

April 24, 2025

Maria D. Bebenek, P.E.
Program Manager
Pennsylvania Department of Environmental Protection – Clean Water Program
South Central Regional Office
909 Elmerton Avenue
Harrisburg, PA 17110

Re: TMI-1 (PA0009920) Revised Analysis Results Tables

Dear Ms. Bebenek:

Constellation Energy Generation, LLC (Constellation) Three Mile Island Nuclear Station, Unit 1 (TMI-1) is submitting herewith revised Analysis Results Tables for the Intake and Outfalls 001, 101, 501, and 701. The footer indicates which pages these replace.

On 26 March 2025 PADEP informed us that writing “ND” for non-detect was not acceptable, and that non-detectable results should be presented with respect to the applicable limit. e.g., “<5”. The attached tables have been revised accordingly. PADEP forms ask for Method Detection Limits (MDL). The lab provides the Reportable Detection Limit (RDL). Instead of converting RDLs to MDLs, which could result in errors and make comparisons to the lab reports more tedious, we have presented the detection limits in RDLs and inserted an asterisk to draw attention. We are not resubmitting the Laboratory Analytical Reports; those are in the Resubmittal Package starting on page 87 of 647.

Please do not hesitate to reach out to me by email at Alyssa.Hockaday@constellation.com or telephone at (267) 533-5679, or Debra Musser at Debra.Musser@constellation.com or (267) 533-7308 with any questions.

Sincerely yours,



Alyssa Hockaday
Environmental Specialist
Constellation Energy Generation, LLC

Enclosures:

Intake – Analysis Results Table Pollutant Groups 1-5
Outfall 001 – Analysis Results Table Pollutant Groups 1-5
Outfall 101 – Analysis Results Table Pollutant Group 1

Outfall 501 – Analysis Results Table Pollutant Group 1
Outfall 701 – Analysis Results Table Pollutant Group 1

CC:
Debra Musser, Debra.Musser@constellation.com

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 1 (PAGE 1 OF 2)

Please read instructions carefully before completing this form.

APPLICANT NAME	Constellation Energy Generation, LLC									
☐ Outfall / IMP Number _____ (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☒ Intake Sampling Results (Specify Source: <u>Susquehanna River</u>) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)										
POLLUTANT GROUP 1 PARAMETERS	CONCENTRATION / MASS PRESENT									
	Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses	No. "Non- Detect" Results	RDL * /MDL Q Used	Method Used
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
BOD ₅ (mg/L)	<2	-	-	-	-	-	1	1	2*	SM20-5210 B
COD (mg/L)	<15	-	-	-	-	-	1	1	15*	EPA 410.4
TOC (mg/L)	1.3	1130	-	-	-	-	1	-	1*	SM20-5310B
TSS (mg/L)	<5	-	-	-	-	-	1	1	5*	SM20-2540 D
Ammonia-Nitrogen (mg/L)	<0.1	-	-	-	-	-	1	1	0.1*	D6919-03
Temperature (Winter) (°F)	78.8	XXX	-	XXX	-	XXX	1	XXX	XXX	
Temperature (Summer) (°F)	N/A Value	XXX	N/A Value	XXX	N/A Value	XXX	1	XXX	XXX	
pH – Minimum (S.U.)	N/A Value	XXX	XXX	XXX	-	XXX	1	XXX	XXX	
pH – Maximum (S.U.)	8.06	XXX	XXX	XXX	-	XXX	1	XXX	XXX	
Fecal Coliform (No./100 mL)	1200	XXX	-	XXX	-	XXX	1	-	100*	SM20-9222 D
Oil and Grease (mg/L)	<2.2	-	-	-	-	-	1	1	2.2*	EPA 1664A
TRC (mg/L)	<0.1	XXX	-	XXX	-	XXX	1	1	0.1*	SM20-4500-CI G
Total Phosphorus (mg/L)	<0.1	-	-	-	-	-	1	1	0.10*	EPA 365.1
TKN (mg/L)	<1	-	-	-	-	-	1	1	1.0*	SM20-4500-NC
Nitrite + Nitrate-Nitrogen (mg/L)	1.2	1043	-	-	-	-	1	-	0.2*	EPA 300
Total Dissolved Solids (mg/L)	210	182496	-	-	-	-	1	-	5*	SM20-2540 C
Color (Pt-Co Units)	15	XXX	-	XXX	-	XXX	1	-	5	SM20-2120 B
Bromide (mg/L)	<0.6	-	-	-	-	-	1	1	0.6*	EPA 300
Chloride (mg/L)										
Sulfate (mg/L)	38	33023	-	-	-	-	1	-	2*	EPA 300
Sulfide (mg/L)	<1	-	-	-	-	-	1	1	1*	SM20-4500S2F
Surfactants (mg/L)	<0.025	-	-	-	-	-	1	1	0.025*	SM20-5540 C
Fluoride (mg/L)	<0.2	-	-	-	-	-	1	1	0.2*	EPA 300
Total Hardness (mg/L)	91	79082	-	-	-	-	1	-	5*	SM20-2340 C

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 1 (PAGE 2 OF 2)

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APPLICANT NAME	Constellation Energy Generation, LLC										
	☐ Outfall / IMP Number _____ (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☒ Intake Sampling Results (Specify Source: <u>Susquehanna River</u>) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)										
	POLLUTANT GROUP 1 PARAMETERS	CONCENTRATION / MASS PRESENT						No. Analyses	No. "Non-Detect" Results	QL Used	Method Used
Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value							
		Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
Perfluorooctanoic acid (PFOA) (ng/L)											
Perfluorooctanesulfonic acid (PFOS) (ng/L)											
Perfluorobutanesulfonic acid (PFBS) (ng/L)											
Hexafluoropropylene oxide dimer acid (HFPO-DA) (ng/L)											

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 2

Please read instructions carefully before completing this form.

