



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208



Foulkes Utilities (SI Glenwood)  
Attn: Charles Foulkes  
1114 S. 13th Street  
St. Charles IL, 60174

### Laboratory Results

Date Received: 04/07/10 09:15  
Report Date: 5/5/2010  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School  
Permit Number:

Sample No: 0D07003-01      Collect Date: 04/06/10 11:30  
Client ID: Foulkes Utilities (SI Glenwood)      Site: Vault # 1 Glenwood

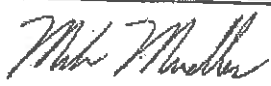
Parameter	Result	Analysis Date	Qualifier	Analyst
pH, Electrometric by EPA Method 150.1				
pH	7.35 pH Units	04/07/10		PJ
Nitrite as N by EPA Method 300.0 Rev. 2.1				
Nitrite as N	< 0.10 mg/L	04/07/10		KL
Nitrate as N by EPA Method 300.0 Rev. 2.1				
Nitrate as N	1.83 mg/L	04/07/10		KL
Sulfate by EPA Method 300.0 Rev. 2.1				
Sulfate	12.3 mg/L	05/03/10		KL
Chloride by LACHAT 10-117-07-1-A				
Chloride	28.3 mg/L	04/21/10		PJ
Nitrogen Ammonia, SM4500-NH3 G.				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	04/09/10		PJ
Residue, Filterable, Dried at 180 C by SM 2540 C.				
Total Dissolved Solids	467.0 mg/L	04/19/10		PJ

Sample No: 0D07003-02      Collect Date: 04/06/10 11:30  
Client ID: Foulkes Utilities (SI Glenwood)      Site: Vault # 2 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
pH, Electrometric by EPA Method 150.1				
pH	7.24 pH Units	04/07/10		PJ
Nitrite as N by EPA Method 300.0 Rev. 2.1				

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State of Illinois Accreditation of Environmental Laboratories, NELAC accredited Laboratory No. 100279  
State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17556  
McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:   
Mark Mueller, Project Manager



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Sample No: 0D07003-02	Collect Date: 04/06/10 11:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	04/07/10		KL
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.90 mg/L	04/07/10		KL
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	17.6 mg/L	05/03/10		KL
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	19.3 mg/L	04/21/10		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	04/09/10		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	433.0 mg/L	04/19/10		PJ

Sample No: 0D07003-03	Collect Date: 04/06/10 11:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.31 pH Units	04/07/10		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	04/07/10		KL
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.68 mg/L	04/07/10		KL
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	12.6 mg/L	05/03/10		KL
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	31.0 mg/L	04/21/10		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				

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Certified by:

Mark Mueller, Project Manager



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Sample No: <b>0D07003-03</b>	Collect Date: <b>04/06/10 11:30</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 3 Glenwood</b>

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	04/09/10		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	267.0 mg/L	04/19/10		PJ

Sample No: <b>0D07003-04</b>	Collect Date: <b>04/06/10 11:30</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 4 Glenwood</b>

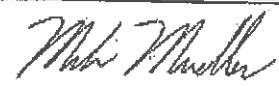
Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.25 pH Units	04/07/10		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	04/07/10		KL
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.80 mg/L	04/07/10		KL
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	17.3 mg/L	05/03/10		KL
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	18.8 mg/L	04/21/10		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	04/09/10		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	367.0 mg/L	04/19/10		PJ

### Qualifiers

- S Due to high ion concentrations and peak shouldering, not able to calculate MS and or MSD for this analyte.
- E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.

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 Mark Mueller, Project Manager



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Foulkes Utilities (SI Glenwood)  
Attn: Charles Foulkes  
1114 S. 13th Street  
St. Charles IL, 60174

## Laboratory Results

Date Received: 07/07/10 09:30  
Report Date: 8/23/2010  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School  
Permit Number:

Sample No: 0G07003-01      Collect Date: 07/06/10 10:30  
Client ID: Foulkes Utilities (SI Glenwood)      Site: Vault # 1 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
pH, Electrometric by EPA Method 150.1				
pH	7.27 pH Units	07/07/10		KF
Nitrite as N by EPA Method 300.0 Rev. 2.1				
Nitrite as N	< 0.10 mg/L	07/07/10		KL
Nitrate as N by EPA Method 300.0 Rev. 2.1				
Nitrate as N	1.21 mg/L	07/07/10		KL
Sulfate by EPA Method 300.0 Rev. 2.1				
Sulfate	27.3 mg/L	07/13/10		KL
Chloride by LACHAT 10-117-07-1-A				
Chloride	133 mg/L	07/21/10		PJ
Nitrogen Ammonia, SM4500-NH3 G.				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	07/09/10		PJ
Residue, Filterable, Dried at 180 C by SM 2540 C.				
Total Dissolved Solids	600.0 mg/L	07/13/10		KF

Sample No: 0G07003-02      Collect Date: 07/06/10 10:30  
Client ID: Foulkes Utilities (SI Glenwood)      Site: Vault # 2 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
pH, Electrometric by EPA Method 150.1				
pH	7.48 pH Units	07/07/10		KF
Nitrite as N by EPA Method 300.0 Rev. 2.1				

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State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17566  
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Sample No: <b>0G07003-02</b>	Collect Date: <b>07/06/10 10:30</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 2 Glenwood</b>

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	07/07/10		KL
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.50 mg/L	07/07/10		KL
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	29.0 mg/L	07/13/10		KL
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	56.5 mg/L	07/21/10		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.11 mg/L	07/09/10		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	467.0 mg/L	07/13/10		KF

Sample No: <b>0G07003-03</b>	Collect Date: <b>07/06/10 10:30</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 3 Glenwood</b>

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.10 pH Units	07/07/10		KF
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	07/07/10		KL
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.28 mg/L	07/07/10		KL
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	30.1 mg/L	07/13/10		KL
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	132 mg/L	07/21/10		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				

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Sample No: <b>0G07003-03</b>	Collect Date: <b>07/06/10 10:30</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 3 Glenwood</b>

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	07/09/10		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	633.0 mg/L	07/13/10		KF

Sample No: <b>0G07003-04</b>	Collect Date: <b>07/06/10 10:30</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 4 Glenwood</b>

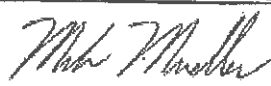
Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.06 pH Units	07/07/10		KF
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	07/07/10		KL
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	< 0.16 mg/L	07/07/10		KL
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	20.9 mg/L	07/13/10		KL
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	29.3 mg/L	07/21/10		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.08 mg/L	07/09/10		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	400.0 mg/L	07/13/10		KF

### Qualifiers

- S Due to high ion concentrations and peak shouldering, not able to calculate MS and or MSD for this analyte.
- E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.

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## Laboratory Results

Foulkes Utilities (SI Glenwood)  
Attn: Charles Foulkes  
1114 S. 13th Street  
St. Charles IL, 60174

Date Received: 10/05/10 10:50  
Report Date: 11/1/2010  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School  
Permit Number:

Sample No: 0J05005-01	Collect Date: 10/04/10 10:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 1 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.73 pH Units	10/05/10	H	KF
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	10/05/10		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.78 mg/L	10/05/10		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	26.3 mg/L	10/25/10		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	140 mg/L	10/27/10		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.25 mg/L	10/08/10		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	567.0 mg/L	10/11/10		KF

Sample No: 0J05005-02	Collect Date: 10/04/10 10:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.81 pH Units	10/05/10	H	KF
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				

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Sample No: 0J05005-02	Collect Date: 10/04/10 10:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	10/05/10		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.58 mg/L	10/05/10		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	38.0 mg/L	10/25/10		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	34.3 mg/L	10/27/10		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	10/08/10		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	167.0 mg/L	10/11/10		KF

Sample No: 0J05005-03	Collect Date: 10/04/10 10:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.61 pH Units	10/05/10	H	KF
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	10/05/10		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.76 mg/L	10/05/10		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	26.2 mg/L	10/25/10		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	138 mg/L	10/27/10		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				

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Sample No: <b>0J05005-03</b>	Collect Date: <b>10/04/10 10:00</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 3 Glenwood</b>

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.02 mg/L	10/08/10		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	567.0 mg/L	10/11/10		KF

Sample No: <b>0J05005-04</b>	Collect Date: <b>10/04/10 10:00</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 4 Glenwood</b>


Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.63 pH Units	10/05/10	H	KF
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	10/05/10		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	< 0.22 mg/L	10/05/10		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	30.0 mg/L	10/26/10		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	40.9 mg/L	10/27/10		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.16 mg/L	10/08/10		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	400.0 mg/L	10/11/10		KF

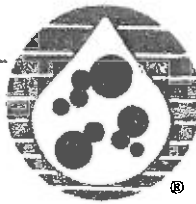
### Qualifiers

- H This test was performed after expiration of the appropriate regulatory/advisory "hold time"
- E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.
- D DUP associated with analytical batch failed to meet acceptance criteria of < 20% RPD.

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 State of Illinois Accreditation of Environmental Laboratories, NELAC accredited Laboratory No. 100279  
 State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17556  
 McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:   
 Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208



## Laboratory Results

Foulkes Utilities (SI Glenwood)  
Attn: Charles Foulkes  
1114 S. 13th Street  
St. Charles IL, 60174

Date Received: 01/07/11 09:15  
Report Date: 2/7/2011  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School  
Permit Number:

Sample No: 1A07006-01      Collect Date: 01/06/11 11:00  
Client ID: Foulkes Utilities (SI Glenwood)      Site: Vault # 1 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
pH, Electrometric by EPA Method 150.1				
pH	8.04 pH Units	01/07/11		KF
Nitrite as N by EPA Method 300.0 Rev. 2.1				
Nitrite as N	< 0.10 mg/L	01/08/11		KF
Nitrate as N by EPA Method 300.0 Rev. 2.1				
Nitrate as N	1.44 mg/L	01/08/11		KF
Sulfate by EPA Method 300.0 Rev. 2.1				
Sulfate	23.0 mg/L	01/24/11		KF
Chloride by LACHAT 10-117-07-1-A				
Chloride	128 mg/L	01/12/11		PJ
Nitrogen Ammonia, SM4500-NH3 G.				
Nitrogen Ammonia by SM4500NH3	0.05 mg/L	01/14/11		PJ
Residue, Filterable, Dried at 180 C by SM 2540 C.				
Total Dissolved Solids	533.0 mg/L	01/11/11		KF

Sample No: 1A07006-02      Collect Date: 01/06/11 11:00  
Client ID: Foulkes Utilities (SI Glenwood)      Site: Vault # 2 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
pH, Electrometric by EPA Method 150.1				
pH	7.94 pH Units	01/07/11		KF
Nitrite as N by EPA Method 300.0 Rev. 2.1				

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McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208



Sample No: 1A07006-02	Collect Date: 01/06/11 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	2.62 mg/L	01/08/11		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	3.07 mg/L	01/08/11		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	78.2 mg/L	01/25/11	E	KF
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	19.8 mg/L	01/12/11		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.11 mg/L	01/14/11		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	567.0 mg/L	01/11/11		KF

Sample No: 1A07006-03	Collect Date: 01/06/11 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.86 pH Units	01/07/11		KF
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	01/08/11		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.47 mg/L	01/08/11		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	22.8 mg/L	01/24/11		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	126 mg/L	01/12/11		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				

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 Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
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Sample No: 1A07006-03	Collect Date: 01/06/11 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.08 mg/L	01/14/11		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	567.0 mg/L	01/11/11		KF

Sample No: 1A07006-04	Collect Date: 01/06/11 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.84 pH Units	01/07/11		KF
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	01/08/11		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.57 mg/L	01/08/11		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	42.5 mg/L	01/25/11		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	36.2 mg/L	01/12/11		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.12 mg/L	01/14/11		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	500.0 mg/L	01/11/11		KF

### Qualifiers

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Certified by:   
 Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
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## Laboratory Results

Foulkes Utilities (SI Glenwood)  
Attn: Charles Foulkes  
1114 S. 13th Street  
St. Charles IL, 60174

Date Received: 04/12/11 10:05  
Report Date: 5/17/2011  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 1D12002-01      Collect Date: 04/11/11 11:30  
Client ID: Foulkes Utilities (SI Glenwood)      Site: Vault # 1 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
pH, Electrometric by EPA Method 150.1				
pH	7.41 pH Units	04/12/11		KF
Fecal Coliform: Membrane-Filter by SM 9222D.				
Coliform, Fecal	< 1 100ml	04/12/11		PJ
Nitrite as N by EPA Method 300.0 Rev. 2.1				
Nitrite as N	< 0.17 mg/L	04/12/11		KF
Nitrate as N by EPA Method 300.0 Rev. 2.1				
Nitrate as N	0.61 mg/L	04/12/11		KF
Sulfate by EPA Method 300.0 Rev. 2.1				
Sulfate	14.5 mg/L	05/02/11	E	KF
Chloride by LACHAT 10-117-07-1-A				
Chloride	10.7 mg/L	04/27/11		PJ
Nitrogen Ammonia, SM4500-NH3 G.				
Nitrogen Ammonia by SM4500NH3	0.12 mg/L	04/15/11		PJ
Residue, Filterable, Dried at 180 C by SM 2540 C.				
Total Dissolved Solids	367.0 mg/L	04/12/11		KF

