

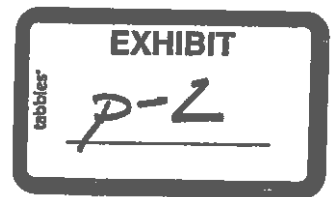
Maxxam Partners, LLC

Witness List

- F. Keith Brown, Esq. – Meyers & Flowers, LLC
- Andrew E. Kolb, Esq. – Meyers & Flowers, LLC
- Christopher Lannert – Lannert Group
- Monica Hon – Murer Consultants, Inc.
- Ryan Bailey – Murer Consultants, Inc.
- Michael S. MaRous – MaRous & Company (Market Impact Study)
- Hart M. Passman – Holland & Knight, LLP
- Peter Poletti – Poletti & Associates
- John Sheaffer, Jr. - Sheaffer & Roland, Inc.
- William Woodward – KLOA – Kenig, Lindgren, O’Hare, Aboona, Inc.
- Trina Diedrich – Illinois Department of Human Services’ Division of Alcoholism and Substance Abuse
- James Marcus – Independent validation of findings within Retreat Letter







**Trina M. Diedrich, Ph.D.**  
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Springfield, IL 62702  
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**EDUCATION** Doctor of Philosophy: Benedictine University      International Certified Alcohol and Other Drug Counselor  
Master of Science: Human Service Administration      Certified Recovery Support Specialist  
Bachelor of Arts: Liberal Studies

**EXPERIENCE**

04/03 to Present      **Illinois Department of Human Services: Division of Alcoholism and Substance Abuse, Springfield, IL**  
Mental Illness Substance Abuse (MISA) Manager

Served as the statewide specialist and manager of programs for consumers with co-occurring mental illness and substance use disorders. Evaluated mental health and drug treatment organizations for the State of Illinois. Prepared reports, developed and interpreted policy, rules and administrative law for providers. Represented the Department of Human Services: Division of Alcoholism and Substance Abuse at provider functions, federal and state agencies and the general public. Presented ongoing training in the treatment and recovery of co occurring disorders throughout the State of Illinois.

01/01 to 12/01      **Rockford MELD, Inc., Rockford, IL**  
Case Coordinator

Responsible for coordinating all client care at homeless shelter for pregnant and parenting teenage mothers. Supervised and facilitated support groups for homeless young mothers. Assisted young mothers in networking and obtaining public and private housing, educational programs, employment training and governmental aid programs. Worked closely with community agencies to assure quality and continuity of care for the family. Recruited, trained and supervised several hundred volunteers to work with young mothers in various programs. Coordinated and maintained daily operations of facility with the manager. Conducted in house trainings for staff.

08/96 to 11/00      **Rosecrance Health Network, Inc., Rockford, IL**  
Rosecrance on Alpine: Assessment Counselor

Completed chemical dependency assessments for adolescent clients and their families. Recommended appropriate level of care for individuals based on American Society of Addiction Medicine Criteria. Counseled families and individuals during interventions. Obtained insurance benefits for patients needing treatment. Networked with referral sources in creating a treatment admission and discharge plan.

Monarch Recovery Home: Primary Counselor

Supervised chemically dependent adolescent females in a recovery home setting. Conducted individual, group, and family counseling sessions. Provided clinical documentation of all services in compliance with state regulations. Assisted Director in daily operation of organization. Developed goals and objectives for the recovery home program. Generated reports for the Performance Improvement and Utilization Review Board. Provided weekly training to staff working in the Recovery Home.

Rosecrance on Alpine: Primary Counselor

Conducted group, individual, and family counseling for chemically dependent adolescents in a short term residential treatment center. Assumed case management responsibilities for patients, including networking with community agencies to assure mandatory standards of care. Prepared clinical documentation, presented case histories, and maintained records in accordance with licensing and accreditation standards.