APPLICANT NAME	Constellation Energy Generation, LLC											
	☐ Outfall / IMP Number _____ (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☒ Intake Sampling Results (Specify Source: <u>Susquehanna River</u>) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)											
	POLLUTANT GROUP 2 PARAMETERS	CONCENTRATION / MASS PRESENT								No. "Non-Detect" Results	RDL*/MDL QL Used	Method Used
		Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses				
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc		Mass (lbs/day)			
Aluminum, Total (µg/L)	56	49	-	-	-	-	-	-	1	-	50*	EPA 200.7
Antimony, Total (µg/L)	<10	-	-	-	-	-	-	-	1	1	10*	EPA 200.7
Arsenic, Total (µg/L)	<5	-	-	-	-	-	-	-	1	1	5*	EPA 200.7
Barium, Total (µg/L)	27	23	-	-	-	-	-	-	1	-	5*	EPA 200.7
Beryllium, Total (µg/L)	<2	-	-	-	-	-	-	-	1	1	2*	EPA 200.7
Boron, Total (µg/L)	<50	-	-	-	-	-	-	-	1	1	50*	EPA 200.7
Cadmium, Total (µg/L)	<1	-	-	-	-	-	-	-	1	1	1*	EPA 200.7
Chromium, Total (µg/L)	<2.5	-	-	-	-	-	-	-	1	1	2.5*	EPA 200.7
Chromium, Hexavalent (µg/L)	<10	-	-	-	-	-	-	-	1	1	10*	SM20-3500-Cr D
Cobalt, Total (µg/L)	<2.5	-	-	-	-	-	-	-	1	1	2.5*	EPA 200.7
Copper, Total (µg/L)	7.5	6.5	-	-	-	-	-	-	1	-	5*	EPA 200.7
Cyanide, Total (µg/L)	<5	-	-	-	-	-	-	-	1	1	5*	SM20-4500CNI
Iron, Total (µg/L)	280	243	-	-	-	-	-	-	1	-	30*	EPA 200.7
Iron, Dissolved (µg/L)	<60	-	-	-	-	-	-	-	1	1	60*	EPA 200.7
Lead, Total (µg/L)	<3	-	-	-	-	-	-	-	1	1	3*	EPA 200.7
Manganese, Total (µg/L)	110	96	-	-	-	-	-	-	1	-	2.5*	EPA 200.7
Mercury, Total (µg/L)	<0.2	-	-	-	-	-	-	-	1	1	0.2*	EPA 245.1
Molybdenum, Total (µg/L)	<10	-	-	-	-	-	-	-	1	1	10*	EPA 200.7
Nickel, Total (µg/L)	<10	-	-	-	-	-	-	-	1	1	10*	EPA 200.7
Phenols, Total (µg/L)	<5	-	-	-	-	-	-	-	1	1	5*	EPA 420.4
Selenium, Total (µg/L)	<10	-	-	-	-	-	-	-	1	1	10*	EPA 200.7
Silver, Total (µg/L)	<2	-	-	-	-	-	-	-	1	1	2*	EPA 200.7
Thallium, Total (µg/L)	<10	-	-	-	-	-	-	-	1	1	10*	EPA 200.7
Zinc, Total (µg/L)	12	10.4	-	-	-	-	-	-	1	-	5*	EPA 200.7

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 3 (PAGE 1 OF 2)

Please read instructions carefully before completing this form.

APPLICANT NAME	Constellation Energy Generation, LLC									
	☐ Outfall / IMP Number _____ (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☒ Intake Sampling Results (Specify Source: <u>Susquehanna River</u>) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)									
	POLLUTANT GROUP 3 PARAMETERS	CONCENTRATION / MASS PRESENT						No. Analyses	No. "Non-Detect" Results	RDL*/MDL Q1 Used
Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value						
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
Acrolein (µg/L)	<30	-	-	-	-	-	1	1	30*	EPA 624
Acrylonitrile (µg/L)	<5	-	-	-	-	-	1	1	5*	EPA 624
Benzene (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
Bromoform (µg/L)	<2	-	-	-	-	-	1	1	2*	EPA 624
Carbon Tetrachloride (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
Chlorobenzene (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
Chlorodibromomethane (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
Chloroethane (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
2-Chloroethylvinyl Ether (µg/L)	<2	-	-	-	-	-	1	1	2*	EPA 624
Chloroform (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
Dichlorobromomethane (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
1,1-Dichloroethane (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
1,2-Dichloroethane (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
1,1-Dichloroethylene (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
1,2 Dichloropropane (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
1,3-Dichloropropylene (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
1,4-Dioxane (µg/L)										
Ethylbenzene (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
Methyl Bromide (µg/L)	<2	-	-	-	-	-	1	1	2*	EPA 624
Methyl Chloride (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
Methylene Chloride (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
1,1,2,2-Tetrachloroethane (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
Tetrachloroethylene (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 3 (PAGE 2 OF 2)

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APPLICANT NAME	Constellation Energy Generation, LLC										
	☐ Outfall / IMP Number _____ (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☒ Intake Sampling Results (Specify Source: <u>Susquehanna River</u>) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)										
	POLLUTANT GROUP 3 PARAMETERS	CONCENTRATION / MASS PRESENT						No. Analyses	No. "Non- Detect" Results	RDL*/MDL Used	Method Used
Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value							
		Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
Toluene (µg/L)		<1	-	-	-	-	-	1	1	1*	EPA 624
1,2-Trans-Dichloroethylene (µg/L)		<1	-	-	-	-	-	1	1	1*	EPA 624
1,1,1-Trichloroethane (µg/L)		<1	-	-	-	-	-	1	1	1*	EPA 624
1,1,2-Trichloroethane (µg/L)		<1	-	-	-	-	-	1	1	1*	EPA 624
Trichloroethylene (µg/L)		<1	-	-	-	-	-	1	1	1*	EPA 624
Vinyl Chloride (µg/L)		<2	-	-	-	-	-	1	1	2*	EPA 624

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 4

Please read instructions carefully before completing this form.

APPLICANT NAME	Constellation Energy Generation, LLC												
	☐ Outfall / IMP Number _____ (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☒ Intake Sampling Results (Specify Source: <u>Susquehanna River</u>) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)	CONCENTRATION / MASS PRESENT								No. "Non-Detect" Results	RDL*/MDL Q/L Used	Method Used	
		Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses	Mass (lbs/day)				Conc
POLLUTANT GROUP 4 PARAMETERS		Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)			Conc	Mass (lbs/day)		
2-Chlorophenol (µg/L)		<7.5	-	-	-	-	-	-	-	1	1	7.5*	EPA 625
2,4-Dichlorophenol (µg/L)		<7.5	-	-	-	-	-	-	-	1	1	7.5*	EPA 625
2,4-Dimethylphenol (µg/L)		<7.5	-	-	-	-	-	-	-	1	1	7.5*	EPA 625
4,6-Dinitro-o-Cresol (µg/L)		<7.5	-	-	-	-	-	-	-	1	1	7.5*	EPA 625
2,4-Dinitrophenol (µg/L)		<15.1	-	-	-	-	-	-	-	1	1	15.1*	EPA 625
2-Nitrophenol (µg/L)		<7.5	-	-	-	-	-	-	-	1	1	7.5*	EPA 625
4-Nitrophenol (µg/L)		<7.5	-	-	-	-	-	-	-	1	1	7.5*	EPA 625
P-Chloro-m-Cresol (µg/L)		<7.5	-	-	-	-	-	-	-	1	1	7.5*	EPA 625
Pentachlorophenol (µg/L)		<15.1	-	-	-	-	-	-	-	1	1	15.1*	EPA 625
Phenol (µg/L)		<7.5	-	-	-	-	-	-	-	1	1	7.5*	EPA 625
2,4,6-Trichlorophenol (µg/L)		<7.5	-	-	-	-	-	-	-	1	1	7.5*	EPA 625