Sample No: 1D12002-02      Collect Date: 04/11/11 11:30  
Client ID: Foulkes Utilities (SI Glenwood)      Site: Vault # 2 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
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McHenry, IL 60050-4208

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Sample No: 1D12002-02	Collect Date: 04/11/11 11:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.35 pH Units	04/12/11		KF
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>				
Coliform, Fecal	10 100ml	04/12/11		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.17 mg/L	04/12/11		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	< 0.34 mg/L	04/12/11		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	226 mg/L	05/03/11	D, E	KF
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	11.1 mg/L	04/27/11		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.17 mg/L	04/15/11		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	633.0 mg/L	04/12/11		KF

Sample No: 1D12002-03	Collect Date: 04/11/11 11:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.43 pH Units	04/12/11		KF
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>				
Coliform, Fecal	< 1 100ml	04/12/11		PJ

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McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208



Sample No: <b>1D12002-03</b>	Collect Date: <b>04/11/11 11:30</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 3 Glenwood</b>

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.17 mg/L	04/12/11		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	2.87 mg/L	04/12/11		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	17.0 mg/L	05/02/11		KF
<b>Chloride by LCHAT 10-117-07-1-A</b>				
Chloride	61.6 mg/L	04/27/11		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.07 mg/L	04/15/11		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	400.0 mg/L	04/12/11		KF

Sample No: <b>1D12002-04</b>	Collect Date: <b>04/11/11 11:30</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 4 Glenwood</b>

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.40 pH Units	04/12/11		KF
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>				
Coliform, Fecal	4 100ml	04/12/11		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.17 mg/L	04/12/11		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.62 mg/L	04/12/11		KF

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4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

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FAX (815) 344-2208



Sample No: 1D12002-04	Collect Date: 04/11/11 11:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	14.9 mg/L	05/02/11		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	10.5 mg/L	04/27/11		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.12 mg/L	04/15/11		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	333.0 mg/L	04/12/11		KF

### Qualifiers

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- D DUP associated with analytical batch failed to meet acceptance criteria of < 20% RPD.

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## LABORATORY RESULTS

Foulkes Utilities (SI Glenwood)  
Attn: Charles Foulkes  
1114 S. 13th Street  
St. Charles IL, 60174

Date Received: 05/26/11 13:55  
Report Date: 5/27/2011  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 1E26019-01	Collect Date: 05/26/11 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 1 Glenwood

Parameter	Result	Units	Analysis Date & Time	Qualifier	Analyst
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	05/26/11 14:30		PJ

Sample No: 1E26019-02	Collect Date: 05/26/11 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Result	Units	Analysis Date & Time	Qualifier	Analyst
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	05/26/11 14:30		PJ

Sample No: 1E26019-03	Collect Date: 05/26/11 11:15
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Result	Units	Analysis Date & Time	Qualifier	Analyst
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	05/26/11 14:30		PJ

Sample No: 1E26019-04	Collect Date: 05/26/11 11:15
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Result	Units	Analysis Date & Time	Qualifier	Analyst
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	05/26/11 14:30		PJ

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Certified by:

Mark Mueller, Project Manager



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McHenry, IL 60050-4208

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## SAMPLE CONTAINER CHECK IN

There are no Chemical or Temperature discrepancies noted for this work order.

---

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McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

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Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

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McHenry, IL 60050-4208

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FAX (815) 344-2208

## LABORATORY RESULTS

Foulkes Utilities (SI Glenwood)  
Attn: Charles Foulkes  
1114 S. 13th Street  
St. Charles IL, 60174

Date Received: 07/14/11 14:55  
Report Date: 8/4/2011  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 1G14048-01	Collect Date: 07/14/11 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 1 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.81	pH Units	07/14/11	16:15		KF
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	3	100ml	07/14/11	15:15		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.17	mg/L	07/15/11	12:12		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	< 0.34	mg/L	07/15/11	12:12		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	170	mg/L	07/19/11	10:29		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	16.5	mg/L	08/03/11	14:33		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>						
Nitrogen Ammonia by SM4500NH3	0.15	mg/L	07/15/11	11:14		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	533.0	mg/L	07/19/11	9:00		KF

Sample No: 1G14048-02	Collect Date: 07/14/11 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.69	pH Units	07/14/11	16:15		KF

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Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208

Sample No: 1G14048-02	Collect Date: 07/14/11 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	07/14/11	15:15		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.17	mg/L	07/15/11	12:25		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	0.44	mg/L	07/15/11	12:25		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	141	mg/L	07/19/11	10:42		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	12.7	mg/L	08/03/11	14:35		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>						
Nitrogen Ammonia by SM4500NH3	0.06	mg/L	07/15/11	11:18	D	PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	633.0	mg/L	07/19/11	9:00		KF

Sample No: 1G14048-03	Collect Date: 07/14/11 11:20
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.58	pH Units	07/14/11	16:15		KF
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	07/14/11	15:15		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.17	mg/L	07/15/11	12:39		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	0.85	mg/L	07/15/11	12:39		KF

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 State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17556  
 McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

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McHenry, IL 60050-4208

(815) 344-4044  
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Sample No: <b>1G14048-03</b>	Collect Date: <b>07/14/11 11:20</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 3 Glenwood</b>

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	26.8	mg/L	07/18/11 20:34		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	223	mg/L	08/03/11 14:47		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>					
Nitrogen Ammonia by SM4500NH3	0.09	mg/L	07/15/11 11:23		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	767.0	mg/L	07/19/11 9:00		KF

Sample No: <b>1G14048-04</b>	Collect Date: <b>07/14/11 11:20</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 4 Glenwood</b>

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.66	pH Units	07/14/11 16:15		KF
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	07/14/11 15:15		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.17	mg/L	07/15/11 12:52		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	0.47	mg/L	07/15/11 12:52		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	28.2	mg/L	07/18/11 20:47		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	23.3	mg/L	08/03/11 14:40		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>					
Nitrogen Ammonia by SM4500NH3	0.19	mg/L	07/15/11 11:24		PJ

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State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17556  
McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Merk Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208

Sample No: 1G14048-04	Collect Date: 07/14/11 11:20
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
Residue, Filterable, Dried at 180 C by SM 2540 C.					
Total Dissolved Solids	567.0	mg/L	07/19/11 9:00		KF

### QUALIFIERS

- E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.
- D DUP associated with analytical batch failed to meet acceptance criteria of < 20% RPD.

### SAMPLE CONTAINER CHECK IN

There are no Chemical or Temperature discrepancies noted for this work order.

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McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Mark Mueller, Project Manager



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McHenry, IL 60050-4208

(815) 344-4044  
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## LABORATORY RESULTS

Foulkes Utilities (SI Glenwood)  
Attn: Charles Foulkes  
1114 S. 13th Street  
St. Charles IL, 60174

Date Received: 10/06/11 15:29  
Report Date: 11/7/2011  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 1J06040-01	Collect Date: 10/06/11 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 1 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.33	pH Units	10/06/11	16:10		ba
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	10/06/11	15:15		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.17	mg/L	10/07/11	4:37		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	0.56	mg/L	10/07/11	4:37		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	31.5	mg/L	10/31/11	14:09		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	34.6	mg/L	10/19/11	12:24		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>						
Nitrogen Ammonia by SM4500NH3	0.34	mg/L	10/14/11	12:13		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	867.0	mg/L	10/11/11	12:30		KF

Sample No: 1J06040-02	Collect Date: 10/06/11 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.20	pH Units	10/06/11	16:15		ba

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McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Mark Mueller, Project Manager



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(815) 344-4044  
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Sample No: 1J06040-02	Collect Date: 10/06/11 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	4	100ml	10/06/11 15:15		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.17	mg/L	10/07/11 4:51		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	0.84	mg/L	10/07/11 4:51		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	22.0	mg/L	10/31/11 14:22		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	145	mg/L	10/19/11 12:26		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>					
Nitrogen Ammonia by SM4500NH3	1.65	mg/L	10/14/11 12:14		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	667.0	mg/L	10/11/11 12:30		KF

Sample No: 1J06040-03	Collect Date: 10/06/11 11:15
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.40	pH Units	10/06/11 16:22		ba
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	10/06/11 15:15		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.17	mg/L	10/07/11 5:04		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	0.58	mg/L	10/07/11 5:04		KF

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Certified by:

Mark Mueller, Project Manager





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McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208

Sample No: 1J06040-03	Collect Date: 10/06/11 11:15
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	54.0	mg/L	10/31/11	15:02		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	12.1	mg/L	10/19/11	12:36		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>						
Nitrogen Ammonia by SM4500NH3	0.06	mg/L	10/14/11	12:15		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	500.0	mg/L	10/11/11	12:30		KF

Sample No: 1J06040-04	Collect Date: 10/06/11 11:15
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.46	pH Units	10/06/11	16:27		ba
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	10/06/11	15:15		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.17	mg/L	10/07/11	5:17		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	0.67	mg/L	10/07/11	5:17		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	31.4	mg/L	10/31/11	15:16		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	32.3	mg/L	10/19/11	12:31	E	PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>						
Nitrogen Ammonia by SM4500NH3	0.03	mg/L	10/14/11	12:16		PJ

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Mark Mueller, Project Manager



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McHenry, IL 60050-4208

(815) 344-4044  
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Sample No: 1J06040-04	Collect Date: 10/06/11 11:15
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
Residue, Filterable, Dried at 180 C by SM 2540 C.					
Total Dissolved Solids	500.0	mg/L	10/11/11 12:30		KF

### QUALIFIERS

- E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.
- D DUP associated with analytical batch failed to meet acceptance criteria of < 20% RPD.

### SAMPLE CONTAINER CHECK IN

There are no Chemical or Temperature discrepancies noted for this work order.

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McHenry, IL 60050-4208

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## LABORATORY RESULTS

Foulkes Utilities (SI Glenwood)  
Attn: Charles Foulkes  
1114 S. 13th Street  
St. Charles IL, 60174

Date Received: 01/12/12 15:00  
Report Date: 2/3/2012  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 2A12016-01	Collect Date: 01/12/12 10:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 1 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.57	pH Units	01/12/12	15:45		ba
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	01/12/12	15:50		ba
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.17	mg/L	01/12/12	23:10		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	0.60	mg/L	01/12/12	23:10		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	24.1	mg/L	01/31/12	15:37		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	36.6	mg/L	01/25/12	10:18		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>						
Nitrogen Ammonia by SM4500NH3	0.07	mg/L	01/13/12	11:54	D	PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	433.0	mg/L	01/17/12	12:00		KF

Sample No: 2A12016-02	Collect Date: 01/12/12 10:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.01	pH Units	01/12/12	15:45		ba

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Mark Mueller, Project Manager



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McHenry, IL 60050-4208

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Sample No: <b>2A12016-02</b>	Collect Date: <b>01/12/12 10:00</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 2 Glenwood</b>

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	01/12/12 15:50		ba
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.17	mg/L	01/12/12 23:23		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	< 0.34	mg/L	01/12/12 23:23		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	135	mg/L	01/31/12 16:30		KF
<b>Chloride by LCHAT 10-117-07-1-A</b>					
Chloride	13.8	mg/L	01/25/12 10:21		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>					
Nitrogen Ammonia by SM4500NH3	0.11	mg/L	01/13/12 11:59		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	733.0	mg/L	01/17/12 12:00		KF

Sample No: <b>2A12016-03</b>	Collect Date: <b>01/12/12 10:30</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 3 Glenwood</b>

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.28	pH Units	01/12/12 15:46		ba
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	01/12/12 15:50		ba
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.17	mg/L	01/12/12 23:37		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	0.74	mg/L	01/12/12 23:37		KF

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Certified by:

Mark Mueller, Project Manager



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(815) 344-4044  
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Sample No: 2A12016-03	Collect Date: 01/12/12 10:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	20.7	mg/L	01/31/12 16:44		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	173	mg/L	01/25/12 10:30		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>					
Nitrogen Ammonia by SM4500NH3	0.09	mg/L	01/13/12 12:00		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	633.0	mg/L	01/17/12 12:00		KF

Sample No: 2A12016-04	Collect Date: 01/12/12 10:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.33	pH Units	01/12/12 15:45		ba
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	01/12/12 15:50		ba
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.17	mg/L	01/12/12 23:50		KF
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	0.66	mg/L	01/12/12 23:50		KF
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	24.1	mg/L	01/31/12 16:57		KF
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	35.8	mg/L	01/25/12 10:27		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>					
Nitrogen Ammonia by SM4500NH3	0.10	mg/L	01/13/12 12:01		PJ

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 State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17556  
 McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208

Sample No: <b>2A12016-04</b>	Collect Date: <b>01/12/12 10:30</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 4 Glenwood</b>

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	767.0	mg/L	01/17/12 12:00		KF

### QUALIFIERS

- E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.
- D DUP associated with analytical batch failed to meet acceptance criteria of < 20% RPD.

