

Town of Hanover
THM Compliance Analysis

Date	Location	Total Trihalomethanes (TTHM's)	Locational Running Average	Compliance Note
<u>Washington Street - Assinippi - northeast Hanover Test Site</u>				
12/3/2013	2055 Washington Street - Computer Center	51.6		
3/18/2014	2055 Washington Street - Computer Center	26.3		
6/10/2014	2055 Washington Street - Computer Center	84.2		
9/23/2014	2055 Washington Street - Computer Center	44.5	51.7	
12/30/2014	2055 Washington Street - Computer Center	77.7	58.2	
3/3/2015	2055 Washington Street - Computer Center	30.6	59.3	
6/5/2015	2055 Washington Street - Computer Center	65.7	54.6	
9/10/2015	2055 Washington Street - Computer Center	46.6	55.2	
12/1/2015	2055 Washington Street - Computer Center	45.6	47.1	
3/1/2016	2055 Washington Street - Computer Center	68.6	56.6	
6/7/2016	2055 Washington Street - Computer Center	9	42.5	
9/7/2016	2055 Washington Street - Computer Center	21	36.1	
12/9/2016	2055 Washington Street - Computer Center	46.5	36.3	
3/7/2017	2055 Washington Street - Computer Center	20.6	24.3	
6/7/2017	2060 Washington Street - Prime Infinity	9.5	24.4	
9/6/2017	2060 Washington Street - Prime Infinity	7.7	21.1	
12/6/2017	2060 Washington Street - Prime Infinity	70	27.0	
3/7/2018	2060 Washington Street - Prime Infinity	56	35.8	
6/6/2018	2060 Washington Street - Prime Infinity	103	59.2	
9/6/2018	2060 Washington Street - Prime Infinity	104	83.3	non-compliant
9/13/2018	2060 Washington Street - Prime Infinity	73	N/A	special sample
12/4/2018	2060 Washington Street - Prime Infinity	73	84.0	non-compliant
1/31/2019	2060 Washington Street - Prime Infinity	42	N/A	special sample
3/5/2019	2060 Washington Street - Prime Infinity	22	75.5	
6/4/2019	2060 Washington Street - Prime Infinity	72	60.0	

Note: the 6/6/18 and 9/6/19 abnormally high results were the results of a gate valve that was inadvertently left shut. Once opened the tests results returned to their normal state.

Rockland Street - Near Broadway Plant Test Site

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Date	Location	Total Trihalomethanes (TTHM's)	Locational Running Average	Compliance Note
12/3/2013	33 Rockland St - Hanover Fitness	74.2		
3/18/2014	33 Rockland St - Hanover Fitness	74.3		
6/10/2014	33 Rockland St - Hanover Fitness	40.3		
9/23/2014	33 Rockland St - Hanover Fitness	80.5	67.3	
12/30/2014	33 Rockland St - Hanover Fitness	57	63.0	
3/3/2015	33 Rockland St - Hanover Fitness	7.9	46.4	
6/5/2015	33 Rockland St - Hanover Fitness	76.6	55.5	
9/10/2015	33 Rockland St - Hanover Fitness	8	37.4	
12/1/2015	33 Rockland St - Hanover Fitness	33.1	31.4	
3/1/2016	33 Rockland St - Hanover Fitness	23.4	35.3	
6/7/2016	33 Rockland St - Hanover Fitness	38.3	25.7	
9/7/2016	33 Rockland St - Hanover Fitness	47	35.5	
12/9/2016	33 Rockland St - Hanover Fitness	29.4	34.5	
3/7/2017	33 Rockland St - Hanover Fitness	26.7	35.4	
6/7/2017	33 Rockland St - Hanover Fitness	6.1	27.3	
9/6/2017	33 Rockland St - Hanover Fitness	17.6	20.0	
12/6/2017	33 Rockland St - Hanover Fitness	22	18.1	
3/7/2018	33 Rockland St - Hanover Fitness	21	16.7	
6/7/2018	33 Rockland St - Hanover Fitness	72	33.2	
9/6/2018	33 Rockland St - Hanover Fitness	103	54.5	
9/13/2018	24 Rockland St - Retest of 33 Rockland St)	13	N/A	special sample
12/4/2018	24 Rockland St - #8	13	52.3	
3/5/2019	24 Rockland St - #8	25	53.3	
6/4/2019	24 Rockland St - #8	27	42.0	

