Innsbrook Technical Center
5000 Dominion Boulevard
Glen Allen, Virginia 23060

Certified Mail
Return Receipt Requested

VIRGINIA POWER

April 28, 2000

Dr. Janardan R. Pandey, P.E.
Valley Regional Office
P.O. Box 3000
Harrisonburg, Va. 22801-3000

Re: Additional Information - Application for Reissuance
VPDES Permit No. VA0052451 - North Anna Power Station

Dear Dr. Pandey:

As per your telephone discussion with Joyce Livingstone of my staff on 4/25/00, the three matters that you brought to our attention are addressed below.

1. There have been no substantial changes in the conditions described in our request for a variance under Section 316(a). We request that the 316(a) variance and the alternative effluent limitations referenced in the current permit (VA0052452), Part I.C.12 be continued in the reissued permit.

2. To support our previous request to delete Outfall # 019, Domestic Water Overflow, from the permit, we have verified that this discharge is not chlorinated.

3. On Form 2C, Section V, the notations "ND" indicate analytical results below Virginia Power Detection Levels (attached to this letter and to the application) or the DEQ Quantification Levels which in some cases are lower. The current permit (Parts I.B.1 and B.2) specifies certain parameters for Outfalls 001, 013 and 014 to be analyzed by methods with quantification levels equal to or lower than DEQ Quantification Levels. Section V of Form 2C has been revised for Outfall 001 and Outfall 104 (representing Outfalls 013 and 014) to indicate the applicable detection levels. A revision has also been included in Section VIII indicating that Primary Laboratories, Inc. performed the analyses for pesticides ad PCBs.

If you have any questions concerning this application, please direct your call to Joyce Livingstone at (804) 273-2985.

Sincerely,

Pamela F. Faggert

Pamela F. Faggert
Vice President and
Chief Environmental Officer

C001

cc: U.S. Nuclear Regulatory Commission
Region II
Atlanta Federal Center
61 Forsyth Street, SW, Suite 23T85
Atlanta, Georgia 30303
RE: North Anna Units 1 & 2
Docket Nos. 50-338/50-339
License Nos. NPF-4/NPF-7

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555
RE: North Anna Units 1 & 2
Docket Nos. 50-338/50-339
License Nos. NPF-4/NPF-7

Department of Environmental Quality
Valley Regional Office
P.O. Box 1129
Harrisonburg, Va. 22801-1129

Mr. M. J. Morgan
NRC Senior Resident Inspector
North Anna Power Station

cc: U.S. Nuclear Regulatory Commission
Region II
Atlanta Federal Center
61 Forsyth Street, SW, Suite 23T85
Atlanta, Georgia 30303
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Department of Environmental Quality
Valley Regional Office
P.O. Box 1129
Harrisonburg, Va. 22801-1129

Mr. M. J. Morgan
NRC Senior Resident Inspector
North Anna Power Station

ebc: W. R. Matthews - Site Vice President
D. A. Heacock - Manager Operations & Maintenance
C. L. Funderburk - Manager Station Safety & Licensing
B. W. Foster - Superintendent Engineering
A. H. Stafford - Superintendent Radiological Protection
J. W. Crossman - Supervisor Licensing
J. Ingram - Director – Electric Environmental Support
R. B. Asplund - Team Leader, Environmental Regulations & Permits

bc: A. C. Cooke - Environmental Compliance Coordinator
J. B. Livingstone – Senior Environmental Specialist

CENSORING POINT FOR FORM 2C DATA

FORM 2C Order	POLLUTANT	VIRGINIA POWER DETECTION LEVEL (ug/L)	DEQ QUANTIFICATION LEVEL (ug/L)
	Biological Oxygen Demand (BOD)	2000	
	Chemical Oxygen Demand	5000	
	Total Organic Carbon		
	Total Suspended Solids	1000	
1	Ammonia	10	200
2	Bromide	200	
3	Chlorine (TRC)		100
4	Fluoride	20	
5	Nitrate-Nitrite	10	
6	Nitrogen (Total Organic)	50	
7	Oil & Grease	5000	
8	Phosphorous	10	
9	Sulfate	500	
10	Sulfide	10	
11	Sulfite		
12	Surfactants	25	
13	Aluminum	200	
14	Barium	3	20
15	Boron	20	
16	Cobalt	3	
17	Iron	50	
18	Magnesium	10	
19	Molybdenum	1	
20	Mangaese	20	
21	Tin	5	
22	Titanium	10	
23			
24	**METALS, CYANIDE, TOTAL PHENOLS**		
25	Antimony	2	
26	Arsenic	3	10
27	Berylliyum	0.2	
28	Cadmium	0.3	1
29	Chromium 3	1	10
30	Chromium 6	10	10
31	Copper	1	10
32	Lead	1	5
33	Mercury	0.2	0.3
34	Nickel	5	40
35	Selenium	3	5
36	Silver	0.1	2
37	Thallium	2	
38	Zinc	10	20
39	Cyanide	5	10