### SAMPLE CONTAINER CHECK IN

There are no Chemical or Temperature discrepancies noted for this work order.

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 McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208

## LABORATORY RESULTS

Foulkes Utilities (SI Glenwood)  
Attn: Charles Foulkes  
1114 S. 13th Street  
St. Charles IL, 60174

Date Received: 04/19/12 14:30  
Report Date: 4/28/2012  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 2D19026-01	Collect Date: 04/19/12 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 1 Glenwood

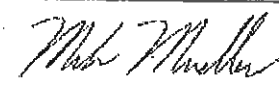
Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.64	pH Units	04/19/12	16:30		ba
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 10	100ml	04/19/12	15:45		ba
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.17	mg/L	04/19/12	20:57		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	< 0.34	mg/L	04/19/12	20:57		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	8.75	mg/L	04/23/12	15:44		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	36.8	mg/L	04/25/12	11:36		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>						
Nitrogen Ammonia by SM4500NH3	0.11	mg/L	04/20/12	15:48		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	433.0	mg/L	04/24/12	14:00		ba

Sample No: 2D19026-02	Collect Date: 04/19/12 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.46	pH Units	04/19/12	16:30		ba

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State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17555  
McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:   
Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
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Sample No: 2D19026-02	Collect Date: 04/19/12 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 10	100ml	04/19/12 15:45		ba
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.17	mg/L	04/19/12 21:11		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	0.86	mg/L	04/19/12 21:11		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	16.4	mg/L	04/23/12 15:57		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	96.9	mg/L	04/25/12 11:37		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>					
Nitrogen Ammonia by SM4500NH3	0.12	mg/L	04/20/12 15:49		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	467.0	mg/L	04/24/12 14:00		ba

Sample No: 2D19026-03	Collect Date: 04/19/12 11:15
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.48	pH Units	04/19/12 16:30		ba
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 10	100ml	04/19/12 15:45		ba
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.17	mg/L	04/19/12 21:24		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	< 0.34	mg/L	04/19/12 21:24		JS

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State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17566  
McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Mark Mueller, Project Manager





# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208

Sample No: 2D19026-03	Collect Date: 04/19/12 11:15
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	82.6	mg/L	04/23/12 16:11		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	12.6	mg/L	04/25/12 11:38		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>					
Nitrogen Ammonia by SM4500NH3	0.06	mg/L	04/20/12 15:50		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	567.0	mg/L	04/24/12 14:00		ba

Sample No: 2D19026-04	Collect Date: 04/19/12 11:15
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.61	pH Units	04/19/12 16:30		ba
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	04/19/12 15:45		ba
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.17	mg/L	04/19/12 21:38		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	< 0.34	mg/L	04/19/12 21:38		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	8.81	mg/L	04/23/12 16:24		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	36.4	mg/L	04/25/12 11:40		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>					
Nitrogen Ammonia by SM4500NH3	0.03	mg/L	04/20/12 15:51		PJ

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 State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17556  
 McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208

Sample No: 2D19026-04	Collect Date: 04/19/12 11:15
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
Residue, Filterable, Dried at 180 C by SM 2540 C.					
Total Dissolved Solids	433.0	mg/L	04/24/12 14:00		ba

### QUALIFIERS

E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.

### SAMPLE CONTAINER CHECK IN

There are no Chemical or Temperature discrepancies noted for this work order.

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McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208

## LABORATORY RESULTS

Foulkes Utilities (SI Glenwood)  
Attn: Charles Foulkes  
1114 S. 13th Street  
St. Charles IL, 60174

Date Received: 07/12/12 14:27  
Report Date: 7/27/2012  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 2G12033-01	Collect Date: 07/12/12 11:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 1 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.55	pH Units	07/12/12 16:14		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	07/12/12 15:50		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.38	mg/L	07/13/12 8:08		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	< 0.27	mg/L	07/13/12 8:08		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	12.1	mg/L	07/16/12 14:18		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	36.3	mg/L	07/20/12 15:44		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>					
Nitrogen Ammonia by SM4500NH3	0.19	mg/L	07/13/12 11:15		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	500.0	mg/L	07/17/12 10:30		ba

Sample No: 2G12033-02	Collect Date: 07/12/12 11:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.36	pH Units	07/12/12 16:14		JS

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State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17556  
McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

  
Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208

Sample No: 2G12033-02	Collect Date: 07/12/12 11:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	07/12/12 15:50		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.38	mg/L	07/13/12 8:22		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	0.47	mg/L	07/13/12 8:22		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	29.5	mg/L	07/16/12 14:45		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	134	mg/L	07/20/12 15:54	D, E	PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>					
Nitrogen Ammonia by SM4500NH3	0.06	mg/L	07/13/12 11:16		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	733.0	mg/L	07/17/12 10:30		ba

Sample No: 2G12033-03	Collect Date: 07/12/12 11:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.58	pH Units	07/12/12 16:14		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	07/12/12 15:50		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.38	mg/L	07/13/12 8:35		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	< 0.27	mg/L	07/13/12 8:35		JS

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State of Illinois Bacteriological Analysis In Drinking Water Certified Lab Registry No. 17556  
McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208

Sample No: 2G12033-03	Collect Date: 07/12/12 11:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	97.1	mg/L	07/16/12 14:58		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	13.0	mg/L	07/20/12 15:50		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>					
Nitrogen Ammonia by SM4500NH3	0.28	mg/L	07/13/12 11:17		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	567.0	mg/L	07/17/12 10:30		ba

Sample No: 2G12033-04	Collect Date: 07/12/12 11:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.64	pH Units	07/12/12 16:14		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	07/12/12 15:50		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.38	mg/L	07/13/12 8:49		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	< 0.27	mg/L	07/13/12 8:49		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	14.5	mg/L	07/16/12 15:11		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	40.8	mg/L	07/20/12 15:51		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>					
Nitrogen Ammonia by SM4500NH3	0.30	mg/L	07/13/12 11:18		PJ

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McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208

Sample No: 2G12033-04	Collect Date: 07/12/12 11:30
Client ID: Foulkes Utilitiles (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	433.0	mg/L	07/17/12 10:30		ba

### QUALIFIERS

- E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.
- D DUP associated with analytical batch failed to meet acceptance criteria of < 20% RPD.

### SAMPLE CONTAINER CHECK IN

There are no Chemical or Temperature discrepancies noted for this work order.

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McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208

## LABORATORY RESULTS

Foulkes Utilities (SI Glenwood)  
Attn: Charles Foulkes  
1114 S. 13th Street  
St. Charles IL, 60174

Date Received: 10/25/12 14:48  
Report Date: 11/19/2012  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 2J25017-01	Collect Date: 10/25/12 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 1 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.31	pH Units	10/25/12 15:49		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	10/25/12 15:37		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.38	mg/L	10/25/12 22:18		CR
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	1.46	mg/L	10/25/12 22:18		CR
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	44.9	mg/L	10/29/12 15:40		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	12.7	mg/L	11/14/12 10:52		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>					
Nitrogen Ammonia by SM4500NH3	0.17	mg/L	10/26/12 11:44		JS
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	467.0	mg/L	10/30/12 9:50		ba

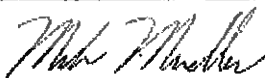
Sample No: 2J25017-02	Collect Date: 10/25/12 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.38	pH Units	10/25/12 15:49		JS

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State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17556  
McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

  
Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208

Sample No: 2J25017-02	Collect Date: 10/25/12 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	10/25/12	15:37		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.38	mg/L	10/25/12	22:32		CR
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	0.47	mg/L	10/25/12	22:32		CR
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	106	mg/L	10/29/12	15:54		JS
<b>Chloride by LCHAT 10-117-07-1-A</b>						
Chloride	13.7	mg/L	11/14/12	10:55		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>						
Nitrogen Ammonia by SM4500NH3	0.23	mg/L	10/26/12	11:51		JS
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	533.0	mg/L	10/30/12	9:50		ba

Sample No: 2J25017-03	Collect Date: 10/25/12 11:15
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.29	pH Units	10/25/12	15:49		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	10/25/12	15:37		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.38	mg/L	10/25/12	22:45		CR
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	2.01	mg/L	10/25/12	22:45		CR

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Certified by:

Mark Mueller, Project Manager





# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208

Sample No: <b>2J25017-03</b>	Collect Date: <b>10/25/12 11:15</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 3 Glenwood</b>

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	45.6	mg/L	10/29/12 16:07		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	130	mg/L	11/14/12 10:57		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>					
Nitrogen Ammonia by SM4500NH3	0.05	mg/L	10/26/12 11:53		JS
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	633.0	mg/L	11/06/12 8:40		ba

Sample No: <b>2J25017-04</b>	Collect Date: <b>10/25/12 11:15</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 4 Glenwood</b>

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.37	pH Units	10/25/12 15:49		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	10/25/12 15:37		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.38	mg/L	10/26/12 8:39	E	JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	< 0.27	mg/L	10/26/12 8:39	E	JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	8.25	mg/L	10/29/12 16:21		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	42.5	mg/L	11/14/12 10:58		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>					
Nitrogen Ammonia by SM4500NH3	0.32	mg/L	10/26/12 11:54		JS

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Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd.  
McHenry, IL 60050-4208

(815) 344-4044  
FAX (815) 344-2208

Sample No: 2J25017-04	Collect Date: 10/25/12 11:15
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
Residue, Filterable, Dried at 180 C by SM 2540 C.					
Total Dissolved Solids	400.0	mg/L	11/06/12 8:40		ba

### QUALIFIERS

E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.

### SAMPLE CONTAINER CHECK IN

There are no Chemical or Temperature discrepancies noted for this work order.

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Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

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## LABORATORY RESULTS

Sheaffer Roland (SI Glenwood)  
Attn: Erik Butler  
1114 S. 13th Street  
St. Charles IL, 60174

Date Received: 12/19/13 14:15  
Report Date: 1/8/2014  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 3L19037-01      Collect Date: 12/19/13 09:30  
Client ID: Sheaffer Roland (SI Glenwood)      Site: Vault # 1 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
pH, Electrometric by EPA Method 150.1					
pH	7.26	pH	12/19/13 15:30		JS
Fecal Coliform: Membrane-Filter by SM 9222D.					
Coliform, Fecal	< 1	100ml	12/19/13 15:12		PJ
Nitrite as N by EPA Method 300.0 Rev. 2.1					
Nitrite as N	< 0.38	mg/L	12/19/13 17:41		JS
Nitrate as N by EPA Method 300.0 Rev. 2.1					
Nitrate as N	1.30	mg/L	12/19/13 17:41		JS
Sulfate by EPA Method 300.0 Rev. 2.1					
Sulfate	17.4	mg/L	12/30/13 13:44		JS
Chloride by LACHAT 10-117-07-1-A					
Chloride	5.46	mg/L	01/08/14 10:37		PJ
Nitrogen Ammonia, SM4500-NH3 G - 1997					
Nitrogen Ammonia by SM4500NH3	< 0.02	mg/L	12/20/13 15:35		PJ
Residue, Filterable, Dried at 180 C by SM 2540 C.					
Total Dissolved Solids	433.0	mg/L	12/24/13 8:30		BA

Sample No: 3L19037-02      Collect Date: 12/19/13 09:35  
Client ID: Sheaffer Roland (SI Glenwood)      Site: Vault # 2 Glenwood

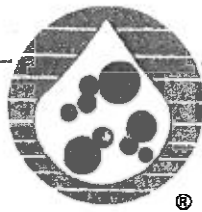
Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
pH, Electrometric by EPA Method 150.1					
pH	7.54	pH	12/19/13 15:30		JS

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McHenry Analytical Laboratories, 4314 A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Mark Mueller, Project Manager



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Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Sample No: 3L19037-02</b> <b>Collect Date: 12/19/13 09:35</b>					
<b>Client ID: Sheaffer Roland (SI Glenwood)</b> <b>Site: Vault # 2 Glenwood</b>					
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	12/19/13 15:12		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.38	mg/L	12/19/13 17:55		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	< 0.75	mg/L	12/19/13 17:55		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	92.9	mg/L	12/30/13 13:58		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	12.7	mg/L	01/08/14 10:38		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>					
Nitrogen Ammonia by SM4500NH3	< 0.02	mg/L	12/20/13 15:36		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	533.0	mg/L	12/24/13 8:30		BA

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Sample No: 3L19037-03</b> <b>Collect Date: 12/19/13 09:45</b>					
<b>Client ID: Sheaffer Roland (SI Glenwood)</b> <b>Site: Vault # 3 Glenwood</b>					
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.46	pH	12/19/13 15:30		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	12/19/13 15:12		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.38	mg/L	12/19/13 18:09		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	1.06	mg/L	12/19/13 18:09		JS

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McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

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Sample No: 3L19037-03	Collect Date: 12/19/13 09:45
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	26.6	mg/L	12/30/13 14:12		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	109	mg/L	01/08/14 10:40		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>					
Nitrogen Ammonia by SM4500NH3	< 0.02	mg/L	12/20/13 15:37		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	533.0	mg/L	12/24/13 8:30		BA

Sample No: 3L19037-04	Collect Date: 12/19/13 10:00
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.51	pH	12/19/13 15:30		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	12/19/13 15:12		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.38	mg/L	12/19/13 18:23		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	< 0.75	mg/L	12/19/13 18:23		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	7.75	mg/L	12/30/13 14:26		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	62.6	mg/L	01/08/14 10:41		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>					
Nitrogen Ammonia by SM4500NH3	0.03	mg/L	12/20/13 15:44		PJ

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Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd. • McHenry, IL 60050 • (815) 344-4044 • FAX (815) 344-2208

Sample No: <b>3L19037-04</b>	Collect Date: <b>12/19/13 10:00</b>
Client ID: <b>Sheaffer Roland (SI Glenwood)</b>	Site: <b>Vault # 4 Glenwood</b>

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
Residue, Filterable, Dried at 180 C by SM 2540 C.					
Total Dissolved Solids	467.0	mg/L	12/24/13 8:30		BA

### QUALIFIERS

E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.