08/90 to 12/92      **Rockford MELD, Inc., Rockford, IL**  
Site Coordinator

Coordinated support and educational groups for pregnant and parenting adolescent females. Trained, recruited, and supervised several hundred volunteers to work in various locations throughout the community. Assisted Executive Director in maintaining operations of the agency. Composed grant proposals and developed budgets for programs. Managed agency communication with media and other community organizations.



Bruce Rauner, Governor



James T. Dimas Secretary

319 East Madison, Suite 2D • Springfield, Illinois 62701-1035

November 17, 2015

To Whom it May Concern;

The purpose of this letter is to confirm the need of a proposed alcoholism and substance abuse treatment facility in Kane County, Illinois.

There are 66 DASA-approved Methadone programs in Illinois. All but four are Outpatient programs. The four are: Cornell Interventions – Southwood (Chicago); Specialized Assistance Services, Inc. – Branden House (Manteno); Women's Treatment Center – Chicago; and Cermak Health Services, Cook County Jail, (Chicago). Over 90% of methadone is dispensed in outpatient free standing facilities not attached to a hospital or treatment center.

The facility being discussed is significantly different from all but four programs. The treatment center being proposed does not provide outpatient methadone treatment. Further, the center is exceptionally different from a 'methadone clinic' in that your program will be composed of several levels of care which would not be present in a free standing outpatient only clinic (the word clinic and treatment center are used here interchangeably). These include residential detoxification and substance abuse treatment facilities which are highly specialized medically supervised centers.

There are 58 remaining providers who have outpatient only free standing facilities. This supports the data that the majority of methadone replacement treatment takes place in an outpatient free standing facility. They provide dosing of methadone through outpatient treatment only and may not offer adjunct services like individual, group or DUI assessment and treatment.

The State of Illinois does not have group homes that are used for substance abuse treatment. In fact Illinois has gone to great length in policy and legal actions to assure individuals with substance use disorders are not admitted or residing in a group homes or Institute for Mentally Diseased (IMD). {(Williams v. Quinn, 2005) (Williams Consent Decree 2010)} Group homes would most likely be a term used by the Illinois Division of Developmental Disabilities to describe housing where clients may reside for many years.

I hope this information is helpful. Please let me know if I can be of further assistance.

Sincerely,

*Trina M. Diedrich, PhD, ICAADC, CRSS*

Trina M. Diedrich, PhD, ICAADC, CRSS  
Public Service Administrator





December 14, 2015

To Whom It May Concern:



As Chairman and CEO of VOA Associates Incorporated, based in Chicago, Illinois, I have managed more than 25 million square feet of significant architectural and design projects in the past 37 years. I am the author of *Design For a Town Center* and have been a guest critic and lecturer at the University of Illinois Champaign's School of Architecture.

I was one of the original architects of the Glenwood School for Boys West Campus. In all of my years and amongst all my projects, I could not imagine a better design for the use proposed by Applicant, an alcoholism and substance abuse treatment facility. This adaptive reuse will maximize the potential of the campus and master plan.

Sincerely,

**VOA Associates Incorporated**

  
Michael A. Tools, AIA, LEED AP  
Chairman and CEO







## William R. Woodward

*Senior Consultant*

### Education

Bachelor of Science in Civil Engineering  
Illinois Institute of Technology

### Professional Associations

Institute of Transportation Engineers

### Experience

Mr. Woodward is a traffic and transportation engineer with more than 14 years of experience. He has served as project manager or project engineer on a variety of private and public sector projects with a focus on traffic impact, parking demand, traffic simulation and operations analysis, shared parking, freeway access studies, traffic signal design and warrant studies. Mr. Woodward also regularly appears as an expert witness at public hearings.