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CENSORING POINT FOR FORM 2C DATA

FORM 2C Order	POLLUTANT	VIRGINIA POWER DETECTION LEVEL (ug/L)	DEQ QUANTIFICATION LEVEL (ug/L)
40	Phenols, Total	2.7	10
41			
42	**DIOXIN**	625 Screen	0.00001
43			
44	**VOLATILE COMPOUNDS**		
45	Acrolein	40.8	
46	Acrylonitrile	1.5	
47	Benzene	4.4	10
48	Bis (chloromethyl) ether	NA	NA
49	Bromoform	4.7	10
50	Carbon Tetrachloride	2.8	10
51	Chlorobenzene (monochlorobenzene)	6	50
52	Chlorodibromomethane	3.1	10
53	Chloroethane	1.1	
54	2-Chloroethylvinyl Ether	1.2	
55	Chloroform	1.6	10
56	Chloromethane (same as methy chloride)	1.1	
56	Methly Chloride (same as chloromethane)	1.1	
58	Dichlorobromomethane	2.2	10
59	Dichlorodifluoromethane	NA	NA
60	1,1-Dichloroethane	4.7	
61	1,2-Dichloroethane	2.8	
62	1,1,-Dichloroethylene	2.8	
63	1,2-Dichloropropane	6	
64	trans 1,3-Dichloropropylene	0.9	
64	cis 1,3-Dichloropropylene	5.9	
65	Ethylbenzene	7.2	10
66	Monochlorobenzene (Chlorobenzene)	6	
67	Methyl Bromide	1.4	
69	Dichloromethane (methylene chloride)	2.8	
69	Methylene Chloride (same as dichloromethar	2.8	
70	1,1,2,2-Tetrachloroethane	6.9	
71	Tetrachloroethylene	4.1	10
72	Toluene	6	10
73	1,2-TransDichloroethylene	1.6	
74	1,1,1-Trichloroethane	3.8	
75	1,1,2-Trichloroethane	5	
76	Trichloroethylene	1.9	10
77	Trichlorofluoromethane	NA	NA
78	Vinyl Chloride	1.8	10
79			
80	**ACID COMPOUNDS**		
81	2-Chlorophenol	3.3	
82	2,4-Dichlorophenol	5.6	
83	2,4-Dimethylphenol	5.2	
84	4,6-Dinitro-O-Cresol	24	