### SAMPLE CONTAINER CHECK IN

There are no Chemical or Temperature discrepancies noted for this work order.

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Certified by:

Mark Mueller, Project Manager



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Sheaffer Roland (SI Glenwood)  
Attn: Erik Butler  
1114 S. 13th Street  
St. Charles IL, 60174

### LABORATORY RESULTS

Date Received: 09/26/13 14:35  
Report Date: 10/10/2013  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 3126024-01	Collect Date: 09/26/13 09:30
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 1 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.39	pH Units	09/26/13	15:22		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 10	100ml	09/26/13	15:26		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.38	mg/L	09/26/13	19:33		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	1.27	mg/L	09/26/13	19:33		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	29.9	mg/L	09/30/13	13:00		JS
<b>Chloride by LCHAT 10-117-07-1-A</b>						
Chloride	9.01	mg/L	10/09/13	10:59		penny
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.02	mg/L	09/27/13	11:44		per
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	400.0	mg/L	10/01/13	8:45		BA

Sample No: 3126024-02	Collect Date: 09/26/13 09:45
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.47	pH Units	09/26/13	15:22		JS

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McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:   
Mark Mueller, Project Manager



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Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Sample No: 3126024-02</b>					
<b>Client ID: Sheaffer Roland (SI Glenwood)</b>					
<b>Collect Date: 09/26/13 09:45</b>					
<b>Site: Vault # 2 Glenwood</b>					
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	09/26/13 15:26		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.38	mg/L	09/26/13 20:15		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	< 0.75	mg/L	09/26/13 20:15		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	88.6	mg/L	09/30/13 13:13		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	13.0	mg/L	10/09/13 11:05		penny
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>					
Nitrogen Ammonia by SM4500NH3	0.12	mg/L	09/27/13 11:45		penny
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	500.0	mg/L	10/01/13 8:45		BA

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Sample No: 3126024-03</b>					
<b>Client ID: Sheaffer Roland (SI Glenwood)</b>					
<b>Collect Date: 09/26/13 10:05</b>					
<b>Site: Vault # 3 Glenwood</b>					
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.28	pH Units	09/26/13 15:22		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	1	100ml	09/26/13 15:26		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.38	mg/L	09/26/13 20:42		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	2.49	mg/L	09/26/13 20:42		JS

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McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Mark Mueller, Project Manager





# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd. • McHenry, IL 60050 • (815) 344-4044 • FAX (815) 344-2208

Sample No: 3126024-03	Collect Date: 09/26/13 10:05
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	21.5	mg/L	09/30/13	13:27		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	104	mg/L	10/09/13	11:08		penny
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.02	mg/L	09/27/13	11:46		pei
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	467.0	mg/L	10/01/13	8:45		BA

Sample No: 3126024-04	Collect Date: 09/26/13 10:15
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.50	pH Units	09/26/13	15:22		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 10	100ml	09/26/13	15:26		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.38	mg/L	09/26/13	20:56		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	< 0.75	mg/L	09/26/13	20:56		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	9.00	mg/L	09/30/13	13:41		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	58.0	mg/L	10/09/13	11:09		penny
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	0.04	mg/L	09/27/13	11:48		penny

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 State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17556  
 McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:   
 Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

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Sample No: 3126024-04	Collect Date: 09/26/13 10:15
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
Residue, Filterable, Dried at 180 C by SM 2540 C.					
Total Dissolved Solids	433.0	mg/L	10/01/13 8:45		BA

### QUALIFIERS

- E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.
- D DUP associated with analytical batch failed to meet acceptance criteria of < 20% RPD.

### SAMPLE CONTAINER CHECK IN

There are no Chemical or Temperature discrepancies noted for this work order.

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Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

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### LABORATORY RESULTS

Foulkes Utilities (SI Glenwood)  
Attn: Charles Foulkes  
1114 S. 13th Street  
St. Charles IL, 60174

Date Received: 06/27/13 14:46  
Report Date: 7/12/2013  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 3F27038-01      Collect Date: 06/27/13 10:50  
Client ID: Foulkes Utilities (SI Glenwood)      Site: Vault # 1 Glenwood

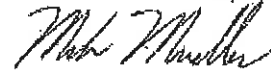
Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.34	pH Units	06/27/13 15:56		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	06/27/13 15:18		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.38	mg/L	06/28/13 8:43		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	1.02	mg/L	06/28/13 8:43		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	29.0	mg/L	07/01/13 13:27		JS
<b>Chloride by LCHAT 10-117-07-1-A</b>					
Chloride	11.7	mg/L	07/10/13 11:15		penny
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>					
Nitrogen Ammonia by SM4500NH3	< 0.02	mg/L	06/28/13 13:23		ber
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	433.0	mg/L	07/02/13 10:15		BA

Sample No: 3F27038-02      Collect Date: 06/27/13 11:05  
Client ID: Foulkes Utilities (SI Glenwood)      Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.09	pH Units	06/27/13 15:56		JS

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Certified by:   
Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

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Sample No: 3F27038-02		Collect Date: 06/27/13 11:05			
Client ID: Foulkes Utilities (SI Glenwood)		Site: Vault # 2 Glenwood			
Parameter	Results	Units	Analysis Date & Time		Qualifier Analyst
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	42	100ml	06/27/13	15:18	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.38	mg/L	06/28/13	8:57	JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	< 0.75	mg/L	06/28/13	8:57	JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	85.8	mg/L	07/01/13	13:41	JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	11.1	mg/L	07/10/13	11:23	penny
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>					
Nitrogen Ammonia by SM4500NH3	0.13	mg/L	06/28/13	13:25	penny
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	500.0	mg/L	07/02/13	10:15	BA

Sample No: 3F27038-03		Collect Date: 06/27/13 11:10			
Client ID: Foulkes Utilities (SI Glenwood)		Site: Vault # 3 Glenwood			
Parameter	Results	Units	Analysis Date & Time		Qualifier Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.14	pH Units	06/27/13	15:56	JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	06/27/13	15:18	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.38	mg/L	06/28/13	9:37	E JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	1.34	mg/L	06/28/13	9:37	JS

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 McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by: Mark Mueller  
 Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

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Sample No: 3F27038-03      Collect Date: 06/27/13 11:10  
Client ID: Foulkes Utilities (SI Glenwood)      Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	22.4	mg/L	07/01/13 13:54		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	169	mg/L	07/10/13 11:26		penny
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>					
Nitrogen Ammonia by SM4500NH3	< 0.02	mg/L	06/28/13 13:26		oer
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	667.0	mg/L	07/02/13 10:15		BA

Sample No: 3F27038-04      Collect Date: 06/27/13 11:15  
Client ID: Foulkes Utilities (SI Glenwood)      Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.40	pH Units	06/27/13 15:56		JS
<b>Fecal Coliform: Membrane-Filter by SM 922D.</b>					
Coliform, Fecal	< 1	100ml	08/27/13 15:18		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.38	mg/L	06/28/13 10:04		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	1.74	mg/L	06/28/13 10:04		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	6.44	mg/L	07/01/13 14:08		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	40.2	mg/L	07/10/13 11:27		penny
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>					
Nitrogen Ammonia by SM4500NH3	< 0.02	mg/L	06/28/13 13:27		oer

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State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17556  
McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

4314-A Crystal Lake Rd. • McHenry, IL 60050 • (815) 344-4044 • FAX (815) 344-2208

Sample No: 3F27038-04	Collect Date: 06/27/13 11:15
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
Residue, Filterable, Dried at 180 C by SM 2540 C.					
Total Dissolved Solids	433.0	mg/L	07/02/13 10:15		BA

### QUALIFIERS

E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.

### SAMPLE CONTAINER CHECK IN

There are no Chemical or Temperature discrepancies noted for this work order.

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Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

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## LABORATORY RESULTS

Foulkes Utilities (SI Glenwood)  
Attn: Charles Foulkes  
1114 S. 13th Street  
St. Charles IL, 60174

Date Received: 03/21/13 14:25  
Report Date: 4/10/2013  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 3C21027-01	Collect Date: 03/21/13 12:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 1 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.48	pH Units	03/21/13	15:55		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 10	100ml	03/21/13	15:10		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.38	mg/L	03/21/13	18:41		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	0.97	mg/L	03/21/13	18:41		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	24.4	mg/L	03/25/13	16:33		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	5.51	mg/L	03/27/13	12:41		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.04	mg/L	03/22/13	13:44		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	267.0	mg/L	04/02/13	8:51		BA

Sample No: 3C21027-02	Collect Date: 03/21/13 12:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.32	pH Units	03/21/13	15:55		JS

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McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

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Sample No: 3C21027-02		Collect Date: 03/21/13 12:00			
Client ID: Foulkes Utilities (SI Glenwood)		Site: Vault # 2 Glenwood			
<b>Parameter</b>	<b>Results</b>	<b>Units</b>	<b>Analysis Date &amp; Time</b>	<b>Qualifier</b>	<b>Analyst</b>
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	03/21/13 15:10		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.38	mg/L	03/21/13 18:54		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	< 0.75	mg/L	03/21/13 18:54		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	70.2	mg/L	03/25/13 16:47		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	10.4	mg/L	03/27/13 12:57		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>					
Nitrogen Ammonia by SM4500NH3	< 0.04	mg/L	03/22/13 13:46		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	300.0	mg/L	04/02/13 8:51		BA

Sample No: 3C21027-03		Collect Date: 03/21/13 12:15			
Client ID: Foulkes Utilities (SI Glenwood)		Site: Vault # 3 Glenwood			
<b>Parameter</b>	<b>Results</b>	<b>Units</b>	<b>Analysis Date &amp; Time</b>	<b>Qualifier</b>	<b>Analyst</b>
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.43	pH Units	03/21/13 15:55		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	03/21/13 15:10		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.38	mg/L	03/21/13 19:07		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	2.27	mg/L	03/21/13 19:07		JS

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State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17556  
McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Mark Mueller, Project Manager





# McHenry Analytical Water Laboratory, Inc.

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Sample No: 3C21027-04	Collect Date: 03/21/13 12:15
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 4 Glenwood
Parameter	Results Units Analysis Date & Time Qualifier Analyst
Residue, Filterable, Dried at 180 C by SM 2540 C.	
Total Dissolved Solids	367.0 mg/L 04/04/13 9:40 BA

### QUALIFIERS

E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.

