Bisulfite				
Manufacturer Name:		Univar		100000000000000000000000000000000000000		
Intended Use(s):			it/ Detox agent – var	ious RO / UF		
Location(s) of Use:		1674 575	- water treatment			
Frequency of Use:		As needed	1000000	9-3 8-9-0 1 3-5		
Method of Introduction:		Metered		235		
Treatment Following Intr	oduction:	N/A				
Discharge Point (Outfall	No.):	001				
Design Flow of Discharg	e (MGD):	25.3				
Receiving Water Body N	ame:	Susquehanna River				
O	١.			eamstats.usgs.gov/ss/ , Workpace ID		
Q ₇₋₁₀ Flow of Stream (cfs	•	PA202411071937	706422000)	5. The state of th		
Calculated WQBEL (mg/l	L):	41.8		ANTI AND SNOW A SIGNS		
Maximum Usage Rate:		21,154		Units: _gallons per day		
Will Other Chemical Additives Be Introduced at the Same Time? YES NO If YES, Number: Varies; as-needed						
I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).						
Name/Title Principal Execu	utive Officer	Phone: 267-53		Signature of Principal Executive Officer or Authorized Agent		
Trevor L Orth / Plant Mana	ager	Date: August 1	1. 2025	nn / Litt		

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

CHEMICAL ADDITIVES NOTIFICATION FORM

Permittee Name:	Constellation Energy Generation LLC PA0009920		Facility Name:	CCEC	
Permit No.:			Municipality:	Londonderry Twp	
Permit Effective Date:	Nov 1, 2007	,	County:	Dauphin County	
Permit Expiration Date:	Administrati	vely extended	·		
Trade Name of Chemical	Additive:	Sodium Hydroxid	е		
Manufacturer Name:		Univar			
Intended Use(s):		pH Control - vario	ous		
Location(s) of Use:		Pre-treatment			
Frequency of Use:		As-needed			
Method of Introduction:	•	Pumped			
Treatment Following Intr	oduction:	N/A			
Discharge Point (Outfall	No.):	001			
Design Flow of Discharge (MGD):		25.3			
Receiving Water Body Na	ame:	Susquehanna River			
Q ₇₋₁₀ Flow of Stream (cfs):		2,640 (USGS StreamStats- https://streamstats.usgs.gov/ss/ , Workpace ID PA20241107193706422000)			
Calculated WQBEL (mg/l	_) :	3.39		Haite, wallana wan dan	
Maximum Usage Rate:		1,717		Units: gallons per day	
Will Other Chemical Ad Introduced at the Same T		⊠ YES [☐ NO If YES, N	umber: <u>Varies; as-needed</u>	
system designed to assur inquiry of the person or p information, the informatio	e that qualificersons who n submitted is nificant pena	ed personnel gath manage the syste s, to the best of m Ities for submittin	er and evaluate the m or those persons y knowledge and bel g false information,	on or supervision in accordance with a information submitted. Based on my directly responsible for gathering the ief, true, accurate and complete. I am including the possibility of fine and orn falsification).	
Name/Title Principal Execu	utive Officer	Phone: 734-93		Signature of Principal Executive Officer or Authorized Agent	
Clint R Six / Vice President		Date: 18 Aug 2	025		

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

CHEMICAL ADDITIVES NOTIFICATION FORM

Permittee Name:	Generation		Facility Name:	CCEC		
Permit No.:	PA0009920	- 70	Municipality:	Londonderry Twp		
Permit Effective Date:	Nov 1, 2007		County:	Dauphin County		
Permit Expiration Date:	Administrati	vely extended	•			
Trade Name of Chemical	Additive:	Citric Acid				
Manufacturer Name:		Univar				
Intended Use(s):		Neutralizing Ager	nt/ De - Scale variou	s RO / UF		
Location(s) of Use:			- water treatment	11.		
Frequency of Use:		As Needed		<u> </u>		
Method of Introduction:		metered				
Treatment Following Intr	oduction:	N/A				
Discharge Point (Outfall	No.):	001				
Design Flow of Discharg	e (MGD)	25.3				
Receiving Water Body N	ame:	Susquehanna River				
				eamstats.usgs.gov/ss/ , Workpace ID		
Q ₇₋₁₀ Flow of Stream (cfs	•	PA20241107193706422000)				
Calculated WQBEL (mg/l	L):	17.2				
Maximum Usage Rate:		8,718		Units: _gallons per day		
Will Other Chemical Ad Introduced at the Same		⊠ YES [☐ NO If YES, N	umber: <u>Varies; as-needed</u>		
I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).						
Name/Title Principal Exec	utive Officer	Phone: 267-53		Signature of Principal Executive Officer of Authorized Agent		
Trevor L Orth / Plant Mana	ager	Date: Aug 11,	2025	un K. DUT		