70 Ponderosa Drive - Northeast Corner of Town Test Site

3/4/2002	70 Ponderosa Drive	80		
5/7/2002	70 Ponderosa Drive	110		
9/10/2002	70 Ponderosa Drive	72.5		
11/26/2002	70 Ponderosa Drive	87.1	92.4	see note below
3/4/2003	70 Ponderosa Drive	66.1	82.2	see note below

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Date	Location	Total Trihalomethanes (TTHM's)	Locational Running Average	Compliance Note
4/15/2003	70 Ponderosa Drive	68.8	84.6	see note below
7/1/2003	70 Ponderosa Drive	55.2	70.2	
10/14/2003	70 Ponderosa Drive	64.7	71.7	
3/2/2004	70 Ponderosa Drive	66	64.0	
6/2/2004	70 Ponderosa Drive	103	72.9	
8/17/2004	70 Ponderosa Drive	63.3	62.3	
10/19/2004	70 Ponderosa Drive	70.6	76.1	
3/15/2005	70 Ponderosa Drive	34.7	66.8	
5/3/2005	70 Ponderosa Drive	45.9	70.7	
7/12/2005	70 Ponderosa Drive	63.7	58.1	
12/5/2005	70 Ponderosa Drive	47.5	49.7	
2/7/2006	70 Ponderosa Drive	37.2	45.4	
5/1/2006	70 Ponderosa Drive	32.2	47.3	
8/14/2006	70 Ponderosa Drive	72.6	55.3	
11/29/2006	70 Ponderosa Drive	58.5	43.9	
1/4/2007	70 Ponderosa Drive	56.9	49.7	
4/5/2007	70 Ponderosa Drive	59.8	55.8	
7/10/2007	70 Ponderosa Drive	44.9	58.2	
8/21/2007	70 Ponderosa Drive	62.4	56.5	
10/2/2007	70 Ponderosa Drive	43.9	53.6	
1/22/2008	70 Ponderosa Drive	38.2	49.8	
4/8/2008	70 Ponderosa Drive	48.7	47.6	
7/15/2008	70 Ponderosa Drive	73.4	53.3	
10/28/2008	70 Ponderosa Drive	56.4	54.2	
2/7/2009	70 Ponderosa Drive	48.1	56.7	
6/17/2009	70 Ponderosa Drive	77.1	63.8	
7/28/2009	70 Ponderosa Drive	108	72.4	
11/30/2009	70 Ponderosa Drive	62.2	73.9	
2/23/2010	70 Ponderosa Drive	41.4	72.2	
6/8/2010	70 Ponderosa Drive	84.5	74.0	
8/10/2010	70 Ponderosa Drive	68.7	64.2	
11/2/2010	70 Ponderosa Drive	93.6	72.1	
3/22/2011	70 Ponderosa Drive	83.5	82.6	see note below
6/15/2011	70 Ponderosa Drive	104	87.5	see note below
8/23/2011	70 Ponderosa Drive	108	97.3	see note below