### SAMPLE CONTAINER CHECK IN

Temperature Preservation Discrepancy noted

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McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Mark Mueller, Project Manager



**McHenry Analytical Water Laboratory, Inc.**  
A Crystal Lake Rd. McHenry, IL 60050-4314

Phone: (815) 344 4044 Fax: (815) 344 2208  
Email: www.mchenrylab.com



**LABORATORY RESULTS**

Sheaffer Roland (SI Glenwood)  
Attn: Jason Fowler  
611 Stevens St.  
Genoa IL, 60134

Date Received: 03/13/14 16:20  
Report Date: 12/11/2015  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 4C13050-01	Collect Date: 03/13/14 07:15
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 1 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.92	pH	03/13/14	17:00		BA
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 10	100ml	03/13/14	16:46	H	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	03/14/14	13:17		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	0.92	mg/L	03/14/14	13:17		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	13.2	mg/L	03/25/14	2:02		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	1.76	mg/L	03/28/14	11:31		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	0.06	mg/L	03/28/14	11:45		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	367.0	mg/L	03/24/14	16:00		BA

Sample No: 4C13050-02	Collect Date: 03/13/14 07:26
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	6.99	pH	03/13/14	17:00		BA

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McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Penny Janus, Project Manager



**McHenry Analytical Water Laboratory, Inc.**  
A Crystal Lake Rd. McHenry, IL 60050-4314

Phone: (815) 344 4044 Fax: (815) 344 2208  
Email: www.mchenrylab.com



Sample No: 4C13050-02	Collect Date: 03/13/14 07:26
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 2 Glenwood


Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	03/13/14 16:46	H	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.35	mg/L	03/14/14 13:31		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	< 0.35	mg/L	03/14/14 13:31		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	96.8	mg/L	03/25/14 2:16		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	15.4	mg/L	03/26/14 11:43		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>					
Nitrogen Ammonia by SM4500NH3	0.08	mg/L	03/28/14 11:46		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	600.0	mg/L	03/24/14 16:00		BA

Sample No: 4C13050-03	Collect Date: 03/13/14 07:35
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.29	pH	03/13/14 17:00		BA
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	03/13/14 16:46	H	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.35	mg/L	03/14/14 14:12	E	JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	1.55	mg/L	03/14/14 14:12		JS

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State of Illinois Accreditation of Environmental Laboratories, NELAP/TNI accredited Laboratory No. 100279  
State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17556  
McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:   
Penny Janus, Project Manager



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Email: www.mchenrylab.com



Sample No: 4C13060-03	Collect Date: 03/13/14 07:35
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 3 Glenwood


Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	24.8	mg/L	03/25/14	2:29		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	130	mg/L	03/26/14	11:45		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	03/28/14	11:48		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	600.0	mg/L	03/24/14	18:00		BA

Sample No: 4C13050-04	Collect Date: 03/13/14 07:45
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.47	pH	03/13/14	17:00		BA
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	03/13/14	16:46	H	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	03/14/14	14:40		JS
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	< 0.35	mg/L	03/14/14	14:40		JS
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	7.37	mg/L	03/25/14	2:43		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	63.1	mg/L	03/26/14	11:51		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	03/28/14	11:49		PJ

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 Email: www.mchenrylab.com



Sample No: 4C13050-04	Collect Date: 03/13/14 07:45
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 4 Glenwood


Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	433.0	mg/L	03/24/14	16:00	BA	

**QUALIFIERS**

- Z LRB was greater than the LOD for the batch associated with this sample
- H This test was performed after expiration of the appropriate regulatory/advisory "hold time"
- E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.

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**SAMPLE CONTAINER CHECK IN**

There are no Chemical or Temperature discrepancies noted for this work order .

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**LABORATORY RESULTS**

Sheaffer Roland (SI Glenwood)  
Attn: Jason Fowler  
611 Stevens St.  
Genoa IL, 60134

Date Received: 06/19/14 15:30  
Report Date: 12/11/2015  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 14F1944-01	Collect Date: 06/19/14 07:20
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 1 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.44	pH	06/19/14	16:18		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	06/19/14	16:32	H	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	06/19/14	21:33		CR
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	< 0.35	mg/L	06/19/14	21:33		CR
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	5.97	mg/L	06/24/14	2:07		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	2.80	mg/L	06/30/14	18:16		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	06/27/14	12:12		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	333.0	mg/L	06/30/14	15:50		BA

Sample No: 14F1944-02	Collect Date: 06/19/14 07:30
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						

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Penny Janus, Project Manager



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Sample No: 14F1944-02	Collect Date: 06/19/14 07:30
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.57	pH	06/19/14	16:18		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	10	100ml	06/19/14	16:32	H	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	06/19/14	21:47		CR
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	< 0.35	mg/L	06/19/14	21:47		CR
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	71.8	mg/L	06/24/14	2:21		JS
<b>Chloride by LCHAT 10-117-07-1-A</b>						
Chloride	18.0	mg/L	06/30/14	18:24		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	0.06	mg/L	06/27/14	12:18		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	467.0	mg/L	06/30/14	15:50		BA

Sample No: 14F1944-03	Collect Date: 06/19/14 07:40
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.56	pH	06/19/14	16:18		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	122	100ml	06/19/14	16:32	H	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	06/19/14	22:01		CR

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Penny Janus, Project Manager





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Sample No: 14F1944-03	Collect Date: 06/19/14 07:40
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	3.13	mg/L	06/19/14 22:01		CR
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	5.57	mg/L	06/24/14 2:34		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	5.42	mg/L	06/30/14 18:26		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>					
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	06/27/14 12:20		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	300.0	mg/L	06/30/14 15:50		BA

Sample No: 14F1944-04	Collect Date: 06/19/14 07:50
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.34	pH	06/19/14 16:18		JS
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	8	100ml	06/19/14 16:32	H	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.35	mg/L	06/20/14 11:20		CR
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	12.05	mg/L	06/20/14 11:20		CR
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	18.4	mg/L	06/24/14 2:48		JS
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	9.18	mg/L	06/30/14 18:22		PJ

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Sample No: 14F1944-04	Collect Date: 06/19/14 07:50
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4600NH3	< 0.05	mg/L	06/27/14	12:21		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	400.0	mg/L	06/30/14	15:50		BA

**QUALIFIERS**

- H This test was performed after expiration of the appropriate regulatory/advisory "hold time"
- E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.

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**LABORATORY RESULTS**

Sheaffer Roland (SI Glenwood)  
Attn: Jason Fowler  
611 Stevens St.  
Genoa IL, 60134

Date Received: 09/18/14 15:00  
Report Date: 12/11/2015  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 1411844-01	Collect Date: 09/18/14 08:45
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 1 Glenwood


Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.29	pH	09/18/14	16:15		PH
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	09/18/14	16:35		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	09/19/14	10:47		PH
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	< 0.35	mg/L	09/19/14	10:47		PH
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	5.39	mg/L	09/22/14	21:06		PH
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	1.15	mg/L	09/24/14	12:10		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	09/19/14	12:25		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	300.0	mg/L	09/30/14	9:42		BA

Sample No: 1411844-02	Collect Date: 09/18/14 08:55
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						

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Sample No: 1411844-02	Collect Date: 09/18/14 08:55
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 2 Glenwood


Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.56	pH	09/18/14	16:15		PH
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	09/18/14	16:35		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	09/19/14	11:43		PH
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	< 0.35	mg/L	09/19/14	11:43		PH
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	46.5	mg/L	09/22/14	21:20		PH
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	16.2	mg/L	09/24/14	12:21		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	09/19/14	12:26		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	467.0	mg/L	09/30/14	9:42		BA

Sample No: 1411844-03	Collect Date: 09/18/14 09:10
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.37	pH	09/18/14	16:16		PH
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	21	100ml	09/18/14	16:35		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	09/19/14	11:57		PH

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Sample No: 1411844-03	Collect Date: 09/18/14 09:10
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 3 Glenwood


Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	2.57	mg/L	09/19/14	11:57		PH
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	16.5	mg/L	09/22/14	21:34		PH
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	116	mg/L	09/24/14	12:24		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	09/19/14	12:27		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	533.0	mg/L	09/30/14	9:42		BA

Sample No: 1411844-04	Collect Date: 09/18/14 09:20
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.40	pH	09/18/14	16:15		PH
<b>Fecal Collform: Membrane-Filter by SM 9222D.</b>						
Collform, Fecal	< 1	100ml	09/18/14	16:35		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	09/19/14	12:11		PH
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	1.24	mg/L	09/19/14	12:11		PH
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	22.3	mg/L	09/22/14	21:48		PH
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	56.2	mg/L	09/24/14	12:25		PJ

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State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17556  
McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:   
Penny Janus, Project Manager



**McHenry Analytical Water Laboratory, Inc.**  
 A Crystal Lake Rd. McHenry, IL 60050-4314

Phone: (815) 344 4044 Fax: (815) 344 2208  
 Email: www.mchenrylab.com



Sample No: 1411844-04	Collect Date: 09/18/14 09:20
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 4 Glenwood


Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>					
Nitrogen Ammonia by SM4500NH3	0.07	mg/L	09/19/14 12:28		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	533.0	mg/L	10/03/14 16:35	H	BA

**QUALIFIERS**

- H This test was performed after expiration of the appropriate regulatory/advisory "hold time"
- E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.
- D DUP associated with analytical batch failed to meet acceptance criteria of < 20% RPD.

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**LABORATORY RESULTS**

Sheaffer Roland (SI Glenwood)  
Attn: Erik Butler  
611 Stevens St.  
Genoa IL, 60134


Date Received: 12/18/14 14:30  
Report Date: 12/11/2015  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 14L1843-01	Collect Date: 12/18/14 09:10
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 1 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.33	pH	12/18/14 16:10		PH
<b>Fecal Coliform: Membrane-Filter by SM 9222D,</b>					
Coliform, Fecal	< 1	100ml	12/18/14 16:42		PJ
<b>Total-P as P, by SM4500 F - 1999</b>					
Phosphate, Total as P	0.026	mg/L	12/23/14 10:18		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.35	mg/L	12/18/14 21:35		PH
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	< 0.35	mg/L	12/18/14 21:35		PH
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	19.1	mg/L	12/29/14 13:03		PH
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	2.76	mg/L	12/24/14 10:49		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>					
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	12/19/14 14:01		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	367.0	mg/L	12/22/14 15:47		BA

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Penny Janus, Project Manager



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Email: www.mchenrylab.com



Sample No: 14L1843-02	Collect Date: 12/18/14 09:30
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.80	pH	12/18/14	16:10		PH
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	12/18/14	16:42		PJ
<b>Total-P as P, by SM4500 F - 1998</b>						
Phosphate, Total as P	6.49	mg/L	12/30/14	9:49		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	12/18/14	22:44		PH
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	< 0.35	mg/L	12/18/14	22:44		PH
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	10.9	mg/L	12/29/14	13:45		PH
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	16.7	mg/L	12/24/14	10:53		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	12/19/14	14:02		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	567.0	mg/L	12/22/14	15:47		BA

Sample No: 14L1843-03	Collect Date: 12/18/14 09:45
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.53	pH	12/18/14	16:10		PH
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	3	100ml	12/18/14	16:42		PJ

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McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Penny Janus, Project Manager





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Email: www.mchenrylab.com



Sample No: 14L1843-03	Collect Date: 12/18/14 09:45
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 3 Glenwood


Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>Total-P as P, by SM4500 F - 1999</b>						
Phosphate, Total as P	0.690	mg/L	12/23/14	10:24		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	12/18/14	22:58		PH
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	0.92	mg/L	12/18/14	22:58		PH
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	7.72	mg/L	12/29/14	20:00		PH
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	171	mg/L	12/24/14	10:55		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	12/19/14	14:03		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	667.0	mg/L	12/22/14	15:47		BA

Sample No: 14L1843-04	Collect Date: 12/18/14 10:05
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.48	pH	12/18/14	16:10		PH
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	12/18/14	16:42		PJ
<b>Total-P as P, by SM4500 F - 1999</b>						
Phosphate, Total as P	0.540	mg/L	12/23/14	10:26		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	12/18/14	23:12		PH

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Certified by:   
 Penny Janus, Project Manager



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 Email: www.mchenrylab.com



Sample No: 14L1843-04	Collect Date: 12/18/14 10:05
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time	Qualifier	Analyst
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	< 0.35	mg/L	12/18/14 23:12	PH	
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	19.5	mg/L	12/29/14 14:12	PH	
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	79.4	mg/L	12/24/14 10:56	PJ	
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>					
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	12/19/14 14:12	PJ	
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	533.0	mg/L	12/22/14 15:47	BA	

**QUALIFIERS**

- E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.
- D DUP associated with analytical batch failed to meet acceptance criteria of < 20% RPD.

