National Aeronautics and Space Administration
Goddard Space Flight Center
Wallops Flight Facility
Wallops Island, VA 23337-5099

March 8, 2019

eply to Attn of: 250.W

Office of Drinking Water
Attn: Mr. Dixon Tucker
District Engineer
Virginia Department of Health
830 South Hampton Avenue
Norfolk, VA 23510

Subject: February 2019 Water Chlorination and Orthophosphate Reports

Ref: PWSID: 3001500 Main Base, PWSID: 3001535 Mainland/Island, NASA Wallops Flight Facility

In accordance with the Virginia Department of Health Drinking Water Regulations, please find enclosed:

1. Feb 2019 Chlorination Reports for Main Base and Island Locations (Enclosures 1 and 2)
2. Feb 2019 Orthophosphate Reports for Main Base and Island Locations (Enclosures 3 and 4)
3. Feb 2019 Chincoteague Water Readings from Main Base NASA Grid (Enclosure 5)

If you have any questions or comments concerning this report, please contact Mr. Jason Freischlag at (757) 824-2352.

Theodore J. Meyer

T.J. Meyer
Associate Chief, Medical and Environmental Management Division

5 Enclosures
cc: (w/o encls.)
227/Mr. W. Redmond
250/Mr. R. Hooks

VIRGINIA STATE DEPARTMENT
OF HEALTH
WATER CHLORINATION REPORT

No. of Connections: 206
No. of people served: 1625

Year 2019 Month February
County: Accomack
Supply: NASA Wallops Flight Facility
PWSID: 3001500 Mainbase

DATE	Residual Chlorine								Lbs. of solution injected	No. Gal. Water Treated	Comments
	North End Results			Entry Point		South End Results					
	Bldg.	Free	Total	Free	Total	Bldg.	Free	Total			
1	D-50	0.45		1.20		N-162	0.81		56	111,000	
2	D-50	0.58		1.14		N-162	0.77		40	122,000	
3	D-50	0.58		1.21		N-162	0.57		66	185,000	
4	D-50	0.54	0.66	1.20	1.42	N-162	0.71	0.69	29	82,000	
5	D-50	0.61		1.29		N-162	0.89		50	138,000	
6	D-50	0.84		1.39		N-162	0.81		54	147,000	
7	D-50	0.72		1.20		N-162	0.79		44	87,000	
8	D-50	0.71		1.08		N-162	0.73		34	137,000	
9	D-50	0.59		1.13		N-162	0.75		46	100,000	
10	D-50	0.49		1.06		N-162	0.84		70	179,000	
11	D-50	0.43	0.55	0.99	1.04	N-162	0.88	0.94	50	117,000	
12	D-50	0.44		1.11		N-162	0.86		44	100,000	
13	D-50	0.72		1.16		N-162	0.83		61	155,000	
14	D-50	0.78		1.18		N-162	0.92		60	156,000	
15	D-50	0.58		1.11		N-162	0.95		64	127,000	
16	D-50	0.65		1.04		N-162	0.79		48	119,000	
17	D-50	0.66		1.21		N-162	0.80		60	120,000	
18	D-50	0.49	0.45	1.25	1.27	N-162	0.90	0.95	39	122,000	
19	D-50	0.43		1.25		N-162	0.82		49	122,000	
20	D-50	0.32		1.22		N-162	0.87		56	137,000	
21	D-50	0.38		1.28		N-162	0.82		50	114,000	
22	D-50	0.32		1.14		N-162	0.89		52	129,000	
23	D-50	0.36		1.10		N-162	0.87		26	106,000	
24	D-50	0.44		1.11		N-162	1.08		70	170,000	
25	D-50	0.45	0.62	1.09	1.23	N-162	0.86	1.09	52	107,000	
26	D-50	0.38		1.27		N-162	1.03		40	104,000	
27	D-50	0.12		1.26		N-162	0.97		44	135,000	
28	D-50	0.67		1.01		N-162			74	165,000	
Totals		14.73	2.28	32.68	4.96		22.81	3.67	1428	3593000	
Min		0.12	0.45	0.99	1.04		0.57	0.69	26	82000	
Max		0.84	0.66	1.39	1.42		1.08	1.09	74	185000	
Ave		0.53	0.57	1.17	1.24		0.84	0.92	51	128321	