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Date	Location	Total Trihalomethanes (TTHM's)	Locational Running Average	Compliance Note
12/19/2011	70 Ponderosa Drive	120	103.9	see note below
3/13/2012	70 Ponderosa Drive	69.4	100.4	see note below
6/5/2012	70 Ponderosa Drive	109	101.6	see note below
9/18/2012	70 Ponderosa Drive	104	100.6	see note below
11/6/2012	70 Ponderosa Drive	93.2	93.9	see note below
3/26/2013	70 Ponderosa Drive	85.5	97.9	see note below
5/6/2013	70 Ponderosa Drive	84.6	91.8	see note below
9/17/2013	70 Ponderosa Drive	168	107.8	see note below
12/3/2013	70 Ponderosa Drive	79.4	104.4	Federal Rules Changed
3/18/2014	70 Ponderosa Drive	51	95.8	
6/17/2014	70 Ponderosa Drive	78	94.1	
9/23/2014	70 Ponderosa Drive	73.4	70.5	Locational Running Average kicked in
12/30/2014	70 Ponderosa Drive	86.3	72.2	
3/3/2015	70 Ponderosa Drive	80	79.4	
6/5/2015	70 Ponderosa Drive	97.5	84.3	non-compliant
9/10/2015	70 Ponderosa Drive	82.7	86.6	non-compliant
12/1/2015	70 Ponderosa Drive	58.7	79.7	
3/1/2016	70 Ponderosa Drive	64.8	75.9	
6/7/2016	70 Ponderosa Drive	83.6	72.5	
9/7/2016	70 Ponderosa Drive	81.6	72.2	
12/9/2016	70 Ponderosa Drive	72.8	75.7	
3/7/2017	70 Ponderosa Drive	46.8	71.2	
6/7/2017	70 Ponderosa Drive	94.9	74.0	
9/6/2017	70 Ponderosa Drive	88	75.6	
12/6/2017	70 Ponderosa Drive	59	72.2	
3/7/2018	70 Ponderosa Drive	51	73.2	
6/6/2018	70 Ponderosa Drive	93	72.8	
9/6/2018	70 Ponderosa Drive	102	76.3	
9/13/2018	70 Ponderosa Drive (retest)	137	N/A	special sample
12/4/2018	70 Ponderosa Drive	117	90.8	non-compliant
3/5/2019	70 Ponderosa Drive	52	91.0	non-compliant
6/4/2019	70 Ponderosa Drive	80	87.8	non-compliant

From 3/22/11-6/17/14 the test results for 70 Ponderosa were compliant with the Federal rules in effect at the time (Stage I Disinfection Byproduct Rule)

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Date	Location	Total Trihalomethanes (TTHM's)	Locational Running Average	Compliance Note
	but not with the current rules (Stage 2 DBP Rule). The rules switched from a systemwide average to a locational running average with quarterly samples starting in October of 2013.			

Hanover Fire Station #2 - 925 Circuit Street - West Side of Town Test Site

3/4/2002	925 Circuit St - HFD #3	61.3		
5/7/2002	925 Circuit St - HFD #3	48		
9/10/2002	925 Circuit St - HFD #3	36.4		
11/26/2002	925 Circuit St - HFD #3	56.5	50.6	
3/4/2003	925 Circuit St - HFD #3	29.6	42.6	
4/15/2003	925 Circuit St - HFD #3	40.6	40.8	
7/1/2003	925 Circuit St - HFD #3	17.7	36.1	
10/14/2003	925 Circuit St - HFD #3	59.6	36.9	
3/2/2004	925 Circuit St - HFD #3	40.7	39.7	
6/2/2004	925 Circuit St - HFD #3	79.1	49.3	
8/17/2004	925 Circuit St - HFD #3	50.3	57.4	
10/19/2004	925 Circuit St - HFD #3	65.4	58.9	
3/15/2005	925 Circuit St - HFD #3	30	56.2	
5/3/2005	925 Circuit St - HFD #3	41.2	46.7	
7/12/2005	925 Circuit St - HFD #3	58.2	48.7	
12/5/2005	925 Circuit St - HFD #3	39.5	42.2	
2/7/2006	925 Circuit St - HFD #3	35.6	43.6	
5/1/2006	925 Circuit St - HFD #3	26.7	40.0	
8/14/2006	925 Circuit St - HFD #3	39.6	35.4	
11/29/2006	925 Circuit St - HFD #3	45.6	36.9	
1/4/2007	925 Circuit St - HFD #3	52	41.0	
4/5/2007	925 Circuit St - HFD #3	57.9	48.8	
7/10/2007	925 Circuit St - HFD #3	33.8	47.3	
8/21/2007	925 Circuit St - HFD #3	46.6	47.2	
10/2/2007	925 Circuit St - HFD #3	32.1	44.5	
1/22/2008	925 Circuit St - HFD #3	36	41.3	
4/8/2008	925 Circuit St - HFD #3	36.5	37.0	