CENSORING POINT FOR FORM 2C DATA

FORM 2C Order	POLLUTANT	VIRGINIA POWER DETECTION LEVEL (ug/L)	DEQ QUANTIFICATION LEVEL (ug/L)
85	2,4-Dinitrophenol	42	
86	2-Nitrophenol	3.6	
87	4-Nitrophenol	2.4	
88	P-Chloro-M-Cresol	7.5	
89	Pentachlorophenol	3.6	50
90	Phenol	2.7	10
91	2,4,6-Trichlorophenol	2.7	10
92			
93	**BASE/NEUTRAL COMPOUNDS**		
94	Acenaphthene	3	
95	Acenaphtylene	3.5	
96	Anthrancene	1.9	10
97	Benzidine	63	
98	Benzo (a) Anthrancene	7.8	10
99	Benzo (a) Pyrene	2.5	10
100	Benzofluroanthene	4.8	
101	Benzo (ghi) Perylene	4.1	
102	Benzo (b) Fluoranthene	4.8	10
103	Benzo (k) Fluoranthene	2.5	10
104	Bis (2-Chloroethoxy) Methane	5.3	
105	Bis (2-Chloroethyl) Ether	5.7	
106	Bis (2-Chloroisopropyl) Ether	5.7	
107	Bis (2-Ethylhexyl) Phthalate	2.5	10
108	4-Bromophenyl Phenyl	3	
109	Butyl Benzyl Phthalate	2.5	
110	2-Chloronaphthalene	4.6	
111	4-Chlorophenyl Phenyl	4.2	
112	Chrysene	2.5	10
113	Dibenzo (a,h) Anthracene	2.5	20
114	1,2-Dichlorobenzene	4	10
115	1,3-Dichlorobenzene	3.1	10
116	1,4-Dichlorobenzene	4.4	10
117	3,3'-Dichlorobenzidine	16.5	
118	Diethyl Phthalate	7.4	
119	Dimethyl Phthalate	7.5	
120	Di-N-Butyl Phthalate	6.4	
121	2,4-Dinitrotoluene	5.7	10
122	2,6-Dinitrotoluene	3.4	
123	Di-N-Octyl Phthalate	2.5	
124	1,2-Diphenylhydrazine (as Azobenzene)	8.8	
125	Fluoranthene	2.2	10
126	Fluorene	2.2	10
127	Hexachlorobenzene	3.1	
128	Hexachlorobutadiene	1.8	
129	Hexachlorocyclopentadiene	20	
130	Hexachloroethane	2.4	

CENSORING POINT FOR FORM 2C DATA

FORM 2C Order	POLLUTANT	VIRGINIA POWER DETECTION LEVEL (ug/L)	DEQ QUANTIFICATION LEVEL (ug/L)
131	Indeno (1,2,3-cd) Pyrene	3.7	20
132	Isophorone	5.1	10
133	Naphthalene	3.8	10
134	Nitrobenzene	4.2	
135	N-Nitrosodimethylamine	6.2	
136	N-Nitrosodi-N-Propylamine	3.6	
137	N-Nitrosdiphenylamine	2.7	
138	Phenanthrene	5.4	
139	Pyrene	3.8	10
140	1,2,4-Trichlorobenzene	7.9	
141			
142	**PESTICIDES**		
143	Aldrin	1.9	0.05
144	Alpha-BHC	3.1	
145	Lindane (Beta-BHC) [hexachlorocyclohexane	4.2	0.05
146	Gama-BHC	2.2	
147	Delta-BHC	5.2	
148	Chlordane	10	0.2
149	Chlorpyrifos	93-015	93-015
150	2,4-D	93-015	93-015
151	4,4'-DDT	5.1	0.1
152	4,4'-DDE	5.6	
153	4,4'-DDD	4.1	
154	Dieldrin	4.4	0.1
155	Demeton	93-015	93-015
156	Alpha-Endosulfan	61.7	0.1
157	Beta-Endosulfan	80.3	0.1
158	Endosulfan Sulfate	5.6	0.1
159	Endrin	5.6	0.1
160	Endrin Aldehyde	65	
161	Heptachlor	4.3	0.05
162	Heptachlor Epoxide	2.2	
163	Malathion	93-015	93-015
164	Methoxychlor	93-015	93-015
165	Mirex	93-015	93-015
166	Parathion	93-015	93-015
167	PCB-1242	50	1
168	PCB-1254	36	1
169	PCP-1221	30	1
170	PCB-1232	50	1
171	PCB-1248	50	1
172	PCB-1260	50	1
173	PCB-1016	50	1
174	Silvex (2,4,5-TP)	93-015	93-015
175	Toxaphene	50	5
176			

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CENSORING POINT FOR FORM 2C DATA

FORM 2C Order	POLLUTANT	VIRGINIA POWER DETECTION LEVEL (ug/L)	DEQ QUANTIFICATION LEVEL (ug/L)
177			
178			
179			
180			
181			
182			
183	UNKNOWN		
184	DEQ REQUIRED ONLY (NON-FORM 2C)		
185	ORGANICS		
186	INORGANICS		

NORTH ANNA POWER STATION

Revised 4/28/00

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets *(use the same format)* instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*: VAD065376279

Discharge of Condenser Cooling Water from WHTF at Dike 3

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued from page 3 of Form 2-C)*

SEE ADDENDUM FOR MORE INFO.

