



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.

Permittee Name:	Constellation Energy Generation LLC	Facility Name:	CCEC
Permit No.:	PA0009920	Municipality:	Londonderry Twp
Permit Effective Date:	Nov 1, 2007	County:	Dauphin County
Permit Expiration Date:	Administratively extended		

Trade Name of Chemical Additive:	NALCO 77352NA
Manufacturer Name:	Nalco Company
Intended Use(s):	Biocide
Location(s) of Use:	Component cooling water systems
Frequency of Use:	as-needed
Method of Introduction:	Manual
Treatment Following Introduction:	N/A
Discharge Point (Outfall No.):	001
Design Flow of Discharge (MGD):	25.3
Receiving Water Body Name:	Susquehanna River
Q₇₋₁₀ Flow of Stream (cfs):	2,640 (USGS StreamStats- https://streamstats.usgs.gov/ss/ , Workspace ID PA20241107193706422000)
Calculated WQBEL (mg/L):	0.0344
Maximum Usage Rate:	17.4
	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 Executive Officer

Phone: 267-533-5559

Signature of Principal Executive
Officer or Authorized Agent

Trevor L Orth / Plant Manager

Date: January 15, 2025

Trevor L. Orth



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

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.

Permittee Name:	Constellation Energy Generation LLC	Facility Name:	CCEC
Permit No.:	PA0009920	Municipality:	Londonderry Twp
Permit Effective Date:	Nov 1, 2007	County:	Dauphin County
Permit Expiration Date:	Administratively extended		

Trade Name of Chemical Additive:	3D TRASAR 3DT198		
Manufacturer Name:	Nalco Company		
Intended Use(s):	Corrosion Inhibitor		
Location(s) of Use:	Component cooling water systems		
Frequency of Use:	As-needed		
Method of Introduction:	Manual		
Treatment Following Introduction:	N/A		
Discharge Point (Outfall No.):	001		
Design Flow of Discharge (MGD):	25.3		
Receiving Water Body Name:	Susquehanna River		
Q₇₋₁₀ Flow of Stream (cfs):	2,640 (USGS StreamStats- https://streamstats.usgs.gov/ss/ , Workspace ID PA20241107193706422000)		
Calculated WQBEL (mg/L):	6.336		
Maximum Usage Rate:	3,208	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 Executive Officer

Phone: 267-533-5559

**Signature of Principal Executive
Officer or Authorized Agent**

Trevor L Orth / Plant Manager

Date: January 15, 2025



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

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.

Permittee Name: Constellation Energy Generation LLC
Permit No.: PA0009920
Permit Effective Date: Nov 1, 2007
Permit Expiration Date: Administratively extended
Facility Name: CCEC
Municipality: Londonderry Twp
County: Dauphin County

Trade Name of Chemical Additive: NALCO H150M
Manufacturer Name: Nalco Company
Intended Use(s): Biocide
Location(s) of Use: Circulating water, Service water, Filtration system
Frequency of Use: 2 treatments / yr
Method of Introduction: Pumped
Treatment Following Introduction: Yes - hydraulic residence
Discharge Point (Outfall No.): 001
Design Flow of Discharge (MGD): 25.3
Receiving Water Body Name: Susquehanna River
Q₇₋₁₀ Flow of Stream (cfs): 2,640 (USGS StreamStats- <https://streamstats.usgs.gov/ss/> , Workspace ID PA20241107193706422000)
Calculated WQBEL (mg/L): 0.00745
Maximum Usage Rate: 18,861

Chemical
neutralized
after each
use

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 Executive Officer

Phone: 267-533-5559

Signature of Principal Executive
Officer or Authorized Agent

Trevor L Orth / Plant Manager

Date: January 15, 2025

pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTIONCOMMONWEALTH 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.

Permittee Name: Constellation Energy Generation LLC Facility Name: CCEC
Permit No.: PA0009920 Municipality: Londonderry Twp
Permit Effective Date: Nov 1, 2007 County: Dauphin County
Permit Expiration Date: Administratively extended

Trade Name of Chemical Additive: NALCO 1315
Manufacturer Name: Nalco Company
Intended Use(s): Neutralizing Agent
Location(s) of Use: Circulating Water, Filtration system, Service water
Frequency of Use: 2 treatments / yr
Method of Introduction: pumped
Treatment Following Introduction: Yes - hydraulic residence
Discharge Point (Outfall No.): 001
Design Flow of Discharge (MGD): 25.3
Receiving Water Body Name: Susquehanna River
2,640 (USGS StreamStats- <https://streamstats.usgs.gov/ss/> , Workpace ID PA20241107193706422000)
Q₇₋₁₀ Flow of Stream (cfs):
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 unsworn falsification).