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

CHEMICAL ADDITIVES NOTIFICATION FORM

Permittee Name:	Constellation Generation		Facility Name: Municipality: County:	CCEC				
Permit No.:	PA0009920)		Londonderry Twp				
Permit Effective Date:	Nov 1, 2007	7		Dauphin County				
Permit Expiration Date:	Administrat	ively extended						
Trade Name of Chemical	Additive:	Hypersperse MDC71	4					
Manufacturer Name:		Veolia						
Intended Use(s):		Antiscalant for RO me	embranes					
Location(s) of Use:		Reverse Osmosis Unit						
Frequency of Use:		For 24 hours at a time for 1-2 days per month						
Method of Introduction:		Pumped						
Treatment Following Introduction:		N/A						
Discharge Point (Outfall	No.):	001						
Design Flow of Discharge (MGD):		25.3						
Receiving Water Body Name:		Susquehanna River						
O Flore of Otto and (afa)				eamstats.usgs.gov/ss/ , Workpace ID				
Q ₇₋₁₀ Flow of Stream (cfs)		PA2024110719370	06422000)					
Calculated WQBEL (mg/L):		3,645		Hatta william and have				
Maximum Usage Rate:		125,757		Units: gallons per day				
Will Other Chemical Ad Introduced at the Same 1		⊠ YES □] NO If YES, N	umber: <u>Varies; as-needed</u>				
system designed to assurinquiry of the person or pinformation, the informatio	e that qualifi ersons who n submitted i nificant pena	ed personnel gathe manage the systen s, to the best of my alties for submitting	r and evaluate the n or those persons knowledge and bel false information,	on or supervision in accordance with a information submitted. Based on my directly responsible for gathering the ief, true, accurate and complete. I am including the possibility of fine and orn falsification).				
Name/Title Principal Execu	utive Officer	Phone: <u>734-934</u>		Signature of Principal Executive Officer or Authorized Agent				
Clint R. Six / Vice President		Date: 18 Aug 20	25					

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

CHEMICAL ADDITIVES NOTIFICATION FORM

Permittee Name:	Constellation Generation	ergy	Facility Name:	CCEC				
Permit No.:	PA0009920				Municipality:	Londonderry Twp		
Permit Effective Date:	Nov 1, 2007				Coun		Dauphin County	
Permit Expiration Date:	Administratively extended			_	•			
Trade Name of Chemical	Additive:	Klarai	d IC1172					
Manufacturer Name:		Veolia	l					
Intended Use(s):		Reverse Osmosis, deionized water, ultrafiltration treatment systems						
Location(s) of Use:		Reverse Osmosis, deionized water, ultrafiltration						
Frequency of Use: Method of Introduction: Treatment Following Introduction:		as-needed						
		Manual						
		N/A						
Discharge Point (Outfall		001						
Design Flow of Discharge (MGD):		25.3						
Receiving Water Body Name:		Susquehanna River						
Q ₇₋₁₀ Flow of Stream (cfs):		2,640 (USGS StreamStats- https://streamstats.usgs.gov/ss/ , Workpace ID PA20241107193706422000)						
Calculated WQBEL (mg/l	_) :	34.7						
Maximum Usage Rate:		17,570				Units: gallons per day		
Will Other Chemical Ad Introduced at the Same 1		\boxtimes	YES		NO	If YES, N	lumber: <u>Varies; as-needed</u>	
system designed to assur inquiry of the person or p information, the informatio	e that qualif persons who n submitted nificant pena	ed pe mana is, to tl alties	rsonnel garge the sy he best of for submi	ather a stem of my ki tting f	and evor those nowled false if	valuate the se persons dge and be nformation	tion or supervision in accordance with a e information submitted. Based on my s directly responsible for gathering the elief, true, accurate and complete. I am , including the possibility of fine and worn falsification).	
Name/Title Principal Execu	utive Officer	er Phone: <u>734-93</u>			279		Signature of Principal Executive Officer or Authorized Agent	
Clint R Six / Vice President		Da	18 Aı	ıa 2025	5			