OUTFALL NO. 001

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

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	3. UNITS *(specify if blank)* a. CONCENTRATION	b. MASS	4. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand *(BOD)*	<2.0	ND	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
b. Chemical Oxygen Demand *(COD)*	<5.0	ND	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
c. Total Organic Carbon *(TOC)*	3.2	26,162	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
d. Total Suspended Solids *(TSS)*	<1	ND	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
e. Ammonia *(as N)*	0.06	490	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
f. Flow	VALUE 2,708		VALUE 2,708		VALUE *2 160		12	MGD	NA	VALUE NA		NA
g. Temperature *(winter)*	VALUE NA		VALUE NA		VALUE NA		NA	°C		VALUE NA		NA
h. Temperature *(summer)*	VALUE 26.9		VALUE NA		VALUE NA		1	°C		VALUE NA		NA
i. pH	MINIMUM 6.97	MAXIMUM 6.97	MINIMUM NA	MAXIMUM NA			1	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. *(if available)*	2. MARK 'X' a. BELIEVED PRESENT	b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Bromide (24959-67-9)	X		0.28	2,289	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
b. Chlorine, Total Residual		X	<0.1	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
c. Color		X	NA	NA	NA	NA	NA	NA	NA	color units	NA	NA	NA	NA
d. Fecal Coliform		X	NA	NA	NA	NA	NA	NA	NA	col/100ml	NA	NA	NA	NA
e. Fluoride (16984-48-8)		X	0.039	319	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
f. Nitrate—Nitrite *(as N)*		X	0.15	1,226	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA

CONTINUE ON REVERSE

* Long term average flow (1999) used to calculate all mass values.

ITEM V-B CONTINUED FROM FRONT

VAD065376279 NORTH ANNA POWER STATION OUTFALL 001 Revised 4/28/00

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X' a. BELIEVED PRESENT	2. MARK 'X' b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
g. Nitrogen, Total Organic (as N)	x		0.92	7,522	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
h. Oil and Grease		x	<5.0	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	x		0.02	163	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
j. Radioactivity														
(1) Alpha, Total	x		1.00	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
(2) Beta, Total	x		2.80	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
(3) Radium, Total		x	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
(4) Radium 226, Total		x	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
k. Sulfate (as SO_4) (14808-79-8)	x		5.53	45,211	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
l. Sulfide (as S)	x		0.02	163	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
m. Sulfite (as SO_3) (14265-45-3)		x	NA	NA	NA	NA	NA	NA	NA	ppm	kg/d	NA	NA	NA
n. Surfactants		x	NA	NA	NA	NA	NA	NA	NA	ppm	kg/d	NA	NA	NA
o. Aluminum, Total (7429-90-5)	x		0.252	2,060	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
p. Barium, Total (7440-39-3)	x		0.030	245	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
q. Boron, Total (7440-42-8)	x		0.02	163	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
r. Cobalt, Total (7440-48-4)		x	<0.003	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
s. Iron, Total (7439-89-6)	x		0.27	2,207	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
t. Magnesium, Total (7439-95-4)	x		1.70	13,898	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
u. Molybdenum, Total (7439-98-7)		x	<0.001	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
v. Manganese, Total (7439-96-5)	X		0.162	1,324	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
w. Tin, Total (7440-31-5)		x	<0.005	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
x. Titanium, Total (7440-32-6)	X		0.013	106	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA

CONTINUE ON PAGE V-3

NORTH ANNA POWER STATION

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
VAD065376279	001

Revised 4/28/00

Condenser Cooling Water

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a *(secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions)*, mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table *(all 7 pages)* for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			x	<0.002	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
2M. Arsenic, Total (7440-38-2)			x	<0.003	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
3M. Beryllium, Total, 7440-41-7)			x	<0.0002	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
4M. Cadmium, Total (7440-43-9)			x	<0.003	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
5M. Chromium, Total (7440-47-3)		x		0.002	16.4	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
6M. Copper, Total (7440-50-8)		x		0.004	32.7	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
7M. Lead, Total (7439-92-1)		x		0.001	8.4	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
8M. Mercury, Total (7439-97-6)			x	<0.0002	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
9M. Nickel, Total (7440-02-0)			x	<0.005	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
10M. Selenium, Total (7782-49-2)			x	<0.003	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
11M. Silver, Total (7440-22-4)			x	<0.0001	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
12M. Thallium, Total (7440-28-0)			x	<0.002	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
13M. Zinc, Total (7440-66-6)			x	<0.010	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
14M. Cyanide, Total (57-12-5)			x	<0.005	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
15M. Phenols, Total			x	<0.0027	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
DIOXIN															
2,3,7,8 Tetrachlorodibenzo-P-Dioxin (1764-01-6)			x	DESCRIBE RESULTS NA											