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 5 (PAGE 1 OF 3)

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APPLICANT NAME	Constellation Energy Generation, LLC									
	☐ Outfall / IMP Number _____ (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☒ Intake Sampling Results (Specify Source: <u>Susquehanna River</u>) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)									
	POLLUTANT GROUP 5 PARAMETERS	CONCENTRATION / MASS PRESENT				No. Analyses	No. "Non-Detect" Results	RDL * /MDL ^{QL} Used	Method Used	
Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value						
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
Acenaphthene (µg/L)	<1.4	-	-	-	-	-	1	1	1.4*	EPA 625
Acenaphthylene (µg/L)	<1.4	-	-	-	-	-	1	1	1.4*	EPA 625
Acrylamide (µg/L)										
Anthracene (µg/L)	<1.4	-	-	-	-	-	1	1	1.4*	EPA 625
Benzidine (µg/L)	<47.2	-	-	-	-	-	1	1	47.2*	EPA 625
Benzo(a)Anthracene (µg/L)	<1.4	-	-	-	-	-	1	1	1.4*	EPA 625
Benzo(a)Pyrene (µg/L)	<1.4	-	-	-	-	-	1	1	1.4*	EPA 625
3,4-Benzo-fluoranthene (µg/L)	<1.4	-	-	-	-	-	1	1	1.4*	EPA 625
Benzo(ghi)Perylene (µg/L)	<1.4	-	-	-	-	-	1	1	1.4*	EPA 625
Benzo(k)Fluoranthene (µg/L)	<1.4	-	-	-	-	-	1	1	1.4*	EPA 625
Bis(2-Chloro-ethoxy)Methane (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625
Bis(2-Chloroethy)Ether (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625
Bis(2-Chloro-isopropyl)Ether (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625
Bis(2-Ethylhexyl)Phthalate (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625
4-Bromophenyl Phenyl Ether (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625
Butyl Benzyl Phthalate (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625
2-Chloronaphthalene (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625
4-Chlorophenyl Phenyl Ether (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625
Chrysene (µg/L)	<1.4	-	-	-	-	-	1	1	1.4*	EPA 625

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 5 (PAGE 2 OF 3)

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APPLICANT NAME	Constellation Energy Generation, LLC									
	☐ Outfall / IMP Number _____ (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☒ Intake Sampling Results (Specify Source: <u>Susquehanna River</u>) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)									
	POLLUTANT GROUP 5 PARAMETERS	CONCENTRATION / MASS PRESENT				Long-Term Avg Value	No. Analyses	No. "Non- Detect" Results	RDL*/MDL QL Used	Method Used
Min/Max Daily Value		Max Avg Monthly Value								
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
Dibenzo(a,h)Anthracene (µg/L)	<1.4	-	-	-	-	-	1	1	1.4*	EPA 625
1,2-Dichlorobenzene (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
1,3- Dichlorobenzene (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
1,4- Dichlorobenzene (µg/L)	<1	-	-	-	-	-	1	1	1*	EPA 624
3,3'-Dichlorobenzidine (µg/L)	<15.1	-	-	-	-	-	1	1	15.1*	EPA 625
Diethyl Phthalate (µg/L)	<7.5	-	-	-	-	-	1	1	7.5*	EPA 625
Dimethyl Phthalate (µg/L)	<7.5	-	-	-	-	-	1	1	7.5*	EPA 625
Di-n-Butyl Phthalate (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625
2,4-Dinitrotoluene (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625
2,6-Dinitrotoluene (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625
Di-n-Octyl Phthalate (µg/L)	<7.5	-	-	-	-	-	1	1	7.5*	EPA 625
1,2-Diphenylhydrazine (as Azobenzene) (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625
Fluoranthene (µg/L)	<1.4	-	-	-	-	-	1	1	1.4*	EPA 625
Fluorene (µg/L)	<1.4	-	-	-	-	-	1	1	1.4*	EPA 625
Hexachlorobenzene (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625
Hexechlorobutadiene (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625
Hexachlorocyclopentadiene (µg/L)	<7.5	-	-	-	-	-	1	1	7.5*	EPA 625
Hexachloroethane (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625

ANALYSIS RESULTS TABLE
,POLLUTANT GROUP 5 (PAGE 3 OF 3)

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☐ Outfall / IMP Number _____ (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☒ Intake Sampling Results (Specify Source: <u>Susquehanna River</u>) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)											
POLLUTANT GROUP 5 PARAMETERS	CONCENTRATION / MASS PRESENT										
	Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses	No. "Non-Detect" Results	RDL*/MDL Qc Used	Method Used	
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)					
Indeno(1,2,3-cd)Pyrene (µg/L)	<1.4	-	-	-	-	-	1	1	1.4*	EPA 625	
Isophorone (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625	
Naphthalene (µg/L)	<1.4	-	-	-	-	-	1	1	1.4*	EPA 625	
Nitrobenzene (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625	
N-Nitroso-di-methylamine (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625	
N-Nitroso-di-n-propylamine (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625	
N-Nitroso-di-n-phenylamine (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625	
N-Nitroso-di-n-phenylamine (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625	
Phenanthrene (µg/L)	<1.4	-	-	-	-	-	1	1	1.4*	EPA 625	
Pyrene (µg/L)	<1.4	-	-	-	-	-	1	1	1.4*	EPA 625	
1,2,4-Trichlorobenzene (µg/L)	<2.8	-	-	-	-	-	1	1	2.8*	EPA 625	

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 1 (PAGE 1 OF 2)

Please read instructions carefully before completing this form.