Name/Title Principal Executive Officer Phone: 267-533-5559
Trevor L Orth / Plant Managerer Date: January 15, 2025

Signature of Principal Executive
Officer or Authorized Agent

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.

Permittee Name: Constellation Energy
Generation LLC
Facility Name: CCEC
Permit No.: PA0009920
Municipality: Londonderry Twp
Permit Effective Date: Nov 1, 2007
County: Dauphin County
Permit Expiration Date: Administratively extended

Trade Name of Chemical Additive: 3D Trasar 3D T120
Manufacturer Name: Nalco Company
Intended Use(s): Circulating Water Treatment
Location(s) of Use: Circulating Water, Component cooling water systems
Frequency of Use: Circulating Water- Continuous
Component cooling water systems - As needed
Method of Introduction: Pumped (Circulating Water)
Manual (Component cooling water systems)
Treatment Following Introduction: N/A
Discharge Point (Outfall No.): 001
Design Flow of Discharge (MGD): 25.3
Receiving Water Body Name: Susquehanna River
Q7-10 Flow of Stream (cfs): 2,640 (USGS StreamStats- <https://streamstats.usgs.gov/ss/> , Workspace ID PA20241107193706422000)
Calculated WQBEL (mg/L): 103
Maximum Usage Rate: 52,084 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 Executive Officer
Trevor L Orth / Plant Manager
Phone: 267-533-5559
Date: January 15, 2025

Signature of Principal Executive
Officer or Authorized Agent

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.

Permittee Name: Constellation Energy
Generation LLC
Permit No.: PA0009920
Permit Effective Date: Nov 1, 2007
Permit Expiration Date: Administratively extended
Facility Name: CCEC
Municipality: Londonderry Twp
County: Dauphin County

Trade Name of Chemical Additive: SULPHURIC ACID
Manufacturer Name: NorFalco LLC
Intended Use(s): Neutralization Agent / pH Control
Circulating Water
Location(s) of Use: PreTreatment System (RO / UF / DI trailers)
Sulfuric Acid (93 - 95%) - Circulating Water - Continuous
Sulfuric Acid (1 - 50%)- Pre Treatment System - Continuous
Frequency of Use:
Method of Introduction: Pumped
Treatment Following Introduction: N/A
Sulfuric Acid (93 - 95%) - Outfall 001 , Sulfuric Acid (1 - 50%) - Outfall 001 and 701
Discharge Point (Outfall No.):
Design Flow of Discharge (MGD): 25.3
Receiving Water Body Name: Susquehanna River
2,640 (USGS StreamStats- <https://streamstats.usgs.gov/ss/> , Workspace ID PA20241107193706422000)
Q₇₋₁₀ Flow of Stream (cfs):
Calculated WQBEL (mg/L): 0.988
Maximum Usage Rate: 500 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 Executive Officer

Phone: 267-533-5559

Signature of Principal Executive
Officer or Authorized Agent

Trevor L Orth / Plant Manager

Date:

03/11/25

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.

Permittee Name:	Constellation Energy Generation LLC	Facility Name:	CCEC
Permit No.:	PA0009920	Municipality:	Londonderry Twp
Permit Effective Date:	Nov 1, 2007	County:	Dauphin County
Permit Expiration Date:	Administratively 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 Introduction:	N/A
Discharge Point (Outfall No.):	001
Design Flow of Discharge (MGD):	25.3
Receiving Water Body Name:	Susquehanna River
Q7-10 Flow of Stream (cfs):	2,640 (USGS StreamStats- https://streamstats.usgs.gov/ss/ , Workspace ID PA20241107193706422000)
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

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: 267-533-5559Signature of Principal Executive
Officer or Authorized AgentTrevor L Orth / Plant ManagerDate: January 15, 2025



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.