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**LABORATORY RESULTS**

Sheaffer Roland (SI Glenwood)  
Attn: Erik Butler  
611 Stevens St.  
Genoa IL, 60134


Date Received: 03/19/15 14:40  
Report Date: 4/8/2015  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 15C1923-01	Collect Date: 03/19/15 07:15
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 1 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.62	pH	03/19/15	17:30		BA
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	03/19/15	16:02	H	PJ
<b>Total-P as P, by SM4500 F - 1999</b>						
Phosphate, Total as P	0.040	mg/L	04/07/15	11:12		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	03/20/15	7:39		CR
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	< 0.35	mg/L	03/20/15	7:39		CR
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	5.38	mg/L	03/22/15	23:06		CR
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	< 1.00	mg/L	04/06/15	12:54		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	03/20/15	17:47		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	300.0	mg/L	03/23/15	13:00		BA

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Certified by:   
Penny Janus, Project Manager



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Sample No: 15C1923-02	Collect Date: 03/19/15 07:25
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 2 Glenwood


Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.65	pH	03/19/15	17:30		BA
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	03/19/15	16:02	H	PJ
<b>Total-P as P, by SM4500 F - 1999</b>						
Phosphate, Total as P	5.26	mg/L	04/07/15	11:13		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	03/20/15	0:00		CR
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	< 0.35	mg/L	03/20/15	0:00		CR
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	89.1	mg/L	03/22/15	22:09		CR
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	15.7	mg/L	04/06/15	12:56		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	03/20/15	17:48		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	533.0	mg/L	03/23/15	13:00		BA

Sample No: 15C1923-03	Collect Date: 03/19/15 07:40
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.63	pH	03/19/15	17:30		BA
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	03/19/15	16:02	H	PJ

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Certified by:   
 Penny Janus, Project Manager



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Sample No: 15C1923-03	Collect Date: 03/19/15 07:40
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>Total-P as P, by SM4500 F - 1999</b>						
Phosphate, Total as P	1.06	mg/L	04/07/15	11:15		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	03/20/15	0:13		CR
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	4.44	mg/L	03/20/15	0:13		CR
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	16.8	mg/L	03/23/15	0:01		CR
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	74.2	mg/L	04/06/15	12:58		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	0.06	mg/L	03/20/15	17:49		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	467.0	mg/L	03/23/15	13:00		BA

Sample No: 15C1923-04	Collect Date: 03/19/15 07:55
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.64	pH	03/19/15	17:30		BA
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	03/19/15	16:02	H	PJ
<b>Total-P as P, by SM4500 F - 1999</b>						
Phosphate, Total as P	2.28	mg/L	04/07/15	11:22		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	03/20/15	0:27		CR

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Certified by:   
 Penny Janus, Project Manager



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Phone: (815) 344 4044 Fax: (815) 344 2208

Email: www.mchenrylab.com



Sample No: 15C1923-04	Collect Date: 03/19/15 07:55				
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 4 Glenwood				
<b>Parameter</b>	<b>Results</b>	<b>Units</b>	<b>Analysis Date &amp; Time</b>	<b>Qualifier</b>	<b>Analyst</b>
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	1.61	mg/L	03/20/15 0:27	CR	
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	20.1	mg/L	03/23/15 0:15	CR	
<b>Chloride by LCHAT 10-117-07-1-A</b>					
Chloride	48.4	mg/L	04/08/15 13:05	PJ	
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>					
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	03/20/15 17:57	PJ	
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	467.0	mg/L	03/23/15 13:00	BA	

**QUALIFIERS**

- H This test was performed after expiration of the appropriate regulatory/advisory "hold time"
- E MS and/or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.

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**LABORATORY RESULTS**

Sheaffer Roland (SI Glenwood)  
 Attn: Erik Butler  
 611 Stevens St.  
 Genoa IL, 60134

Date Received: 06/25/15 14:52  
 Report Date: 7/9/2015  
 NPDES/SI Permit Number: 2005-GO-5042  
 Facility Number:  
 Facility Name: Glenwood School

Sample No: 15F2532-01	Collect Date: 06/25/15 10:10
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 1 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.28	pH	06/25/15	16:44		EE
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	21	100ml	06/25/15	16:36		PJ
<b>Total-P as P, by SM4500 F - 1999</b>						
Phosphate, Total as P	0.029	mg/L	06/30/15	10:46		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	06/25/15	18:45		MD
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	< 0.35	mg/L	06/25/15	18:45		MD
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	3.63	mg/L	06/30/15	19:25		MD
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	< 1.00	mg/L	07/08/15	15:37		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	06/29/15	14:44		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	300.0	mg/L	06/30/15	10:00		BA

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 State of Illinois Bacteriological Analysis In Drinking Water Certified Lab Registry No. 17556  
 McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.

Certified by:

Penny Janus, Project Manager



**McHenry Analytical Water Laboratory, Inc.**  
A Crystal Lake Rd. McHenry, IL 60050-4314

Phone: (815) 344 4044 Fax: (815) 344 2208  
Email: www.mchenrylab.com



Sample No: 15F2532-02	Collect Date: 06/25/15 10:20
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.07	pH	06/25/15	16:44	EE	
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	54	100ml	08/25/15	18:36	PJ	
<b>Total-P as P, by SM4500 F - 1999</b>						
Phosphate, Total as P	5.20	mg/L	06/30/15	10:56	PJ	
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	08/25/15	18:57	MD	
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	< 0.35	mg/L	06/25/15	18:57	MD	
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	38.0	mg/L	06/30/15	19:37	MD	
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	11.2	mg/L	07/08/15	15:44	PJ	
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	06/29/15	14:53	PJ	
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	467.0	mg/L	08/30/15	10:00	BA	

Sample No: 15F2532-03	Collect Date: 06/25/15 10:35
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.45	pH	06/25/15	16:44	EE	
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	164	100ml	06/25/15	16:36	PJ	

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Certified by:

Penny Janus, Project Manager





**McHenry Analytical Water Laboratory, Inc.**

A Crystal Lake Rd. McHenry, IL 60050-4314

Phone: (815) 344 4044 Fax: (815) 344 2208

Email: www.mchenrylab.com



Sample No: 15F2532-03	Collect Date: 06/25/15 10:35
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>Total-P as P, by SM4500 F - 1999</b>						
Phosphate, Total as P	2.55	mg/L	06/30/15	10:59		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	06/25/16	20:58		MD
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	8.99	mg/L	06/25/15	20:58		MD
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	7.91	mg/L	06/30/15	20:12		MD
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	27.8	mg/L	07/08/15	15:46		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	06/29/15	14:55		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	400.0	mg/L	06/30/15	10:00		BA

Sample No: 15F2532-04	Collect Date: 06/25/15 10:55
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.22	pH	06/25/15	16:44		EE
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	11	100ml	06/25/15	16:36		PJ
<b>Total-P as P, by SM4500 F - 1999</b>						
Phosphate, Total as P	1.91	mg/L	06/30/15	11:02		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	06/25/15	19:57		MD

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Certified by:

Penny Janus, Project Manager



**McHenry Analytical Water Laboratory, Inc.**  
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Phone: (815) 344 4044 Fax: (815) 344 2208  
 Email: www.mchenrylab.com



Sample No: 15F2532-04	Collect Date: 06/25/15 10:55
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	2.16	mg/L	06/25/15	19:57		MD
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	8.79	mg/L	06/30/15	20:36		MD
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	5.01	mg/L	07/08/15	15:47		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	06/29/15	14:56		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	367.0	mg/L	08/30/15	10:00		BA

**QUALIFIERS**

- F Analyte failed to meet the required acceptance criteria for relative percent difference (RPD) of 20% between the MS and MSD.
- E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.

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**LABORATORY RESULTS**

Sheaffer Roland (SI Glenwood)  
Attn: Erik Butler  
611 Stevens St.  
Genoa IL, 60134

Date Received: 09/17/15 15:05  
Report Date: 9/30/2015  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 1511753-01	Collect Date: 09/17/15 10:15
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 1 Glenwood


Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.36	pH	09/17/15	17:45		BA
<b>Fecal Collform: Membrans-Filter by SM 9222D.</b>						
Collform, Fecal	< 10	100ml	09/17/15	16:45		PJ
<b>Total-P as P, by SM4500 F - 1999</b>						
Phosphate, Total as P	0.143	mg/L	09/30/15	11:36		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	09/17/15	18:44		MD
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	0.66	mg/L	09/17/15	18:44		MD
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	11.6	mg/L	09/22/15	22:39		MD
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	2.88	mg/L	09/22/15	12:27		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	09/25/15	13:10		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	333.0	mg/L	09/24/15	8:37		BA

Sample No: 1511753-02	Collect Date: 09/17/15 10:20
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
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Certified by:   
Penny Janus, Project Manager



**McHenry Analytical Water Laboratory, Inc.**

A Crystal Lake Rd. McHenry, IL 60050-4314

Phone: (815) 344 4044 Fax: (815) 344 2208

Email: www.mchenrylab.com



Sample No: 1511753-02	Collect Date: 09/17/15 10:20				
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 2 Glenwood				
<b>Parameter</b>	<b>Results</b>	<b>Units</b>	<b>Analysis Date &amp; Time</b>	<b>Qualifier</b>	<b>Analyst</b>
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.26	pH	09/17/15 17:45		BA
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	09/17/15 16:45		PJ
<b>Total-P as P<sub>i</sub> by SM4500 F - 1999</b>					
Phosphate, Total as P	5.22	mg/L	09/30/15 11:36		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrite as N	< 0.35	mg/L	09/17/15 18:55		MD
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>					
Nitrate as N	0.41	mg/L	09/17/15 18:55		MD
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>					
Sulfate	42.8	mg/L	09/22/15 23:12		MD
<b>Chloride by LACHAT 10-117-07-1-A</b>					
Chloride	11.4	mg/L	09/22/15 12:26		PJ
<b>Nitrogen Ammonia, SM4500-NH<sub>3</sub> G - 1997</b>					
Nitrogen Ammonia by SM4500NH <sub>3</sub>	< 0.05	mg/L	09/25/15 13:14		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>					
Total Dissolved Solids	500.0	mg/L	09/24/15 8:37		BA

Sample No: 1511753-03	Collect Date: 09/17/15 10:30				
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 3 Glenwood				
<b>Parameter</b>	<b>Results</b>	<b>Units</b>	<b>Analysis Date &amp; Time</b>	<b>Qualifier</b>	<b>Analyst</b>
<b>pH, Electrometric by EPA Method 150.1</b>					
pH	7.28	pH	09/17/15 17:45		BA
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>					
Coliform, Fecal	< 1	100ml	09/17/15 16:45		PJ

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Certified by:   
 Penny Janus, Project Manager



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Phone: (815) 344 4044 Fax: (815) 344 2208  
Email: www.mchenrylab.com



Sample No: 1511753-03	Collect Date: 09/17/15 10:30
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>Total-P as P, by SM4500 F - 1999</b>						
Phosphate, Total as P	0.072	mg/L	09/30/15	11:38		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	09/17/15	19:06		MD
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrate as N	0.72	mg/L	09/17/15	19:06		MD
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>						
Sulfate	23.6	mg/L	09/22/15	23:34		MD
<b>Chloride by LACHAT 10-117-07-1-A</b>						
Chloride	200	mg/L	09/22/15	12:30		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G - 1997</b>						
Nitrogen Ammonia by SM4500NH3	< 0.05	mg/L	09/25/15	13:15		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>						
Total Dissolved Solids	767.0	mg/L	09/24/15	8:37		BA

Sample No: 1511753-04	Collect Date: 09/17/15 10:40
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Results	Units	Analysis Date & Time		Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>						
pH	7.54	pH	09/17/15	17:45		BA
<b>Fecal Coliform: Membrane-Filter by SM 9222D.</b>						
Coliform, Fecal	< 1	100ml	09/17/15	16:45		PJ
<b>Total-P as P, by SM4500 F - 1999</b>						
Phosphate, Total as P	0.306	mg/L	09/30/15	11:41		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>						
Nitrite as N	< 0.35	mg/L	09/17/15	18:17		MD

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Penny Janus, Project Manager



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Email: [www.mchenrylab.com](http://www.mchenrylab.com)



Sample No: 1511753-04	Collect Date: 09/17/15 10:40					
Client ID: Sheaffer Roland (SI Glenwood)	Site: Vault # 4 Glenwood					
<b>Parameter</b>	<b>Results</b>	<b>Units</b>	<b>Analysis Date &amp; Time</b>		<b>Qualifier</b>	<b>Analyst</b>
Nitrate as N by EPA Method 300.0 Rev. 2.1						
Nitrate as N	< 0.35	mg/L	09/17/15	19:17		MD
Sulfate by EPA Method 300.0 Rev. 2.1						
Sulfate	29.7	mg/L	09/22/15	23:44		MD
Chloride by LACHAT 10-117-07-1-A						
Chloride	86.2	mg/L	09/22/15	12:32		PJ
Nitrogen Ammonia, SM4500-NH3 G - 1997						
Nitrogen Ammonia by SM4500NH3	0.11	mg/L	09/25/15	13:16		PJ
Residue, Filterable, Dried at 180 C by SM 2540 C.						
Total Dissolved Solids	567.0	mg/L	09/24/15	8:37		BA

**QUALIFIERS**

- E MS and or MSD associated with analytical batch failed to meet acceptance criteria due to matrix effects.
- D DUP associated with analytical batch failed to meet acceptance criteria of < 20% RPD.