Signed: G Hall
Printed Name: George Hall

VIRGINIA STATE DEPARTMENT
OF HEALTH
WATER CHLORINATION REPORT

No. of Connections: 38
No. of people served: 400

Year 2019 Month February
County: Accomack
Supply: NASA Wallops Flight Facility
PWSID: 3001535 Mainland(Island)

DATE	Residual Chlorine								Lbs. of solution injected	No. Gal. Water Treated	Comments
	North End Results			Entry Point		South End Results					
	Bldg.	Free	Total	Free	Total	Bldg.	Free	Total			
1	W 71	1.27		2.20		Y 61	1.42		10	26,854	
2	W 71	1.34		2.20		Y 61	1.70		6	18,828	
3	W 71	1.60		2.01		Y 61	1.88		18	27,231	
4	W 71	1.71	1.83	2.03	2.19	Y 61	1.75	1.88	8	27,410	
5	W 71	1.66		>2.20		Y 61	1.53		8	19,161	
6	W 71	1.56		1.70		Y 61	1.20		10	27,299	
7	W 71	1.69		1.19		Y 61	0.98		4	18,388	
8	W 71	1.57		0.97		Y 61	1.17		10	27,729	
9	W 71	1.29		1.18		Y 61	1.03		10	20,692	
10	W 71	1.27		1.31		Y 61	1.12		16	35,808	
11	W 71	1.36	1.59	1.05	1.20	Y 61	1.20	1.36	5	18,795	
12	W 71	1.19		1.28		Y 61	1.23		11	17,992	
13	W 71	1.24		1.06		Y 61	1.15		16	27,588	
14	W 71	1.20		1.12		Y 61			3	28,313	Y61 blocked
15	W 71	1.11		1.16		Y 61	1.05		13	26,625	
16	W 71	1.03		0.93		Y 61	0.87		14	22,609	
17	W 71	0.91		0.99		Y 61	0.74		16	23,790	
18	W 71	1.14	1.22	1.14	1.35	Y 61	0.97	1.11	1	18,935	
19	W 71	0.76		1.17		Y 61	0.81		16	45,728	
20	W 71	0.83		1.29		Y 61	0.82		16	27,296	
21	W 71	1.05		1.09		Y 61			0	18,542	Y61 blocked
22	W 71	0.90		1.12		Y 61	0.84		10	36,860	
23	W 71	0.93		1.16		Y 61	0.83		10	18,758	
24	W 71	0.99		1.00		Y 61	0.77		2	29,039	
25	W 71	0.92	1.27	1.09	1.21	Y 61	0.84	0.92	8	19,238	
26	W 71	0.97		1.10		Y 61	0.95		10	26,776	
27	W 71	0.94		1.17		Y 61	0.88		14	27,660	
28	W 71	0.96		1.12		Y 61	0.91		13	39,039	
Totals		33.39	5.91	34.83	5.95		28.64	5.27	278	722983	
Min		0.76	1.22	0.93	1.20		0.74	0.92	0	17992	
Max		1.71	1.83	2.20	2.19		1.88	1.88	18	45728	
Ave		1.19	1.48	1.29	1.49		1.10	1.32	10	25821	

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VIRGINIA STATE DEPARTMENT
OF HEALTH
ORTHOPHOSPHATE REPORT

No. of Connections: 206
No. of people served: 1625

Year 2019 Month February
County: Accomack
Supply: NASA Wallops Flight Facility
PWSID: 3001500 Mainbase