APPLICANT NAME	Constellation Energy Generation, LLC										
	☒ Outfall / IMP Number 001 (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☐ Intake Sampling Results (Specify Source: _____) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)	CONCENTRATION / MASS PRESENT									
		Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses	No. "Non-Detect" Results	RDL*/MDL Q _L Used	Method Used
POLLUTANT GROUP 1 PARAMETERS	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)					
BOD ₅ (mg/L)	3.3	2230	3.3	2230	2.3	1512	3	1	2*	SM20-5210 B	
COD (mg/L)	15	10136	15	10136	10	6758	3	2	15*	EPA 410.4	
TOC (mg/L)	3.7	2500	3.7	2500	2.1	1443	3	1	1*	SM20-5310B	
TSS (mg/L) ‡	132	17316	132	17316	40	5737	23	2	5*	SM20-2540 D	
Ammonia-Nitrogen (mg/L)	0.238	161	0.238	161	0.16	152	3	1	0.1*	D6919-03	
Temperature (Winter) (°F)	84.8	XXX	84.8	XXX	55.4	XXX	Cont	XXX	XXX		
Temperature (Summer) (°F)	103.1	XXX	103.1	XXX	85.5	XXX	Cont	XXX	XXX		
pH – Minimum (S.U.)	7.2	XXX	XXX	XXX	7.2	XXX	23	XXX	XXX		
pH – Maximum (S.U.)	8.2	XXX	XXX	XXX	8.2	XXX	23	XXX	XXX		
Fecal Coliform (No./100 mL)	300	XXX	300	XXX	151	XXX	3	0	10/100*	SM20-9222 D	
Oil and Grease (mg/L)	3.1	2095	3.1	2095	2.3	1512	3	1	2*	EPA 1664A	
TRC (mg/L)	<0.1	XXX	<0.1	XXX	<0.1	XXX	3	3	0.1*	SM20-4500-Cl G	
Total Phosphorus (mg/L)	0.1	68	0.1	68	0.07	54	3	2	0.1*	EPA 365.1	
TKN (mg/L)	<1	-	<1	-	<1	-	3	3	1*	SM20-4500-NC	
Nitrite + Nitrate-Nitrogen (mg/L)	1.5	1014	1.5	1014	1.3	878	3	0	0.2*	EPA 300	
Total Dissolved Solids (mg/L)	214	144601	214	144601	195	131538	3	0	5*	SM20-2540 C	
Color (Pt-Co Units)	15	XXX	15	XXX	13.3	XXX	3	0	5	SM20-2120 B	
Bromide (mg/L)	<0.6	-	<0.6	-	<0.6	-	3	3	0.6*	EPA 300	
Chloride (mg/L)											
Sulfate (mg/L)	55.5	37502	55.5	37502	52	35114	3	0	2*	EPA 300	
Sulfide (mg/L)	<1	-	<1	-	<1	-	3	3	1*	SM20-4500S2F	
Surfactants (mg/L)	<0.025	-	<0.025	-	<0.025	-	3	3	0.025*	SM20-5540 C	
Fluoride (mg/L)	<0.2	-	<0.2	-	<0.2	-	3	3	0.2*	EPA 300	
Total Hardness (mg/L)	174	117573	174	117573	135	90995	3	0	5*	SM20-2340 C	

NB: PADEP forms request for Method Detection Limit (MDL), however, ALS lab results provided the Reporting Detection Limit (RDL). Therefore, quantitation amounts are provided in RDL.
[‡ based on 2017-2018 DMR data.]

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ANALYSIS RESULTS TABLE
POLLUTANT GROUP 1 (PAGE 2 OF 2)

Please read instructions carefully before completing this form.

APPLICANT NAME	Constellation Energy Generation, LLC											
☒ Outfall / IMP Number 001 (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☐ Intake Sampling Results (Specify Source: _____) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)	POLLUTANT GROUP 1 PARAMETERS	CONCENTRATION / MASS PRESENT								No. "Non-Detect" Results	QL Used	Method Used
		Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses				
		Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)					
	Perfluorooctanoic acid (PFOA) (ng/L)											
	Perfluorooctanesulfonic acid (PFOS) (ng/L)											
	Perfluorobutanesulfonic acid (PFBS) (ng/L)											
Hexafluoropropylene oxide dimer acid (HFPO-DA) (ng/L)												

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 2

Please read instructions carefully before completing this form.

APPLICANT NAME	Constellation Energy Generation, LLC	CONCENTRATION / MASS PRESENT										No. "Non-Detect" Results	MDL/ RDL * QLE Used	Method Used
		POLLUTANT GROUP 2 PARAMETERS		Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses				
		Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)					
☒ Outfall / IMP Number 001 (Show location of sampling point on Line Drawing)		Aluminum, Total (µg/L)	200	135	200	135	167	118	3	0	50*	EPA 200.7		
☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing)		Antimony, Total (µg/L)	<10	-	<10	-	<10	-	3	3	10*	EPA 200.7		
☐ Intake Sampling Results (Specify Source: _____)		Arsenic, Total (µg/L)	<5	-	<5	-	<5	-	3	3	5*	EPA 200.7		
☐ Background (Upstream) Sampling Results (Specify Location: _____)		Barium, Total (µg/L)	43	29	43	29	37	23	3	0	5*	EPA 200.7		
☐ New Discharge (Basis for Information: _____)		Beryllium, Total (µg/L)	<2	-	<2	-	<2	-	3	3	2*	EPA 200.7		
		Boron, Total (µg/L)	<50	-	<50	-	<50	-	3	3	50*	EPA 200.7		
		Cadmium, Total (µg/L)	<1	-	<1	-	<1	-	3	3	1*	EPA 200.7		
		Chromium, Total (µg/L)	<2.5	-	<2.5	-	<2.5	-	3	3	2.5*	EPA 200.7		
		Chromium, Hexavalent (µg/L)	<10	-	<10	-	<10	-	3	3	10*	SM20-3500-Cr D		
		Cobalt, Total (µg/L)	<2.5	-	<2.5	-	<2.5	-	3	3	2.5*	EPA 200.7		
		Copper, Total (µg/L)	14	9.5	14	9.5	8.7	6.8	3	0	5*	EPA 200.7		
		Cyanide, Total (µg/L)	<5	-	5	-	5	-	3	3	5*	EPA 335.4		
		Iron, Total (µg/L)	580	392	580	392	527	375	3	0	30*	EPA 200.7		
		Iron, Dissolved (µg/L)	140	95	140	95	130	73	3	0	60*	EPA 200.7		
		Lead, Total (µg/L)	<3	-	<3	-	<3	-	3	3	3*	EPA 200.7		
		Manganese, Total (µg/L)	140	95	140	95	122	101	3	0	2.5*	EPA 200.7		
		Mercury, Total (µg/L)	<0.2	-	<0.2	-	<0.2	-	3	3	0.2*	EPA 245.1		
		Molybdenum, Total (µg/L)	<10	-	<10	-	<10	-	3	3	10*	EPA 200.7		
		Nickel, Total (µg/L)	<10	-	<10	-	<10	-	3	3	10*	EPA 200.7		
		Phenols, Total (µg/L)	6	4.1	6	4.1	3.7	2.6	3	2	5*	EPA 420.4		
		Selenium, Total (µg/L)	<10	-	<10	-	<10	-	3	3	10*	EPA 200.7		
		Silver, Total (µg/L)	<2	-	<2	-	<2	-	3	3	2*	EPA 200.7		
		Thallium, Total (µg/L)	<10	-	<10	-	<10	-	3	3	10*	EPA 200.7		
		Zinc, Total (µg/L)	70	47.3	70	47.3	55.3	34.5	3	0	5*	EPA 200.7		