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

VAD065376279 NORTH ANNA POWER STATION OUTFALL 001

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION — VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			x	<0.0408	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
2V. Acrylonitrile (107-13-1)			x	<0.0015	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
3V. Benzene (71-43-2)			x	<0.0044	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
4V. Bis (Chloromethyl) Ether (542-88-1)			NA	not	required	not	required	not	required	NA	NA	NA	NA	NA	NA
5V. Bromoform (75-25-2)			x	<0.0047	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
6V. Carbon Tetrachloride (56-23-5)			x	<0.0028	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
7V. Chlorobenzene (108-90-7)			x	<0.006	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
8V. Chlorodibromomethane (124-48-1)			x	<0.0031	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
9V. Chloroethane (75-00-3)			x	<0.0011	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
10V. 2-Chloroethylvinyl Ether (110-75-8)			x	<0.0012	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
11V. Chloroform (67-66-3)			x	<0.0016	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
12V. Dichlorobromomethane (75-27-4)			x	<0.0022	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
13V. Dichlorodifluoromethane (75-71-8)			NA	not	required	not	required	not	required	NA	NA	NA	NA	NA	NA
14V. 1,1-Dichloroethane (75-34-3)			x	<0.0047	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
15V. 1,2-Dichloroethane (107-06-2)			x	<0.0028	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
16V. 1,1-Dichloroethylene (75-35-4)			x	<0.0028	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
17V. 1,2-Dichloropropane (78-87-5)			x	<0.006	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
18V. 1,3-Dichloropropylene (542-75-6)			x	<0.0009	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
19V. Ethylbenzene (100-41-4)			x	<0.0072	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
20V. Methyl Bromide (74-83-9)			x	<0.0014	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
21V. Methyl Chloride (74-87-3)			x	<0.0028	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA

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NORTH ANNA POWER STATION

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION — VOLATILE COMPOUNDS *(continued)*															
22V. Methylene Chloride (75-09-2)			x	<0.0028	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			x	<0.0069	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
24V. Tetrachloroethylene (127-18-4)			x	<0.0069	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
25V. Toluene (108-88-3)			x	<0.006	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
26V. 1,2-Trans-Dichloroethylene (156-60-5)			x	<0.0016	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
27V. 1,1,1-Trichloroethane (71-55-6)			x	<0.0038	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
28V. 1,1,2-Trichloroethane (79-00-5)			x	<0.005	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
29V. Trichloroethylene (79-01-6)			x	<0.0019	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
30V. Trichlorofluoromethane (75-69-4)			NA	not	required	not	required	not	required	NA	NA	NA	NA	NA	NA
31V. Vinyl Chloride (75-01-4)			x	<0.0018	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
GC/MS FRACTION — ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			x	<0.0033	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
2A. 2,4-Dichlorophenol (120-83-2)			x	<0.0056	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
3A. 2,4-Dimethylphenol (105-67-9)			x	<0.0052	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
4A. 4,6-Dinitro-O-Cresol (534-52-1)			x	<0.024	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
5A. 2,4-Dinitrophenol (51-28-5)			x	<0.042	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
6A. 2-Nitrophenol (88-75-5)			x	<0.0036	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
7A. 4-Nitrophenol (100-02-7)			x	<0.0024	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
8A. P-Chloro-M-Cresol (59-50-7)			x	<0.0075	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
9A. Pentachlorophenol (87-86-5)			x	<0.0036	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
10A. Phenol (108-95-2)			x	<0.0027	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
11A. 2,4,6-Trichlorophenol (88-06-2)			x	<0.0027	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			x	<0.003	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
2B. Acenaphtylene (208-96-8)			x	<0.0035	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
3B. Anthracene (120-12-7)			x	<0.0019	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
4B. Benzidine (92-87-5)			x	<0.063	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
5B. Benzo *(a)* Anthracene (56-55-3)			x	<0.0078	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
6B. Benzo *(a)* Pyrene (50-32-8)			x	<0.0025	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
7B. 3,4-Benzo-fluoranthene (205-99-2)			x	<0.0048	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
8B. Benzo *(ghi)* Perylene (191-24-2)			x	<0.0041	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
9B. Benzo *(k)* Fluoranthene (207-08-9)			x	<0.0025	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)			x	<0.0053	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
11B. Bis *(2-Chloro-ethyl)* Ether (111-44-4)			x	<0.0057	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
12B. Bis *(2-Chloroiso-propyl)* Ether (102-60-1)			x	<0.0057	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
13B. Bis *(2-Ethyl-hexyl)* Phthalate (117-81-7)			x	<0.0025	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)			x	<0.003	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
15B. Butyl Benzyl Phthalate (85-68-7)			x	<0.0025	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
16B. 2-Chloro-naphthalene (91-58-7)			x	<0.0046	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			x	<0.0042	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
18B. Chrysene (218-01-9)			x	<0.0025	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
19B. Dibenzo *(a, h)* Anthracene (53-70-3)			x	<0.0025	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
20B. 1,2-Dichloro-benzene (95-50-1)			x	<0.004	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
21B. 1,3-Dichloro-benzene (541-73-1)			x	<0.0031	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA