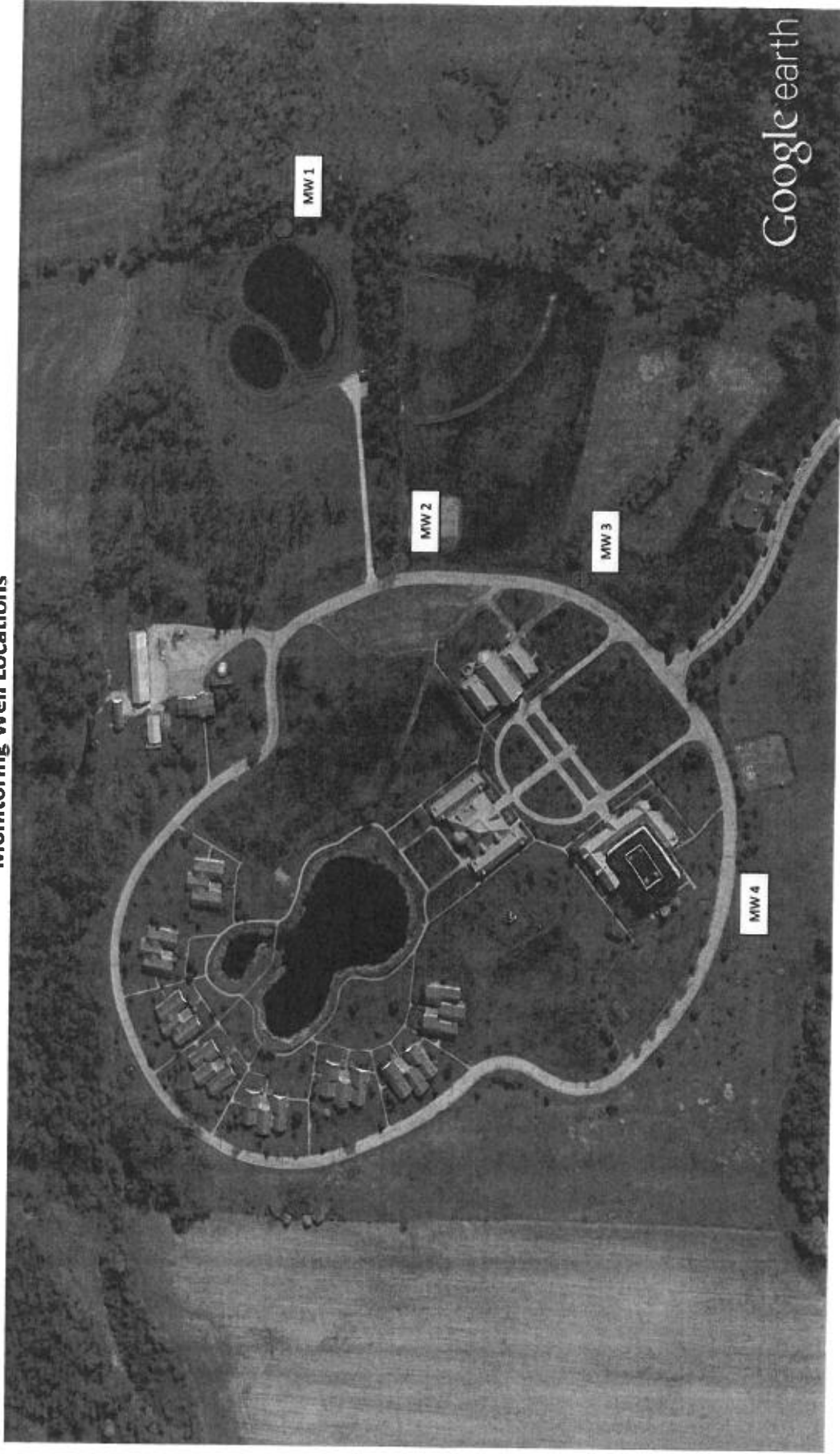
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Certified by:

Penny Janus, Project Manager

**Glenwood Academy  
Monitoring Well Locations**











**Kane County  
Health Department**

**Barbara Jeffers, MPH**  
*Executive Director*

### Memorandum

**Public Health Center**  
1240 N. Highland Avenue  
Aurora, Illinois 60506  
630.208.3801

**TO:** Keith Berkhout, Kane County Building & Zoning Division  
**CC:** Mark VanKerkhoff, Director, Kane County Development and  
Community Services Department

**Public Health Center**  
1750 Grandstand Place  
Elgin, Illinois 60123  
630.208.3801

Ken Anderson, Director, Kane County Environmental & Water  
Resources Division  
**FROM:** Julie Wiegel, LEHP, Assistant Director of Environmental Health,  
Kane County Health Department. *JW*

**DATE:** December 7, 2015

**RE:** Zoning Petition #4364 – 41W400 Silver Glen Road

The Kane County Health Department has reviewed the above petition and has the following comments.

#### **Potable Water System**

Provide a copy of the current Illinois Environmental Protection Agency (IEPA) permit to the County. In addition, please provide a copy of the most recent IEPA inspection report for the potable water system to the Health Department.

#### **Wastewater System**

Provide a copy of the current IEPA permit to the Health Department.

#### **Food Service**

A Food Service Establishment permit is required for any food service establishment where food is prepared and intended for, though not limited to, individual portion service, and includes the site at which individual portions are provided.

An onsite consultation with Kane County Health Department staff will be required to evaluate the current facilities and identify any necessary changes or



updates needed prior to permitting. A plan review is required for any food service area renovations.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 1163-10

PERMIT NO.: 2011-GO-1163

FINAL PLANS, SPECIFICATIONS, APPLICATION  
AND SUPPORTING DOCUMENTS

PREPARED BY: Foulkes Utility Resources, Inc.

DATE ISSUED: March 29, 2011

SUBJECT: GLENWOOD SCHOOL- STP and Spray Irrigation

PERMITTEE TO OWN AND OPERATE

Glenwood School for Boys and Girls  
500 West 187<sup>th</sup> Street  
Glenwood, IL 60425

Permit is hereby granted to the above designated permittee to construct, own and operate water pollution control facilities described as follows:

A. Sewage Treatment Facility

A wastewater treatment facility consisting of a 2 cell mechanically aerated lagoon system with turbo-disc filter and chlorination followed by an irrigation system. The first cell contains 88,600 ft<sup>3</sup> and the second cell has 256,833 ft<sup>3</sup>. The design PE is for 160 with a design average flow to the lagoons of 16,000 GPD.

B. Irrigation System

An irrigation system consisting of pop-up nozzles for land application of wastewater effluent on approximately 4.1 acres of landscaped areas around the administration and school buildings with average weekly application rate of approximately 1.5 inches per week. The irrigation system also includes four monitoring wells in order to sample groundwater quality.

This Permit is issued subject to the following Special Condition(s). If such Special Condition(s) require(s) additional or revised facilities, satisfactory engineering plan documents must be submitted to this Agency for review and approval for issuance of a Supplemental Permit.

This Permit renews and replaces Permit Number 2005-GO-5042 which was previously issued for the herein permitted facilities.

SPECIAL CONDITION 1: An irrigation area with drainage tile cannot be operated when the water table level is above the invert of the drainage tile unless the crown of the tile is at least 4 feet from the soil surface.

SPECIAL CONDITION 2: The operation of this slow rate land application system shall be under a certified operator as required under Title 35, Subtitle C, Chapter 1, Part 312-Treatment Plant Operator Certification. This facility, which includes the wastewater treatment plant, irrigation pumps, and land irrigation area(s) shall be under the exclusive control of the certified operator. Control of the irrigation system by anyone other than the certified operator shall be a violation of


Page 1 of 4

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

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DIVISION OF WATER POLLUTION CONTROL

cc: EPA-Des Plaines FOS  
Foulkes Utility Resources, Inc.  
Glenwood School for Boys and Girls  
Records - Municipal  
Binds

  
Alan Keller, P.E.  
Manager, Permit Section

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 1163-10

PERMIT NO.: 2011-GO-1163

FINAL PLANS, SPECIFICATIONS, APPLICATION  
AND SUPPORTING DOCUMENTS

PREPARED BY: Foulkes Utility Resources, Inc.

DATE ISSUED: March 29, 2011

SUBJECT: GLENWOOD SCHOOL- STP and Spray Irrigation

this permit.

SPECIAL CONDITION 3: Storage of wastewater must be provided when groundwater or saturated soil conditions do not permit irrigation.

SPECIAL CONDITION 4: The land irrigation system shall be operated at an average weekly application rate of 1.50 inches with the following maximum rates depending upon climatic conditions:

- Maximum hour - 0.25 inches
- Maximum day - 1.00 inches
- Maximum week - 3.00 inches

Any precipitation received during the 24 hour period prior to irrigation shall be subtracted from the 1.0 inch maximum day rate to determine the maximum day application rate that can be applied.

SPECIAL CONDITION 5: The operational portion of this permit expires on February 29, 2016 and is subject to renewal at that time.

SPECIAL CONDITION 6: The following monitoring is required:

Parameter	Data	Sample Frequency
Influent Flow	Monthly Avg., Daily Max. (mgd)	Continuous
Lagoons	Water Level	Weekly
Groundwater		
1. Nitrate	Conc. (mg/L)	Quarterly
2. Nitrite	Conc. (mg/L)	Quarterly
3. NH <sub>3</sub>	Conc. (mg/L)	Quarterly
4. Chloride	Conc. (mg/L)	Quarterly
5. Sulfates	Conc. (mg/L)	Quarterly
6. pH	Units	Quarterly
7. Total Dissolved Solids	Conc. (mg/L)	Quarterly
8. Phosphate	Conc. (mg/L)	Quarterly
9. Fecal Collfrom	#/ 100 mL	Quarterly

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Chlorine Residual of Wastewater Effluent Applied to Land	Conc. (mg/L)	Daily
Wastewater Effluent Applied to Land	inches/day	Daily

Quarterly reports shall be submitted to:

Manager, Region 2  
Field Operations Section DWPC  
Illinois Environmental Protection Agency  
9511 West Harrison Street  
Des Plaines, Illinois 60016

These reports should be received on January 15, April 15, July 15, and October 15 each year.

A copy shall also be submitted to:

Illinois Environmental Protection Agency  
Division of Water Pollution Control  
Permit Section  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, IL 62794-9276  
(217) 782-0610

SPECIAL CONDITION 7: The spray irrigation system shall not be operated when the water table in the irrigation area is within 4 feet of the soil surface. A 4 feet layer of soil or more must be maintained in an aerobic condition prior to spray irrigation. The monitoring wells must be monitored for ground water level at the beginning of each irrigation week and the groundwater levels recorded.

SPECIAL CONDITION 8:

- A. Treated wastewater shall be applied to sites within the following guidelines:
1. It shall not be applied to sites during precipitation.
  2. It shall not be applied to sites which are saturated or with ponded water.
  3. It shall not be applied to ice or snow covered sites or when the ground is frozen.
  4. It shall not be applied when winds exceed 15 mph.
- B. It is recommended that treated wastewater not be applied to the site when precipitation is imminent.
- C. Treated wastewater shall not be applied to land which lies within 200 feet from surface waters, intermittent streams, wells or other water supplies.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL PERMIT

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SPECIAL CONDITION 9: The outer edge of the area wetted by the spray mist shall not be closer than 200 feet from any existing or proposed potable water supply well.

SPECIAL CONDITION 10: This permit is issued with the expressed understanding that there shall be no surface discharge from these facilities. Should any such discharge be anticipated, the permittee shall apply for an NPDES permit at least 180 days prior to such discharge.



Midwest Office  
Sheaffer & Roland Inc. | 611 Stevens St | Geneva | IL 60134

telephone: (630) 208-9898 | fax: (630) 208-9895  
information@sheafferandroland.com | sheafferandroland.com

December 14, 2015

Keith Berkhout  
Kane County Building & Zoning Division  
719 Batavia Avenue  
Geneva, IL 60134

**Re: Zoning Petition #4364  
40W400 Silver Glen Road (Glenwood Academy)  
Campton Township**

Dear Mr. Berkhout:

We have received the Memorandum dated December 7, 2015 in regards to the above referenced project from Julie Wiegel, LEHP, Assistant Director of Environmental Health, Kane County Health Department. We have listed below the comments along with our responses on the Potable Water System and the Wastewater System.

#### Potable Water System

**Comment 1:** Provide a copy of the current Illinois Environmental Protection Agency (IEPA) permit to the county. In addition, please provide a copy of the most recent IEPA inspection report for the potable water system to the Health Department.

***Response:*** The water supply, Facility ID IL0890080 is currently on the inactive list due to low population served. Sheaffer & Roland continues to follow routine sample requirements and independent lab testing of the water supply. Discussions with the IEPA indicate that a change of ownership notification will put the facility back on active status. At that time the local IEPA field office will conduct any necessary inspections of the facility.

#### Wastewater System

**Comment 1:** Provide a copy of the current IEPA permit to the Health Department.

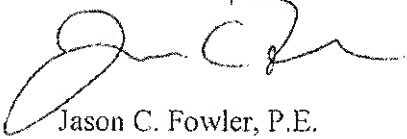
***Response:*** A copy of the current permit is attached.



Keith Berkhout  
December 14, 2015  
Page 2 of 2

Should you have any questions, please contact us.

Sincerely,  
SHEAFFER & ROLAND, INC.

A handwritten signature in black ink, appearing to read "Jason C. Fowler". The signature is fluid and cursive, with a large loop at the beginning and a long tail extending to the right.

Jason C. Fowler, P.E.  
Vice President

Enclosure

Cc: Mark VanKerkhoff, Director, Kane County Development & Community Services Dept.  
Ken Anderson, Director, Kane County Environmental & Water Resources Division  
Julie Wiegel, LEHP, Asst. Director of Environmental Health, Kane County Health Dept.