NB: PADEP forms request for Method Detection Limit (MDL), however, ALS lab results provided the Reporting Detection Limit (RDL). Therefore, quantitation amounts are provided in RDL.
[* based on 2017-2018 DMR data.]

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ANALYSIS RESULTS TABLE
POLLUTANT GROUP 3 (PAGE 1 OF 2)

Please read instructions carefully before completing this form.

APPLICANT NAME	Constellation Energy Generation, LLC												
	☒ Outfall / IMP Number 001 (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☐ Intake Sampling Results (Specify Source: _____) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)	POLLUTANT GROUP 3 PARAMETERS	CONCENTRATION / MASS PRESENT								No. "Non-Detect" Results	RDL*/MDL Q _L Used	Method Used
			Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses	Mass (lbs/day)			
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)			Conc	Mass (lbs/day)	Conc
Acrolein (µg/L)	<30	-	<30	-	<30	-	<30	-	<30	-	3	30*	EPA 624
Acrylonitrile (µg/L)	<5	-	<5	-	<5	-	<5	-	<5	-	3	5*	EPA 624
Benzene (µg/L)	<1	-	<1	-	<1	-	<1	-	<1	-	3	1*	EPA 624
Bromoform (µg/L)	<2	-	<2	-	<2	-	<2	-	<2	-	3	2*	EPA 624
Carbon Tetrachloride (µg/L)	<1	-	<1	-	<1	-	<1	-	<1	-	3	1*	EPA 624
Chlorobenzene (µg/L)	<1	-	<1	-	<1	-	<1	-	<1	-	3	1*	EPA 624
Chlorodibromomethane (µg/L)	<1	-	<1	-	<1	-	<1	-	<1	-	3	1*	EPA 624
Chloroethane (µg/L)	<1	-	<1	-	<1	-	<1	-	<1	-	3	1*	EPA 624
2-Chloroethylvinyl Ether (µg/L)	<2	-	<2	-	<2	-	<2	-	<2	-	3	2*	EPA 624
Chloroform (µg/L)	1.3	0.88	1.3	0.88	1.3	0.88	0.77	0.5	0.77	0.5	3	1*	EPA 624
Dichlorobromomethane (µg/L)	<1	-	<1	-	<1	-	<1	-	<1	-	3	1*	EPA 624
1,1-Dichloroethane (µg/L)	<1	-	<1	-	<1	-	<1	-	<1	-	3	1*	EPA 624
1,2-Dichloroethane (µg/L)	<1	-	<1	-	<1	-	<1	-	<1	-	3	1*	EPA 624
1,1-Dichloroethylene (µg/L)	<1	-	<1	-	<1	-	<1	-	<1	-	3	1*	EPA 624
1,2 Dichloropropane (µg/L)	<1	-	<1	-	<1	-	<1	-	<1	-	3	1*	EPA 624
1,3-Dichloropropylene (µg/L)	<1	-	<1	-	<1	-	<1	-	<1	-	3	1*	EPA 624
1,4-Dioxane (µg/L)													
Ethylbenzene (µg/L)	<1	-	<1	-	<1	-	<1	-	<1	-	3	1*	EPA 624
Methyl Bromide (µg/L)	<2	-	<2	-	<2	-	<2	-	<2	-	3	2*	EPA 624
Methyl Chloride (µg/L)	<1	-	<1	-	<1	-	<1	-	<1	-	3	1*	EPA 624
Methylene Chloride (µg/L)	1.5	1.01	1.5	1.01	1.5	1.01	1	0.7	1	0.7	3	1*	EPA 624
1,1,2,2-Tetrachloroethane (µg/L)	<1	-	<1	-	<1	-	<1	-	<1	-	3	1*	EPA 624
Tetrachloroethylene (µg/L)	<1	-	<1	-	<1	-	<1	-	<1	-	3	1*	EPA 624

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NB: PADEP forms request for Method Detection Limit (MDL), however, ALS lab results provided the Reporting Detection Limit (RDL). Therefore, quantitation amounts are provided in RDL.
[* based on 2017-2018 DMR data.]

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 3 (PAGE 2 OF 2)

Please read instructions carefully before completing this form.

APPLICANT NAME	Constellation Energy Generation, LLC	CONCENTRATION / MASS PRESENT													
		Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses	No. "Non-Detect" Results	MDL Q _L Used	Method Used				
		Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)								
☒ Outfall / IMP Number 001 (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☐ Intake Sampling Results (Specify Source: _____) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)		POLLUTANT GROUP 3 PARAMETERS													
		Toluene (µg/L)	<1	-	<1	-	<1	-	<1	-	3	3	1*	EPA 624	
		1,2-Trans-Dichloroethylene (µg/L)	<1	-	<1	-	<1	-	<1	-	3	3	1*	EPA 624	
		1,1,1-Trichloroethane (µg/L)	<1	-	<1	-	<1	-	<1	-	3	3	1*	EPA 624	
		1,1,2-Trichloroethane (µg/L)	<1	-	<1	-	<1	-	<1	-	3	3	1*	EPA 624	
		Trichloroethylene (µg/L)	<1	-	<1	-	<1	-	<1	-	3	3	1*	EPA 624	
		Vinyl Chloride (µg/L)	<2	-	<2	-	<2	-	<2	-	3	3	2*	EPA 624	

NB: PADEP forms request for Method Detection Limit (MDL), however, ALS lab results provided the Reporting Detection Limit (RDL). Therefore, quantitation amounts are provided in RDL.
[* based on 2017-2018 DMR data.]