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NORTH ANNA POWER STATION

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS *(continued)*															
22B. 1,4-Dichlorobenzene (106-46-7)			x	<0.0044	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
23B. 3,3'-Dichlorobenzidine (91-94-1)			x	<0.0165	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
24B. Diethyl Phthalate (84-66-2)			x	<0.0074	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
25B. Dimethyl Phthalate (131-11-3)			x	<0.0075	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
26B. Di-N-Butyl Phthalate (84-74-2)			x	<0.0064	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
27B. 2,4-Dinitrotoluene (121-14-2)			x	<0.0057	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
28B. 2,6-Dinitrotoluene (606-20-2)			x	<0.0034	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
29B. Di-N-Octyl Phthalate (117-84-0)			x	<0.0025	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
30B. 1,2-Diphenylhydrazine *(as Azobenzene)* (122-66-7)			x	<0.0088	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
31B. Fluoranthene (206-44-0)			x	<0.0022	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
32B. Fluorene (86-73-7)			x	<0.0022	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
33B. Hexachlorobenzene (118-74-1)			x	<0.0031	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
34B. Hexachlorobutadiene (87-68-3)			x	<0.0018	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
35B. Hexachlorocyclopentadiene (77-47-4)			x	<0.020	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
36B. Hexachloroethane (67-72-1)			x	<0.0024	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)			x	<0.0037	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
38B. Isophorone (78-59-1)			x	<0.0051	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
39B. Naphthalene (91-20-3)			x	<0.0038	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
40B. Nitrobenzene (98-95-3)			x	<0.0042	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
41B. N-Nitrosodimethylamine (62-75-9)			x	<0.0062	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
42B. N-Nitrosodi-N-Propylamine (621-64-7)			x	<0.0036	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA

CONTINUE ON REVERSE

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS *(continued)*															
43B. N-Nitrosodiphenylamine (86-30-6)			x	<0.0027	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
44B. Phenanthrene (85-01-8)			x	<0.0054	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
45B. Pyrene (129-00-0)			x	<0.0038	NA	NA	NA	NA	NA	1		kg/d	NA	NA	NA
46B. 1,2,4-Trichlorobenzene (120-82-1)			x	<0.0079	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
GC/MS FRACTION — PESTICIDES															
1P. Aldrin (309-00-2)			x	<0.00005	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
2P. α-BHC (319-84-6)			x	<0.0031	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
3P. β-BHC (319-85-7)			x	<0.00005	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
4P. γ-BHC (58-89-9)			x	<0.0022	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
5P. δ-BHC (319-86-8)			x	<0.0052	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
6P. Chlordane (57-74-9)			x	<0.0002	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
7P. 4,4'-DDT (50-29-3)			x	<0.0001	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
8P. 4,4'-DDE (72-55-9)			x	<0.0056	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
9P. 4,4'-DDD (72-54-8)			x	<0.0041	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
10P. Dieldrin (60-57-1)			x	<0.0001	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
11P. α-Endosulfan (115-29-7)			x	<0.0617	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
12P. β-Endosulfan (115-29-7)			x	<0.0803	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
13P. Endosulfan Sulfate (1031-07-8)			x	<0.0056	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
14P. Endrin (72-20-8)			x	<0.0056	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
15P. Endrin Aldehyde (7421-93-4)			x	<0.065	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
16P. Heptachlor (76-44-8)			x	<0.0043	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA

