

**UV Photometer P254C**  
**UV % Transmittance Meter Field Data**  
**Meadowbrook Limestone WWTP Effluent 2014**

**Pre -Polymer Addition**

Test times are approximate.

	UV %	UV %	UV %	UV %
	0800 hrs	1000 hrs	1300 hrs	Avg
9-Jul			77	77.0
10-Jul	63	79	78	73.3
11-Jul	79	80	78	79.0
14-Jul	83	80	78	80.3
15-Jul	78	75	78	77.0
16-Jul	80	75	78	77.7
17-Jul	80	78	76	78.0
18-Jul	80	78	78	78.7
21-Jul	81	79	78	79.3
22-Jul	84	76	76	78.7
23-Jul	78	78	77	77.7
24-Jul	78	77	78	77.7
25-Jul	78	79	79	78.7
<b>Average</b>	<b>78.5</b>	<b>77.8</b>	<b>77.6</b>	<b>77.9</b>

**With Polymer Addition**

Test times are approximate.

	UV %	UV %	UV %	UV %
	0800 hrs	1000 hrs	1300 hrs	Avg
21-Aug	85	83	83	83.7
22-Aug	Excluded due to high flows			
25-Aug	87	82	85	84.7
26-Aug	82	84	86	84.0
27-Aug	86	85	78	83.0
28-Aug	84	82	87	84.3
29-Aug	85	82	84	83.7
2-Sep	81	82	81	81.3
3-Sep	80	81	81	80.7
4-Sep	81	83	86	83.3
5-Sep	83	84	82	83.0
<b>Average</b>	<b>83.4</b>	<b>82.8</b>	<b>83.3</b>	<b>83.2</b>

	Max mgd	Avg mgd
22-Aug	High Flows	24.04
		13.04

**Meadowbrook Limestone WWTP Effluent 2014  
Secchi Disk Readings**

**Pre -Polymer Addition**

Test times are approximate.

	meters	meters	meters	meters
	0800 hrs	1000 hrs	1300 hrs	Avg
11-Aug	1.6	1.7	1.5	1.6
12-Aug	1.8	1.8	1.8	1.8
13-Aug	1.6	1.5	1.5	1.5
14-Aug	1.8	1.8	1.7	1.8
15-Aug	1.7	1.7	1.7	1.7
<b>Average</b>	<b>1.7</b>	<b>1.7</b>	<b>1.6</b>	<b>1.7</b>

**With Polymer Addition**

Test times are approximate.

	meters	meters	meters	meters
	0800 hrs	1000 hrs	1300 hrs	Avg
21-Aug	2.5	2	1.9	2.1
<b>22-Aug</b>	<b>Excluded due to high flows</b>			
25-Aug	2.0	1.8	2.1	2.0
26-Aug	2.1	1.9	2.2	2.1
27-Aug	2.2	2.2	2.2	2.2
28-Aug	2.6	1.7	2.4	2.2
29-Aug	2.0	2.0	2.0	2.0
2-Sep	1.5	1.6	1.6	1.6
3-Sep	1.4	1.5	1.5	1.5
4-Sep	2.0	2.0	1.8	1.9
5-Sep	2.4	2.3	2.1	2.3
<b>Average</b>	<b>2.1</b>	<b>1.9</b>	<b>2.0</b>	<b>2.0</b>

		Max mgd	Avg mgd
<b>22-Aug</b>	High Flows	24.04	13.04

**Meadowbrook Limestone WWTP Effluent 2014  
TSS and SS Results**

**Pre -Polymer Addition**

Date	Settleable Solids (ml/l)	TSS (mg/l)
7/20/2014	0.1	
7/21/2014	0.1	6
7/22/2014	0.1	
7/23/2014	0.1	6
7/24/2014	0.1	
7/25/2014	0.1	
7/26/2014	0.1	
7/27/2014	0.1	
7/28/2014	0.1	8
7/29/2014	0.1	
7/30/2014	0.1	9
7/31/2014	0.1	
8/1/2014	0.1	
8/2/2014	0.1	
8/3/2014	0.1	
8/4/2014	0.1	5
8/5/2014	0.1	
8/6/2014	0.1	5
8/7/2014	0.1	
8/8/2014	0.1	
8/9/2014	0.1	
8/10/2014	0.1	
8/11/2014	0.1	<5
8/12/2014	0.1	
8/13/2014	0.1	6
8/14/2014	0.1	
8/15/2014	0.1	
8/16/2014	0.1	
8/17/2014	0.1	
8/18/2014	0.1	5
8/19/2014	0.1	
<b>Average</b>	<b>0.1</b>	<b>6.1</b>

**With Polymer Addition**

Date	Settleable Solids (ml/l)	TSS (mg/l)
8/20/2014	0.1	7
8/21/2014	0.1	
8/22/2014	0.1	
8/23/2014	0.1	
8/24/2014	0.1	
8/25/2014	0.1	<5
8/26/2014	0.1	
8/27/2014	0.1	<5
8/28/2014	0.1	
8/29/2014	0.1	
8/30/2014	0.1	
8/31/2014	0.1	
9/1/2014	0.1	5
9/2/2014	0.1	
9/3/2014	0.1	<5
9/4/2014	0.1	
9/5/2014	0.1	
<b>Average</b>	<b>0.1</b>	<b>5.4</b>