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ANALYSIS RESULTS TABLE
POLLUTANT GROUP 4

Please read instructions carefully before completing this form.

APPLICANT NAME	Constellation Energy Generation, LLC	CONCENTRATION / MASS PRESENT													
		Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses	No. "Non-Detect" Results	MDL-QL Used	Method Used				
		Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)								
☒ Outfall / IMP Number 001 (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☐ Intake Sampling Results (Specify Source: _____) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)		POLLUTANT GROUP 4 PARAMETERS													
		2-Chlorophenol (µg/L)	<7.5	-	<7.5	-	<7.5	-	<7.5	-	3	3	7.5*	EPA 625	
		2,4-Dichlorophenol (µg/L)	<7.5	-	<7.5	-	<7.5	-	<7.5	-	3	3	7.5*	EPA 625	
		2,4-Dimethylphenol (µg/L)	<7.5	-	<7.5	-	<7.5	-	<7.5	-	3	3	7.5*	EPA 625	
		4,6-Dinitro-o-Cresol (µg/L)	<7.5	-	<7.5	-	<7.5	-	<7.5	-	3	3	7.5*	EPA 625	
		2,4-Dinitrophenol (µg/L)	<15.1	-	<15.1	-	<15.1	-	<15.1	-	3	3	15.1*	EPA 625	
		2-Nitrophenol (µg/L)	<7.5	-	<7.5	-	<7.5	-	<7.5	-	3	3	7.5*	EPA 625	
		4-Nitrophenol (µg/L)	<7.5	-	<7.5	-	<7.5	-	<7.5	-	3	3	7.5*	EPA 625	
		P-Chloro-m-Cresol (µg/L)	<7.5	-	<7.5	-	<7.5	-	<7.5	-	3	3	7.5*	EPA 625	
		Pentachlorophenol (µg/L)	<15.1	-	<15.1	-	<15.1	-	<15.1	-	3	3	15.1*	EPA 625	
		Phenol (µg/L)	<7.5	-	<7.5	-	<7.5	-	<7.5	-	3	3	7.5*	EPA 625	
		2,4,6-Trichlorophenol (µg/L)	<7.5	-	<7.5	-	<7.5	-	<7.5	-	3	3	7.5*	EPA 625	

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NB: PADEP forms request for Method Detection Limit (MDL), however, ALS lab results provided the Reporting Detection Limit (RDL). Therefore, quantitation amounts are provided in RDL.
[X based on 2017-2018 DMR data.]

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 5 (PAGE 1 OF 3)

Please read instructions carefully before completing this form.

APPLICANT NAME		Constellation Energy Generation, LLC									
☒ Outfall / IMP Number 001 (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☐ Intake Sampling Results (Specify Source: _____) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)											
POLLUTANT GROUP 5 PARAMETERS	CONCENTRATION / MASS PRESENT										
	Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses	No. "Non- Detect" Results	MDL-QE Used	Method Used	
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)					
Acenaphthene (µg/L)	<1.4	-	<1.4	-	<1.4	-	3	3	1.4*	EPA 625	
Acenaphthylene (µg/L)	<1.4	-	<1.4	-	<1.4	-	3	3	1.4*	EPA 625	
Acrylamide (µg/L)											
Anthracene (µg/L)	<1.4	-	<1.4	-	<1.4	-	3	3	1.4*	EPA 625	
Benidine (µg/L)	<47.2	-	<47.2	-	<47.2	-	3	3	47.2*	EPA 625	
Benzo(a)Anthracene (µg/L)	<1.4	-	<1.4	-	<1.4	-	3	3	1.4*	EPA 625	
Benzo(a)Pyrene (µg/L)	<1.4	-	<1.4	-	<1.4	-	3	3	1.4*	EPA 625	
3,4-Benzo-fluoranthene (µg/L)	<1.4	-	<1.4	-	<1.4	-	3	3	1.4*	EPA 625	
Benzo(ghi)Perylene (µg/L)	<1.4	-	<1.4	-	<1.4	-	3	3	1.4*	EPA 625	
Benzo(k)Fluoranthene (µg/L)	<1.4	-	<1.4	-	<1.4	-	3	3	1.4*	EPA 625	
Bis(2-Chloro-ethoxy)Methane (µg/L)	<2.8	-	<2.8	-	<2.8	-	3	3	2.8*	EPA 625	
Bis(2-Chloroethyl)Ether (µg/L)	<2.8	-	<2.8	-	<2.8	-	3	3	2.8*	EPA 625	
Bis(2-Chloro-isopropyl)Ether (µg/L)	<2.8	-	<2.8	-	<2.8	-	3	3	2.8*	EPA 625	
Bis(2-Ethylhexyl)Phthalate (µg/L)	<2.8	-	<2.8	-	<2.8	-	3	3	2.8*	EPA 625	
4-Bromophenyl Phenyl Ether (µg/L)	<2.8	-	<2.8	-	<2.8	-	3	3	2.8*	EPA 625	
Butyl Benzyl Phthalate (µg/L)	<2.8	-	<2.8	-	<2.8	-	3	3	2.8*	EPA 625	
2-Chloronaphthalene (µg/L)	<2.8	-	<2.8	-	<2.8	-	3	3	2.8*	EPA 625	
4-Chlorophenyl Phenyl Ether (µg/L)	<2.8	-	<2.8	-	<2.8	-	3	3	2.8*	EPA 625	
Chrysene (µg/L)	<1.4	-	<1.4	-	<1.4	-	3	3	1.4*	EPA 625	

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NB: PADEP forms request for Method Detection Limit (MDL), however, ALS lab results provided the Reporting Detection Limit (RDL). Therefore, quantitation amounts are provided in RDL.
[X based on 2017-2018 DMR data.]

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 5 (PAGE 2 OF 3)

Please read instructions carefully before completing this form.