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EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION — PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			x	<0.0022	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
18P. PCB-1242 (53469-21-9)			x	<0.001	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
19P. PCB-1254 (11097-69-1)			x	<0.001	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
20P. PCB-1221 (11104-28-2)			x	<0.001	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
21P. PCB-1232 (11141-16-5)			x	<0.001	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
22P. PCB-1248 (12672-29-6)			x	<0.001	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
23P. PCB-1260 (11096-82-5)			x	<0.001	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
24P. PCB-1016 (12674-11-2)			x	<0.001	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
25P. Toxaphene (8001-35-2)			x	<0.005	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA

NORTH ANNA POWER STATION

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PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets *(use the same format)* instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*: VAD065376279

Oil / Water Separator

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued from page 3 of Form 2-C)*

SEE ADDENDUM FOR MORE INFO.

OUTFALL NO. 104 (013, 014)

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

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	2. a. (2) MASS	2. b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	2. b. (2) MASS	2. c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	2. c. (2) MASS	2. d. NO. OF ANALYSES	3. UNITS (specify if blank) a. CONCENTRATION	3. b. MASS	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. a. (2) MASS	4. b. NO. OF ANALYSES
a. Biochemical Oxygen Demand *(BOD)*	16.92	16.9	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
b. Chemical Oxygen Demand *(COD)*	44.00	44	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
c. Total Organic Carbon *(TOC)*	24.8	24.8	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
d. Total Suspended Solids *(TSS)*	18.2	18.2	12.2	12.2	6.4	6.4	24	ppm	kg/d	NA	NA	NA
e. Ammonia *(as N)*	37.48	37.5	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
f. Flow	VALUE 0.432		VALUE 0.36		VALUE * 0.264		24	MGD	NA	VALUE NA		NA
g. Temperature *(winter)*	VALUE NA		VALUE NA		VALUE NA		NA	°C		VALUE NA		NA
h. Temperature *(summer)*	VALUE 31.7		VALUE NA		VALUE NA		1	°C		VALUE NA		NA
i. pH	MINIMUM 6.8	MAXIMUM 7.45	MINIMUM 6.8	MAXIMUM 7.45			24	STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. *(if available)*	2. MARK 'X' a. BELIEVED PRESENT	2. b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	3. a. (2) MASS	3. b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	3. b. (2) MASS	3. c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	3. c. (2) MASS	3. d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. a. (2) MASS	5. b. NO. OF ANALYSES
a. Bromide (24959-67-9)	X		8.08	8.1	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
b. Chlorine, Total Residual		X	<0.1	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
c. Color	X		60	NA	NA	NA	NA	NA	1	color units	NA	NA	NA	NA
d. Fecal Coliform		X	NA	NA	NA	NA	NA	NA	NA	col/100ml	NA	NA	NA	NA
e. Fluoride (16984-48-8)	X		0.218	0.2	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
f. Nitrate—Nitrite *(as N)*	X		3.29	3.3	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA

CONTINUE ON REVERSE

* Long term average flow (1999) used to calculate all mass values.