Permittee Name: Constellation Energy Generation LLC Facility Name: CCEC
 Permit No.: PA0009920 Municipality: Londonderry Twp
 Permit Effective Date: Nov 1, 2007 County: Dauphin County
 Permit Expiration Date: Administratively extended

Trade Name of Chemical Additive: Nalclear 7744
 Manufacturer Name: Nalco Company
 Intended Use(s): Flocculant
 Location(s) of Use: Industrial Waste Treatment System
 Frequency of Use: as-needed
 Method of Introduction: Manual
 Treatment Following Introduction: N/A
 Discharge Point (Outfall No.): 001
 Design Flow of Discharge (MGD): 25.3
 Receiving Water Body Name: Susquehanna River
 Q₇₋₁₀ Flow of Stream (cfs): 2,640 (USGS StreamStats- <https://streamstats.usgs.gov/ss/> , Workspace ID PA20241107193706422000)
 Calculated WQBEL (mg/L): 0.48
 Maximum Usage Rate: 24 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 Executive Officer Phone: 267-533-5559
 Trevor L Orth / Plant Manager Date: February 11, 2025

Signature of Principal Executive
 Officer or Authorized Agent

Trevor L Orth

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.

Permittee Name: Constellation Energy Generation LLC
Facility Name: CCEC
Permit No.: PA0009920
Municipality: Londonderry Twp
Permit Effective Date: Nov 1, 2007
County: Dauphin County
Permit Expiration Date: Administratively extended

Trade Name of Chemical Additive: Sodium hypochlorite
Manufacturer Name: Kuehne Chemical Company, Inc.
Intended Use(s): Biocide
Location(s) of Use: Circulating Water (001), Service Water (001 / 006) and Filtration/PreTreatment systems (001 / 701)
Frequency of Use: Outfall 001- 2hrs application/day, 001 / 006- 2hrs application/day and 001/701 - As needed
Method of Introduction: Pumped
Treatment Following Introduction: N/A
Discharge Point (Outfall No.): 001, 001 / 006 and 001 / 701
Design Flow of Discharge (MGD): 25.3
Receiving Water Body Name: Susquehanna River
Q₇₋₁₀ Flow of Stream (cfs): 2,640 (USGS StreamStats- <https://streamstats.usgs.gov/ss/> , Workspace ID PA20241107193706422000)
Calculated WQBEL (mg/L): 0.37
Maximum Usage Rate: 944
Units: gallons per day
Negligible residual because discharge is monitored during treatments, and also dechlorinated

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 Executive Officer

Phone: 267-533-5559

Signature of Principal Executive
Officer or Authorized Agent

Trevor L Orth / Plant Manager

Date: 03/11/25



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.

Permittee Name:	<u>Constellation Energy Generation LLC</u>	Facility Name:	<u>CCEC</u>
Permit No.:	<u>PA0009920</u>	Municipality:	<u>Londonderry Twp</u>
Permit Effective Date:	<u>Nov 1, 2007</u>	County:	<u>Dauphin County</u>
Permit Expiration Date:	<u>Administratively extended</u>		

Trade Name of Chemical Additive:	<u>Sodium Bisulfite</u>		
Manufacturer Name:	<u>Univar</u>		
Intended Use(s):	<u>Neutralizing Agent/ Detox agent – various RO / UF</u>		
Location(s) of Use:	<u>Reverse Osmosis - water treatment</u>		
Frequency of Use:	<u>As needed</u>		
Method of Introduction:	<u>Metered</u>		
Treatment Following Introduction:	<u>N/A</u>		
Discharge Point (Outfall No.):	<u>001</u>		
Design Flow of Discharge (MGD):	<u>25.3</u>		
Receiving Water Body Name:	<u>Susquehanna River</u>		
Q₇₋₁₀ Flow of Stream (cfs):	<u>2,640 (USGS StreamStats- https://streamstats.usgs.gov/ss/ , Workspace ID PA20241107193706422000)</u>		
Calculated WQBEL (mg/L):	<u>41.8</u>		
Maximum Usage Rate:	<u>21,154</u>	Units:	<u>gallons per day</u>

**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 Executive Officer

Phone: 267-533-5559

Trevor L Orth / Plant Manager

Date: August 11, 2025

**Signature of Principal Executive
Officer or Authorized Agent**

Trevor L Orth

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.