APPLICANT NAME		Constellation Energy Generation, LLC									
☒ Outfall / IMP Number 001 (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☐ Intake Sampling Results (Specify Source: _____) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)											
POLLUTANT GROUP 5 PARAMETERS	CONCENTRATION / MASS PRESENT										
	Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses	No. "Non- Detect" Results	MDL	QL-Used	Method Used
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)					
Dibenzo(a,h)Anthracene (µg/L)	<1.4	-	<1.4	-	<1.4	-	3	3	1.4*		EPA 625
1,2-Dichlorobenzene (µg/L)	<1	-	<1	-	<1	-	3	3	1*		EPA 624
1,3-Dichlorobenzene (µg/L)	<1	-	<1	-	<1	-	3	3	1*		EPA 624
1,4-Dichlorobenzene (µg/L)	<1	-	<1	-	<1	-	3	3	1*		EPA 624
3,3'-Dichlorobenzidine (µg/L)	<15.1	-	<15.1	-	<15.1	-	3	3	15.1*		EPA 625
Diethyl Phthalate (µg/L)	<7.5	-	<7.5	-	<7.5	-	3	3	7.5*		EPA 625
Dimethyl Phthalate (µg/L)	<7.5	-	<7.5	-	<7.5	-	3	3	7.5*		EPA 625
Di-n-Butyl Phthalate (µg/L)	<2.8	-	<2.8	-	<2.8	-	3	3	2.8*		EPA 625
2,4-Dinitrotoluene (µg/L)	<2.8	-	<2.8	-	<2.8	-	3	3	2.8*		EPA 625
2,6-Dinitrotoluene (µg/L)	<2.8	-	<2.8	-	<2.8	-	3	3	2.8*		EPA 625
Di-n-Octyl Phthalate (µg/L)	<7.5	-	<7.5	-	<7.5	-	3	3	7.5*		EPA 625
1,2-Diphenylhydrazine (as Azobenzene) (µg/L)	<2.8	-	<2.8	-	<2.8	-	3	3	2.8*		EPA 625
Fluoranthene (µg/L)	<1.4	-	<1.4	-	<1.4	-	3	3	1.4*		EPA 625
Fluorene (µg/L)	<1.4	-	<1.4	-	<1.4	-	3	3	1.4*		EPA 625
Hexachlorobenzene (µg/L)	<2.8	-	<2.8	-	<2.8	-	3	3	2.8*		EPA 625
Hexachlorobutadiene (µg/L)	<2.8	-	<2.8	-	<2.8	-	3	3	2.8*		EPA 625
Hexachlorocyclopentadiene (µg/L)	<7.5	-	<7.5	-	<7.5	-	3	3	7.5*		EPA 625
Hexachloroethane (µg/L)	<2.8	-	<2.8	-	<2.8	-	3	3	2.8*		EPA 625

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NB: PADEP forms request for Method Detection Limit (MDL), however, ALS lab results provided the Reporting Detection Limit (RDL). Therefore, quantitation amounts are provided in RDL.
[* based on 2017-2018 DMR data.]

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 5 (PAGE 3 OF 3)

Please read instructions carefully before completing this form.

APPLICANT NAME	Constellation Energy Generation, LLC	CONCENTRATION / MASS PRESENT										No. "Non-Detect" Results	MDL QL Used	Method Used
		POLLUTANT GROUP 5 PARAMETERS		Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses				
				Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)					
☒ Outfall / IMP Number 001 (Show location of sampling point on Line Drawing)		Indeno(1,2,3-cd)Pyrene (µg/L)	<1.4	-	<1.4	-	<1.4	-	<1.4	-	3	1.4*	EPA 625	
☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing)		Isophorone (µg/L)	<2.8	-	<2.8	-	<2.8	-	<2.8	-	3	2.8*	EPA 625	
☐ Intake Sampling Results (Specify Source: _____)		Naphthalene (µg/L)	<1.4	-	<1.4	-	<1.4	-	<1.4	-	3	1.4*	EPA 625	
☐ Background (Upstream) Sampling Results (Specify Location: _____)		Nitrobenzene (µg/L)	<2.8	-	<2.8	-	<2.8	-	<2.8	-	3	2.8*	EPA 625	
☐ New Discharge (Basis for Information: _____)		N-Nitroso-di-methylamine (µg/L)	<2.8	-	<2.8	-	<2.8	-	<2.8	-	3	2.8*	EPA 625	
		N-Nitroso-di-n-propylamine (µg/L)	<2.8	-	<2.8	-	<2.8	-	<2.8	-	3	2.8*	EPA 625	
		N-Nitroso-di-n-phenylamine (µg/L)	<2.8	-	<2.8	-	<2.8	-	<2.8	-	3	2.8*	EPA 625	
		Phenanthrene (µg/L)	<1.4	-	<1.4	-	<1.4	-	<1.4	-	3	1.4*	EPA 625	
		Pyrene (µg/L)	<1.4	-	<1.4	-	<1.4	-	<1.4	-	3	1.4*	EPA 625	
		1,2,4-Trichlorobenzene (µg/L)	<2.8	-	<2.8	-	<2.8	-	<2.8	-	3	2.8*	EPA 625	

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NB: PADEP forms request for Method Detection Limit (MDL), however, ALS lab results provided the Reporting Detection Limit (RDL). Therefore, quantitation amounts are provided in RDL.
[* based on 2017-2018 DMR data.]

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 1 (PAGE 1 OF 2)

Please read instructions carefully before completing this form.

APPLICANT NAME	Constellation Energy Generation, LLC												
	☒ Outfall / IMP Number 101 (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☐ Intake Sampling Results (Specify Source: _____) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)	POLLUTANT GROUP 1 PARAMETERS	CONCENTRATION / MASS PRESENT								No. "Non-Detect" Results	RDL*/MDL Q _L Used	Method Used
			Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses				
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)					
CBOD ₅ (mg/L)	4.0	0.03	4.0	0.03	1.06	0.05			8	7	2*	SM20-5210 B	
COD (mg/L)													
TOC (mg/L)													
TSS (mg/L)	9.0	0.83	9.0	0.83	5.55	0.27			8	5	5*	SM20-2540 D	
Ammonia-Nitrogen (mg/L)													
Temperature (Winter) (°F)		XXX		XXX		XXX		XXX		XXX	XXX		
Temperature (Summer) (°F)		XXX		XXX		XXX		XXX		XXX	XXX		
pH – Minimum (S.U.)		XXX		XXX		XXX		XXX		XXX	XXX		
pH – Maximum (S.U.)		XXX		XXX		XXX		XXX		XXX	XXX		
Fecal Coliform (No./100 mL)	2	XXX	2	XXX	<1	XXX		XXX	8	7	XXX	SM20-9222 D	
Oil and Grease (mg/L)													
TRC (mg/L)		XXX		XXX		XXX		XXX					
Total Phosphorus (mg/L)	0.30	0.03	0.30	0.03	0.16	0.01			8	5	0.1*	EPA 365.1	
TKN (mg/L)													
Nitrite + Nitrate-Nitrogen (mg/L)													
Total Dissolved Solids (mg/L)													
Color (Pt-Co Units)		XXX		XXX		XXX							
Bromide (mg/L)													
Chloride (mg/L)													
Sulfate (mg/L)													
Sulfide (mg/L)													
Surfactants (mg/L)													
Fluoride (mg/L)													
Total Hardness (mg/L)													

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 1 (PAGE 2 OF 2)

Please read instructions carefully before completing this form.