ITEM V-B CONTINUED FROM FRONT

VAD065376279 NORTH ANNA POWER STATION OUTFALL 104 (013, 014)

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1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	x		41.56	41.5	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
h. Oil and Grease	x		17.1	17.1	<11.05	<11.0	<6.2	<6.2	24	ppm	kg/d	NA	NA	NA
i. Phosphorus (as P), Total (7723-14-0)	x		1.39	14	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
j. Radioactivity														
(1) Alpha, Total	x		11.40	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
(2) Beta, Total	x		19.50	NA	NA	NA	NA	NA	1	pCi/L	NA	NA	NA	NA
(3) Radium, Total 228	x		1.80	NA	NA	NA	NA	NA	1	NA	NA	NA	NA	NA
(4) Radium 226, Total	x		2.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
k. Sulfate (as SO_4) (14808-79-8)	x		5.94	5.9	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
l. Sulfide (as S)		x	<0.010	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
m. Sulfite (as SO_3) (14265-45-3)		x	NA	NA	NA	NA	NA	NA	NA	ppm	kg/d	NA	NA	NA
n. Surfactants		x	<0.025	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
o. Aluminum, Total (7429-90-5)	x		19.47	19.5	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
p. Barium, Total (7440-39-3)	x		0.072	0.1	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
q. Boron, Total (7440-42-8)	x	x	0.04	0.04	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
r. Cobalt, Total (7440-48-4)		x	<0.003	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
s. Iron, Total (7439-89-6)	x		0.82	0.8	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
t. Magnesium, Total (7439-95-4)	x		5.30	5.3	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
u. Molybdenum, Total (7439-98-7)	x		0.525	0.525	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
v. Manganese, Total (7439-96-5)	x		0.097	0.097	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
w. Tin, Total (7440-31-5)		x	<0.005	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
x. Titanium, Total (7440-32-6)	x		0.034	0.03	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA

CONTINUE ON PAGE V-3

NORTH ANNA POWER STATION

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
VAD065376279	104 (013, 014)

Revised 4/28/00

Oil / Water Separator

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a *(secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions)*, mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table *(all 7 pages)* for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			x	<0.002	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
2M. Arsenic, Total (7440-38-2)		x		0.008	0.008	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
3M. Beryllium, Total, 7440-41-7)		x		0.0003	0.0003	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
4M. Cadmium, Total (7440-43-9)			x	<0.003	ND	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
5M. Chromium, Total (7440-47-3)		x		0.008	0.01	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
6M. Copper, Total (7440-50-8)		x		0.111	0.11	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
7M. Lead, Total (7439-92-1)		x		0.015	0.01	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
8M. Mercury, Total (7439-97-6)			x	<0.0002	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
9M. Nickel, Total (7440-02-0)		x		0.005	0.005	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
10M. Selenium, Total (7782-49-2)			x	<0.003	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
11M. Silver, Total (7440-22-4)		x		0.0002	0.0002	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
12M. Thallium, Total (7440-28-0)			x	<0.002	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
13M. Zinc, Total (7440-66-6)		x		0.556	0.56	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
14M. Cyanide, Total (57-12-5)			x	<0.005	NA	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
15M. Phenols, Total		x		0.84	0.84	NA	NA	NA	NA	1	ppm	kg/d	NA	NA	NA
DIOXIN															
2,3,7,8 Tetrachlorodibenzo-P-Dioxin (1764-01-6)			x	DESCRIBE RESULTS NA											

CONTINUE ON REVERSE

Revised 4/28/

VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

[X] YES *(identify the test(s) and describe their purposes below)* [ ] NO *(go to Section VIII)*

TESTING AND REPORTING HAVE BEEN CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOXICS MANAGEMENT PROGRAM CONTAINED IN THE CURRENT VPDES PERMIT FOR OUTFALL 001. A SUMMARY IS ATTACHED.

VIII. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

[X] YES *(list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)* [ ] NO *(go to Section IX)*

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
CONTROLS FOR ENVIRONMENTAL POLLUTION, INC.	P.O. BOX 5351 SANTA FE, NM 87502	(800)545-2188	RADIUM
B & W NUCLEAR ENVIRONMENTAL SERVICES, INC.	P.O. BOX 11165 LYNCHBURG, VA 24506 - 1165	(804)522-6000	ALL OUTFALL 103 PARAMETERS
PRIMARY LABORATORIES, INC	2087 DABNEY ROAD RICHMOND, VA 23230	(804)213-0831	FECAL COLIFORM Pesticides (DDT) PCBs (Method 608)

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE *(type or print)*	B. PHONE NO. *(area code & no.)*
W.R.MATTHEWS, VICE PRESIDENT - STATION MANAGER	(540) 894-2101
C. SIGNATURE: W R Matthews	D. DATE SIGNED: 3/30/00

STF ENV441F