# RYAN ANTHONY BAILEY

505 70<sup>th</sup> Street • Darien, IL 60561 • (630) 738-1013 • RyanBailey33@gmail.com

## EXPERIENCE

---

### **Murer Consultants, Inc., Mokena, IL**

*Senior Consultant*, Jan. 2015 – Present / *Consultant*, March 2014 – December 2014

- Consult healthcare providers regarding strategic operations in areas such as negotiation and implementation of transactions (mergers/acquisitions, physician contracting, etc.), facility feasibility and development, and other performance improvement projects as identified
- Develop innovative physician alignment models while navigating applicable fraud and abuse standards, including the development of clinical integration and co-management models utilizing quality data metrics
- Address compliance issues and conduct audits with regard to Medicare certification, billing/coding, fraud and abuse, HIPAA, the 340B Drug Pricing Program and state-specific licensure/certificate of need regulations
- Draft policies and procedures and prepare regulatory filings for hospitals and other health care providers as needed

### **Esp Kreuzer Cores LLP, Wheaton, IL**

*Associate Attorney*, Aug. 2012 – February 2014 / *Law Clerk*, Aug. 2011 – Aug. 2012

- Developed and implemented litigation strategies in medical malpractice, insurance defense and family litigation

### **Susan E. Loggans & Associates, P.C., Chicago, IL**

*Law Clerk*, May 2011 – Aug. 2011

- Researched and drafted pleadings and memoranda of law in medical malpractice and personal injury litigation

### **Judge Robert Gordon, Illinois Appellate Court, First District, Chicago, IL**

*Judicial Extern*, Dec. 2010 – May 2011

- Assisted Appellate Court judge in analyzing and deciding criminal and civil appeals and drafting court orders

### **American Medical Association, Chicago, IL**

*Legal Internship*, May 2010 – Aug. 2010

- Studied legislative developments and drafted advisory documents for the AMA Council on Ethical and Judicial Affairs, on topics such as HIPAA compliance, PHS funding regulations, Joint Commission accreditation, and CMS conditions for participation
- Drafted four articles published by the AMA: *The Case of Anna Pou: Physician Liability in Emergency Situations; The LGBT Community, Health Policy, and the Law; Testing Manufacturer Liability in FDA-Approved Device Malfunction; Layman's Guide to Public Health Service Funding and Financial Conflicts of Interest*

## EDUCATION

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### **DePaul University College of Law, Juris Doctor, Chicago, IL – Conferred, May 2012**

- Editor of the DePaul Journal of Health Care Law
  - Article selected for publication: *Obesity and the Internal Revenue Code: Deducting Costs of Diet Food Items Incorporated in Physician-Prescribed Weight-Loss Programs*
- Board Member of the DePaul Institute of Health Care Law
- Obtained Business Law Certificate

### **University of Illinois, Bachelor of Arts, Champaign-Urbana, IL – Conferred, Aug. 2008**

- Double-majored in English and Spanish
- Studied abroad in Granada, Spain

## BAR ADMISSION

---

State of Illinois – Nov. 2012





## MONICA HON

19065 Hickory Creek Drive, STE 115, Mokena, IL 60448 / 708-478-7030 / mhon@murer.com

### HEALTHCARE MANAGEMENT, ADMINISTRATION & REGULATORY COMPLIANCE SPECIALIST

- ❑ **Respected Health Care Manager & Regulatory Compliance Specialist.** Extensive experience in leading successful health care and regulatory compliance and project management initiatives, including problem solving and innovative troubleshooting. Proven track record of implementing targeted action plans to maximize productivity, efficiency, and performance while reducing costs and controlling risk. Lead various culture building projects within controversial transitions while maintaining company-wide buy-in and positive output. Successful implementation of System Integration projects involving acquisition, provider based status and Clinical co-management arrangements as well as NCQA, Joint Commission and CARF accredited programs in various provider services including short and long term acute as well as assisted living.
- ❑ **Dynamic Relationship Builder.** Effective communicator and liaison, known for building strategic partnerships and alliances as well as development of integrated delivery systems. Motivates and energizes diverse cross-functional teams as a key resource, critical thinker, and out-of-the-box problem solver. Successful development and implementation of various cultural change/accommodation projects related to acquisitions and mergers. *Bilingual in English and Spanish.*
- ❑ **Training Professional.** Solutions-focused, motivated professional with a progressive career path in managing and training a diverse range of HR/Compliance managers, employees, and administrative staff at hospitals. Drafted policy and training manuals, tools and presentations for entire programs. Highly versatile; quickly masters new roles, responsibilities, technologies, and environments. Reputation for integrity, dedication, and work ethic.

### CORE COMPETENCIES

Team Leadership • Health Care • Efficient Troubleshooting • Strategic Planning • Process Improvement • Risk Management • Quality Control • Project Management • Staff Training & Motivation • Presentations & Negotiations  
Regulatory Compliance • Relationship Building • Proactive Problem Solving • Integration of Technology • Attention to Detail • Program Design & Development • Medicare/Medicaid Parts A, B, D Compliance • Meaningful Use • Provider-Based Status • 340B Audit • Clinical Co-Management • Recruitment and Human Resources • Third Party Payer Contract Drafting and Negotiation • RFP and Proposal Drafting and Negotiation • Development and Implementation of Policy and Procedure Manuals • Development and enhancement of new product lines • NCQA, URAC • Total Quality Management (TQM)/Continuous Quality Improvement (CQI) concepts

### ACHIEVEMENT HIGHLIGHTS

- Developed a stellar reputation as a primary resource for Health System Compliance and Quality Programs for up-to-date legislation, analysis, troubleshooting and assistance for optimum performance.
- Successfully implemented health system integration projects to optimize managed care and Medicare reimbursement including medical record and technology integration
- Collaborated with a diverse range of healthcare organizations to assist them with the constant changing regulatory healthcare world. Optimized regulatory compliance programs; oversaw physician-owned entities and acute care hospitals, LTACH and related facilities on a nationwide scale as well as interim administrator and manager of said facilities.
- Ensured Federal and State regulatory compliance, including licensure, managed care negotiations, HIPAA, Office of Civil Rights, Medicare Conditions of Participation, Certificate of Need, NCQA, and the Joint Commission.



## EDUCATION

Juris Doctor

Loyola University Chicago School of Law, Chicago, Illinois

Bachelor of Arts, English

University of Illinois, Chicago, Illinois

## PROFESSIONAL EXPERIENCE

Murer Consultants, Inc., Joliet, Illinois

**Vice President (2006-Present)**

**Senior Consultant (2005-2006)**

**Consultant (2003-2005)**

Maintain full accountability for leading a diverse range of multi-million dollar projects involving strategic problem solving, optimum regulatory compliance, and troubleshooting. Train, mentor, and supervise consultants and hospital executives throughout the country in Human resources, Training and Competencies, RAC/MAC audits, HIPAA, Stark, Operations, Regulatory Compliance, and Fraud Prevention.

- Specialize in the analysis and implementation of various integration projects related to Hospital and Physician partnerships, acquisitions, clinical co-management and ACO concepts in conjunction with the efficient utilization of Medicare provider based status
- Apply strategic planning and management skills toward leading a cross-functional team of consultants with the management of multiple acute care hospitals, with an emphasis on integration of providers, regulatory compliance, operations, staff recruitment, training and retention as well as budget analysis and project feasibility.
- Implemented new programs including policies and procedures and framework for execution by provider staff
- Provided oversight of clinical and administrative staff including assessments of competencies and subsequent training and follow up programs

### Additional Experience

Chicago Northwestern Railroad, Chicago, Illinois

#### **Compliance & Client Relations**

Coordinated multiple simultaneous projects to maximize efficiency and achieve critical timelines. Managed and facilitated the timely performance of high-dollar shipments in accordance with Federal and transportation laws.

Trained, mentored, and managed team members in accordance with organizational goals; monitored staff proficiency levels and work output in compliance with company policies.

- Optimized operations by coordinating train positioning, updating data, and resolving client billing discrepancies within established budgets and time constraints.
- Strategically led projects to ensure on-time, requirements-compliant completion while maintaining high quality standards.

Spiegel, Inc., Oak Brook, Illinois

#### **Loss Prevention Analyst / Customer Service**

Exhibited critical thinking talents in proactively identifying issues and developing and implementing targeted process improvement solutions, integral to streamlining workflow and boosting productivity.

- Maximized human resource performance by conducting annual evaluations, clearly defining skill gaps, providing strategic training / professional development solutions.

**VOLUNTEER EXPERIENCE:** Board of Directors - LaSalle County C.A.S.A. (Court Appointed Special Advocates) and Youth Softball Program Management and Fundraising

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- Optimized operations by coordinating train positioning, updating data, and resolving client billing discrepancies within established budgets and time constraints.
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**VOLUNTEER EXPERIENCE:** Board of Directors - LaSalle County C.A.S.A. (Court Appointed Special Advocates) and Youth Softball Program Management and Fundraising





## CAMPTON HILLS POLICE DEPARTMENT

Daniel N. Hoffman, Chief of Police

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**TO:** Plan Commission, Village of Campton Hills

**FROM:** Chief Dan Hoffman

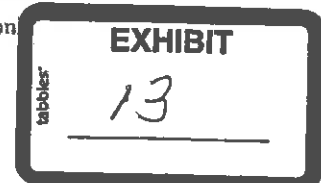
**DATE:** October 22, 2012

**SUBJECT:** KIVA Facility Impact on Local Law Enforcement

The Campton Hills Police Department recently conducted a study regarding the potential impact on local law enforcement if the KIVA Clinic was to be incorporated within the borders of the Village of Campton Hills. We were given a list of facilities, both locally and nationally, which offered similar programs that catered to similar clients, as would the KIVA Clinic. We then contacted each clinic as well as the local law enforcement agency, which had jurisdictional responsibility to respond to calls for service at each facility. Following is a list of the facilities and the law enforcement agency contacted:

Facility	Location	Responsible Law Enforcement Agency
Sierra Tucson	Tucson, AZ	Plima County Sheriff's Department
Cirque Lodge	Sundance, UT	Utah County Sheriff's Department
The Ranch	Nunnely, TN	Hickman County Sheriff's Department
Caron	Wernersville, PA	South Heidelberg Twp. Police Department
Hazelton	Center City, MN	Center City Police Department
Passages	Mallbu Beach, CA	Los Angeles County Sheriff's Department
Promises	Mallbu Beach, CA	Los Angeles County Sheriff's Department
Talbot Recovery	College Park, GA	College Park Police Department
Crossroads	Lakewood, WA	Lakewood Police Department
Linden Oaks	Naperville, IL	Naperville Police Department
Resurrection Health	DesPlaines, IL	DesPlaines Police Department
Rosecrance	Rockford, IL	Rockford Police Department
Betty Ford	Rancho Mirage, CA	Riverside County Sheriff's Department

The above listed facilities are broken down into two distinct types of facilities. The majority of the facilities, from Sierra Tucson to Crossroads are primarily in-patient addiction clinics, whose primary function is the treatment of addictions. The remaining four are addiction clinics, shown in bold print, housed in a hospital facility. As such, the disparities of calls for service differ greatly. The stand-alone clinics generally average approximately 5-10 calls for service to their local law enforcement agency per year. The clinics based in a hospital setting averaged over 100 calls for service to law enforcement per year. However, in speaking with the law enforcement agencies that respond to those settings, it is difficult to extrapolate the calls for the addiction clinic as opposed to the calls for the hospital in general.





## CAMPTON HILLS POLICE DEPARTMENT

Daniel N. Hoffman, Chief of Police

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Additionally, many of the clinics based in hospitals accept court-mandated patients as a condition of their sentence whereby the stand-alone clinics generally do not.

In speaking with local law enforcement, which had police responsibility to the facilities in their jurisdiction, it appears that the facilities in their jurisdiction do not make up an inordinate amount of calls for police service. Calls for service ranged from theft, criminal damage, disturbance, and patient walk-aways to attempted suicide. Of those calls, the majority of them were for notifications of patients that walked away from the facility and/or for medically related issues. Additionally, to reduce calls for service to law enforcement, several of the larger clinics have on staff and/or a security team, who attempt to intervene on incidents to mitigate police intervention.

Several law enforcement representatives expressed frustration when responding to calls at the clinics over issues dealing with patient confidentiality and HIPAA rules and regulations. They advised that often times, clinic staff err on the side of the patient in refusing to release information to law enforcement, which often times stymies investigations they are called to intervene on.

Based upon my investigation, it is my conclusion that the inclusion of the KIVA Clinic within the Village limits will impact the calls for service to the Campton Hills Police Department. However, the impact could be mitigated tremendously if they plan accordingly and include the following:

- Develop an on-site security team and security processes
- Take only private, non-court ordered patients
- Develop a process of communication with law enforcement, consistent with the HIPAA rules, which will assist, not hamper, law enforcement's intervention in incidents occurring on-site.