APPLICANT NAME		Constellation Energy Generation, LLC							
☒ Outfall / IMP Number 101 (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☐ Intake Sampling Results (Specify Source: _____) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)									
POLLUTANT GROUP 1 PARAMETERS	CONCENTRATION / MASS PRESENT						No. "Non-Detect" Results	QL Used	Method Used
	Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value				
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)			
Perfluorooctanoic acid (PFOA) (ng/L)									
Perfluorooctanesulfonic acid (PFOS) (ng/L)									
Perfluorobutanesulfonic acid (PFBS) (ng/L)									
Hexafluoropropylene oxide dimer acid (HFPO-DA) (ng/L)									

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 1 (PAGE 1 OF 2)

Please read instructions carefully before completing this form.

APPLICANT NAME	Constellation Energy Generation, LLC									
	☒ Outfall / IMP Number 501 (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☐ Intake Sampling Results (Specify Source: _____) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)									
	CONCENTRATION / MASS PRESENT									
POLLUTANT GROUP 1 PARAMETERS	Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses	No. "Non-Detect" Results	RDL * /MDL QL Used	Method Used
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)				
BOD ₅ (mg/L)										
COD (mg/L)										
TOC (mg/L)										
TSS (mg/L) ‡	11.0	8.09	11.0	8.09	5.09	3.64	6	3	5*	SM20-2540 D
Ammonia-Nitrogen (mg/L)										
Temperature (Winter) (°F)		XXX		XXX		XXX		XXX	XXX	
Temperature (Summer) (°F)		XXX		XXX		XXX		XXX	XXX	
pH – Minimum (S.U.) ‡	8	XXX	XXX	XXX		XXX	6	XXX	XXX	
pH – Maximum (S.U.) ‡	8.3	XXX	XXX	XXX		XXX	6	XXX	XXX	
Fecal Coliform (No./100 mL)										
Oil and Grease (mg/L)‡	5	3.68	5	3.68	3.53	1.7	3	2	4	-
TRC (mg/L)		XXX		XXX		XXX				
Total Phosphorus (mg/L)										
TKN (mg/L)										
Nitrite + Nitrate-Nitrogen (mg/L)										
Total Dissolved Solids (mg/L)										
Color (Pt-Co Units)		XXX		XXX		XXX				
Bromide (mg/L)										
Chloride (mg/L)										
Sulfate (mg/L)										
Sulfide (mg/L)										
Surfactants (mg/L)										
Fluoride (mg/L)										
Total Hardness (mg/L)										

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NB: PADEP forms request for Method Detection Limit (MDL), however, ALS lab results provided the Reporting Detection Limit (RDL). Therefore, quantitation amounts are provided in RDL.
[‡ based on 2023-2024 DMR data.]

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 1 (PAGE 2 OF 2)

Please read instructions carefully before completing this form.

APPLICANT NAME		Constellation Energy Generation, LLC										
☒ Outfall / IMP Number 501 (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☐ Intake Sampling Results (Specify Source: _____) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)												
POLLUTANT GROUP 1 PARAMETERS		CONCENTRATION / MASS PRESENT								No. "Non-Detect" Results	QL Used	Method Used
		Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses				
		Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)					
Perfluorooctanoic acid (PFOA) (ng/L)												
Perfluorooctanesulfonic acid (PFOS) (ng/L)												
Perfluorobutanesulfonic acid (PFBS) (ng/L)												
Hexafluoropropylene oxide dimer acid (HFPO-DA) (ng/L)												

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 1 (PAGE 1 OF 2)

Please read instructions carefully before completing this form.

APPLICANT NAME	Constellation Energy Generation, LLC															
	☒ Outfall / IMP Number 701 (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☐ Intake Sampling Results (Specify Source: _____) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)	CONCENTRATION / MASS PRESENT								No. "Non-Detect" Results	RDL * /MDL QL Used	Method Used				
		Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses								
POLLUTANT GROUP 1 PARAMETERS	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc		Mass (lbs/day)							
	BOD ₅ (mg/L)															
	COD (mg/L)															
	TOC (mg/L)															
	TSS (mg/L) ‡															
	Ammonia-Nitrogen (mg/L)															
	Temperature (Winter) (°F)															
	Temperature (Summer) (°F)															
	pH – Minimum (S.U.) ‡															
	pH – Maximum (S.U.) ‡															
	Fecal Coliform (No./100 mL)															
	Oil and Grease (mg/L) ‡															
	TRC (mg/L)															
	Total Phosphorus (mg/L)															
TKN (mg/L)																
Nitrite + Nitrate-Nitrogen (mg/L)																
Total Dissolved Solids (mg/L)																
Color (Pt-Co Units)																
Bromide (mg/L)																
Chloride (mg/L)																
Sulfate (mg/L)																
Sulfide (mg/L)																
Surfactants (mg/L)																
Fluoride (mg/L)																
Total Hardness (mg/L)																

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NB: Information based on DMRs. PADEP forms request for Method Detection Limit (MDL), however, ALS lab results provided the Reporting Detection Limit (RDL). Therefore, quantitation amounts are provided in RDL. [‡ based on 2017-2018 DMR data.]

ANALYSIS RESULTS TABLE
POLLUTANT GROUP 1 (PAGE 2 OF 2)

Please read instructions carefully before completing this form.

APPLICANT NAME	Constellation Energy Generation, LLC										
☒ Outfall / IMP Number 701 (Show location of sampling point on Line Drawing) ☐ Treatment Facility Influent Sampling Results (Show location of sampling point on Line Drawing) ☐ Intake Sampling Results (Specify Source: _____) ☐ Background (Upstream) Sampling Results (Specify Location: _____) ☐ New Discharge (Basis for Information: _____)	CONCENTRATION / MASS PRESENT										
	Min/Max Daily Value		Max Avg Monthly Value		Long-Term Avg Value		No. Analyses	No. "Non-Detect" Results	QL Used	Method Used	
	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)	Conc	Mass (lbs/day)					
	Perfluorooctanoic acid (PFOA) (ng/L)										
	Perfluorooctanesulfonic acid (PFOS) (ng/L)										
Perfluorobutanesulfonic acid (PFBS) (ng/L)											
Hexafluoropropylene oxide dimer acid (HFPO-DA) (ng/L)											