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Date	Location	Total Trihalomethanes (TTHM's)	Locational Running Average	Compliance Note
7/15/2008	925 Circuit St - HFD #3	64.5	43.1	
10/28/2008	925 Circuit St - HFD #3	44.5	45.4	
2/7/2009	925 Circuit St - HFD #3	41	46.6	
6/17/2009	925 Circuit St - HFD #3	58.4	52.1	
7/28/2009	925 Circuit St - HFD #3	75.9	55.0	
11/30/2009	925 Circuit St - HFD #3	39.9	53.8	
2/23/2010	925 Circuit St - HFD #3	46.4	55.2	
6/8/2010	925 Circuit St - HFD #3	50.1	53.1	
8/10/2010	925 Circuit St - HFD #3	72.6	52.3	
11/2/2010	925 Circuit St - HFD #3	80.3	62.4	
3/22/2011	925 Circuit St - HFD #3	76	69.8	
6/15/2011	925 Circuit St - HFD #3	80.2	77.3	
8/23/2011	925 Circuit St - HFD #3	71.2	76.9	
12/19/2011	925 Circuit St - HFD #3	89.8	79.3	
3/13/2012	925 Circuit St - HFD #3	67.6	77.2	
6/5/2012	925 Circuit St - HFD #3	106	83.7	see note below
9/18/2012	925 Circuit St - HFD #3	92.2	88.9	see note below
11/6/2012	925 Circuit St - HFD #3	77	85.7	see note below
3/26/2013	925 Circuit St - HFD #3	46.9	80.5	see note below
5/6/2013	925 Circuit St - HFD #3	60.2	69.1	
9/17/2013	925 Circuit St - HFD #3	108	73.0	
12/3/2013	925 Circuit St - HFD #3	67.8	70.7	Federal Rules Changed
3/18/2014	925 Circuit St - HFD #3	39.7	68.9	
6/10/2014	925 Circuit St - HFD #3	46.2	65.4	
9/23/2014	925 Circuit St - HFD #3	53.3	51.8	Locational Running Average kicked in
12/30/2014	925 Circuit St - HFD #3	72.4	52.9	
3/3/2015	925 Circuit St - HFD #3	77.2	62.3	
6/5/2015	925 Circuit St - HFD #3	42.1	61.3	
9/10/2015	925 Circuit St - HFD #3	34.8	56.6	
12/1/2015	925 Circuit St - HFD #3	40.9	48.8	
3/1/2016	925 Circuit St - HFD #3	36.7	38.6	
6/7/2016	925 Circuit St - HFD #3	51.2	40.9	
9/7/2016	925 Circuit St - HFD #3	51.8	45.2	
12/9/2016	925 Circuit St - HFD #3	38.1	44.5	
3/7/2017	925 Circuit St - HFD #3	41.3	45.6	

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Date	Location	Total Trihalomethanes (TTHM's)	Locational Running Average	Compliance Note
6/7/2017	925 Circuit St - HFD #3	74.2	51.4	
9/6/2017	925 Circuit St - HFD #3	51.4	51.3	
12/6/2017	925 Circuit St - HFD #3	48	53.7	
3/7/2018	925 Circuit St - HFD #3	40	53.4	
6/6/2018	925 Circuit St - HFD #3	98	59.4	
9/6/2018	925 Circuit St - HFD #3	103	72.3	
9/13/2018	925 Circuit St - HFD #3	127	N/A	special sample
12/4/2018	925 Circuit St - HFD #3	107	87.0	non-compliant
3/5/2019	925 Circuit St - HFD #3	37	86.3	non-compliant
6/4/2019	925 Circuit St - HFD #3	53	75.0	

From 6/5/12-3/26/13 the test results for HFD #3 were compliant with the Federal rules in effect at the time (Stage I Disinfection Byproduct Rule) but not with the current rules (Stage 2 DBP Rule)
 The rules switched from a systemwide average to a locational running average with quarterly samples starting in October of 2013.