	Zinc Orthophosphate										
DATE	North End Results			Entry Point		South End Results			Lbs. of solution injected	No. Gal. Water Treated	Comments
	Bldg.	Free	Total	Free	Total	Bldg.	Free	Total			
1	D-50		2.76			N-162		3.07	11	111,000	
2	D-50					N-162			8	122,000	
3	D-50					N-162			16	185,000	
4	D-50		2.90			N-162		3.36	8	82,000	
5	D-50					N-162			13	138,000	
6	D-50		3.35			N-162		3.33	11	147,000	
7	D-50					N-162			8	87,000	
8	D-50		3.19			N-162		3.31	12	137,000	
9	D-50					N-162			10	100,000	
10	D-50					N-162			14	179,000	
11	D-50		3.16			N-162		3.13	10	117,000	
12	D-50					N-162			12	100,000	
13	D-50		3.37			N-162		3.42	12	155,000	
14	D-50					N-162				156,000	
15	D-50		3.39			N-162		3.47	11	127,000	
16	D-50					N-162			64	119,000	
17	D-50					N-162			50	120,000	
18	D-50		3.12			N-162			0	122,000	
19	D-50					N-162			0	122,000	
20	D-50		3.24			N-162		3.61	0	137,000	
21	D-50					N-162			0	114,000	
22	D-50		>5.0			N-162		3.73	0	129,000	
23	D-50					N-162			0	106,000	
24	D-50		>5.0			N-162		>5.0	0	170,000	
25	D-50					N-162			0	107,000	
26	D-50					N-162			0	104,000	
27	D-50		>5.0			N-162		>5.0	0	135,000	
28	D-50					N-162			0	165,000	
Totals		0.00	28.48				0.00	30.43	270.00	3593000	
Min		0.00	2.76				0.00	3.07	0.00	82000	
Max		0.00	3.39				0.00	3.73	64.00	185000	
Ave		#DIV/0!	3.16				#DIV/0!	3.38	10.00	128321	

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VIRGINIA STATE DEPARTMENT
OF HEALTH
ORTHOPHOSPHATE REPORT

No. of Connections: 38
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Year 2019 Month February
County: Accomack
Supply: NASA Wallops Flight Facility
PWSID: 3001535 Mainland(Island)

	Zinc Orthophosphate										
DATE	North End Results			Entry Point		South End Results			Lbs. of solution injected	No. Gal. Water Treated	Comments
	Bldg.	Free	Total	Free	Total	Bldg.	Free	Total			
1	W-71		2.98			Y-61		3.31	4	26,854	
2	W-71					Y-61			2	18,828	
3	W-71					Y-61			2	27,231	
4	W-71		3.11			Y-61		2.80	4	27,410	
5	W-71					Y-61			1	19,161	
6	W-71		2.85			Y-61		2.64	3	27,299	
7	W-71					Y-61			2	18,388	
8	W-71		2.88			Y-61		2.77	2	27,729	
9	W-71					Y-61			3	20,692	
10	W-71					Y-61			3	35,808	
11	W-71		3.05			Y-61		2.50	2	18,795	
12	W-71					Y-61			1	17,992	
13	W-71		2.91			Y-61		3.37	3	27,588	
14	W-71					Y-61			3	28,313	
15	W-71		2.82			Y-61		3.29	3	26,625	
16	W-71					Y-61			2	22,609	
17	W-71					Y-61			1	23,790	
18	W-71		3.15			Y-61		3.16	1	18,935	
19	W-71					Y-61			3	45,728	
20	W-71		2.97			Y-61		3.11	3	27,296	
21	W-71					Y-61			2	18,542	
22	W-71		2.86			Y-61		2.86	3	36,860	
23	W-71					Y-61			2	18,758	
24	W-71					Y-61			4	29,039	
25	W-71		3.09			Y-61		3.26	2	19,238	
26	W-71					Y-61			2	26,776	
27	W-71		>5.0			Y-61		3.33	2	27,660	
28	W-71					Y-61			3	39,039	
Totals		0.00	32.67				0.00	36.40	68.00	722983	
Min		0.00	2.82				0.00	2.50	1.00	17992	
Max		0.00	3.15				0.00	3.37	4.00	45728	
Ave		#DIV/0!	2.97				#DIV/0!		2.43	25821	

Signed: G Hall
Printed Name: Gene Hall

February 2019 Chincoteague Water Readings / from NASA grid		
Date	Current reading	gallons used
February 7th	59,158,000	476,000
February 14th	59,684,000	526,000
February 21st	No reading	No reading
February 28th	60,692,000	1,008,000
February total		**2,010,000**