Permittee Name: Constellation Energy
Generation LLC
Facility Name: CCEC
Permit No.: PA0009920
Municipality: Londonderry Twp
Permit Effective Date: Nov 1, 2007
County: Dauphin County
Permit Expiration Date: Administratively extended

Trade Name of Chemical Additive: Sodium Hydroxide
Manufacturer Name: Univar
Intended Use(s): pH Control - various
Location(s) of Use: Pre-treatment
Frequency of Use: As-needed
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
Q₇₋₁₀ Flow of Stream (cfs): 2,640 (USGS StreamStats- <https://streamstats.usgs.gov/ss/> , Workspace ID PA20241107193706422000)
Calculated WQBEL (mg/L): 3.39
Maximum Usage Rate: 1,717 **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 Executive Officer **Phone:** 734-934-7279

**Signature of Principal Executive
Officer or Authorized Agent**

Clint R. Six / Vice President **Date:** 18 Aug 2025



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.

Permittee Name:	Constellation Energy Generation LLC	Facility Name:	CCEC
Permit No.:	PA0009920	Municipality:	Londonderry Twp
Permit Effective Date:	Nov 1, 2007	County:	Dauphin County
Permit Expiration Date:	Administratively extended		

Trade Name of Chemical Additive:	Citric Acid
Manufacturer Name:	Univar
Intended Use(s):	Neutralizing Agent/ De - Scale various RO / UF
Location(s) of Use:	Reverse osmosis - water treatment
Frequency of Use:	As Needed
Method of Introduction:	metered
Treatment Following Introduction:	N/A
Discharge Point (Outfall No.):	001
Design Flow of Discharge (MGD):	25.3
Receiving Water Body Name:	Susquehanna River
Q₇₋₁₀ Flow of Stream (cfs):	2,640 (USGS StreamStats- https://streamstats.usgs.gov/ss/ , Workspace ID PA20241107193706422000)
Calculated WQBEL (mg/L):	17.2
Maximum Usage Rate:	8,718 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 Executive Officer

Phone: 267-533-5559

Trevor L Orth / Plant Manager

Date: Aug 11, 2025

**Signature of Principal Executive
Officer or Authorized Agent**

Trevor L. Orth

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.

Permittee Name: Constellation Energy
Generation LLC
Facility Name: CCEC
Permit No.: PA0009920
Municipality: Londonderry Twp
Permit Effective Date: Nov 1, 2007
County: Dauphin County
Permit Expiration Date: Administratively extended

Trade Name of Chemical Additive: Hypersperse MDC714
Manufacturer Name: Veolia
Intended Use(s): Antiscalant for RO membranes
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
Q₇₋₁₀ Flow of Stream (cfs): 2,640 (USGS StreamStats- <https://streamstats.usgs.gov/ss/> , Workpace ID PA20241107193706422000)
Calculated WQBEL (mg/L): 3,645
Maximum Usage Rate: 125,757 **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 Executive Officer **Phone:** 734-934-7279

Clint R. Six / Vice President **Date:** 18 Aug 2025

**Signature of Principal Executive
Officer or Authorized Agent**

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.

Permittee Name:	<u>Constellation Energy Generation LLC</u>	Facility Name:	<u>CCEC</u>
Permit No.:	<u>PA0009920</u>	Municipality:	<u>Londonderry Twp</u>
Permit Effective Date:	<u>Nov 1, 2007</u>	County:	<u>Dauphin County</u>
Permit Expiration Date:	<u>Administratively extended</u>		

Trade Name of Chemical Additive:	<u>Klaraid IC1172</u>
Manufacturer Name:	<u>Veolia</u>
Intended Use(s):	<u>Reverse Osmosis, deionized water, ultrafiltration treatment systems</u>
Location(s) of Use:	<u>Reverse Osmosis, deionized water, ultrafiltration</u>
Frequency of Use:	<u>as-needed</u>
Method of Introduction:	<u>Manual</u>
Treatment Following Introduction:	<u>N/A</u>
Discharge Point (Outfall No.):	<u>001</u>
Design Flow of Discharge (MGD):	<u>25.3</u>
Receiving Water Body Name:	<u>Susquehanna River</u>
Q₇₋₁₀ Flow of Stream (cfs):	<u>2,640 (USGS StreamStats- https://streamstats.usgs.gov/ss/ , Workpace ID PA20241107193706422000)</u>
Calculated WQBEL (mg/L):	<u>34.7</u>
Maximum Usage Rate:	<u>17,570</u> Units: <u>gallons per day</u>

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 Executive Officer

Phone: 734-934-7279Signature of Principal Executive
Officer or Authorized AgentClint R. Six / Vice PresidentDate: 18 Aug 2025