### Representative Projects

• Traffic Impact Studies: Numerous studies of retail developments, hospitals, commercial, residential, industrial, institutional, casinos, parks, event centers, and mixed-use developments throughout the greater Chicago area, including:

- Mariano's Fresh Market developments
- Walmart Supercenter retail developments
- Walmart Market developments
- Meijer store retail developments
- Menard's retail developments
- Walgreen's Pharmacy
- CVS Pharmacy
- McDonald's
- Rivers Casino; Des Plaines, IL
- MB Financial Park; Rosemont, IL
- Advocate Christ Medical Center; Oak Lawn, IL
- Northwest Lake Forest Hospital; Lake Forest, IL
- Northwest Lake Forest Hospital; Grayslake, IL
- OSF St Francis Medical Center; Peoria, IL
- OSF St Anthony Medical Center, Rockford, IL
- Rush-Copley; Aurora, IL
- Loyola University Medical Center; Maywood, IL
- Gateway development; Chicago, IL
- Speedway Convenience Centers
- Chicago Park District Field Houses
- Chicago Public Libraries
- Chicago Public Schools (elementary and high school)
- Chick-fil-A restaurants



- Campus Traffic/Parking Planning: University of Chicago, University of Chicago Medical Center, Rush-Copley Medical Center, Advocate Christ Medical Center, Paradise Valley Mall, Phoenix, AZ.
- Traffic Safety/Calming Studies: Advocate Christ Medical Center, Oak Lawn, IL; Loyola University Medical Center, Maywood, IL; Gateway development, Chicago, IL; Northwestern Lake Forest Hospital, Lake Forest, IL.
- Traffic Signal/Multiway Stop Warrant Studies: Rivers Casino Main Entrance, Des Plaines, IL; Menard's development, West Chicago, IL; Culligan redevelopment, Glenview, IL; Advocate Christ Medical Center, Oak Lawn, IL; Walmart Supercenter developments, Meijer store developments, Mariano's grocery store developments.
- Traffic Simulation/Operations Analysis: Dundee Road (IL 68), Wheeling, IL; Saratoga, IL; IL 47/IL 56 Interchange, Sugar Grove, IL; Pleasant Prairie, WI; Gateway development, Chicago, IL; Menard's, Melrose Park, IL; Montrose Corridor near Clarendon in Chicago, IL.
- Pedestrian Studies: Writers' Theatre, Glencoe, IL, Advocate Christ Medical Center, Oak Lawn, IL, McDonald's redevelopments, Chicago – citywide. Bus transit station, Peoria, IL; Union Station, Chicago, IL, Chick-fil-A restaurants.
- Parking Demand and Shared Parking Studies: Retail developments, hospital campuses, business districts, single and mixed-use projects, including Home Depot retail developments, Advocate Christ Medical Center, Oak Lawn, IL; OSF St Anthony Medical Center, Rockford, IL; Rush-Copley Medical Center, Aurora, IL.



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Date: November 16, 2015

To: Mark VanKerkhoff, AIA, Zoning Enforcement Officer  
Zoning Board of Appeals

From: Andrew E. Kolb

Re: Appeal dated October 30, 2015, in relation to Maxxam Partners, LLC – Special Use  
Petition 4364

## I. ZONING

**1. Objector's Assertion:** Enforcing Officer's decision not to follow the procedures of the Kane County Zoning Ordinance must be reversed. (Paragraph 27)

**Applicant's Response:** Applicant agrees with the assertions set forth in the memorandum dated November 12, 2015 issued by Mark VanKerkhoff. In further support of the County's Zoning Enforcement Officer interpretation of the zoning issues raised Applicant resubmits its Rider and related legal and expert opinions Applicant submitted with its Special Use application on August 31, 2015.

### *Analysis of Section 5.15*

Applicant raised Section 5.15 of the Kane County Zoning Ordinance within its Application for Special Use solely to illustrate how similarity is handled in the Ordinance in a variety of situations. Section 5.15 (*is similar to all other sections within Section 5 which dictate how one must comply operationally and physically in order to keep their already issued permit active and compliant with all related regulations*) provides a process for an Applicant to petition the County to amend the Zoning Ordinance by adding non-enumerated land uses consistent and similar to existing enumerated uses to any section that such enumerated uses are listed for the purpose of providing Applicants with issued permits and special use permits the ability to use their already issued permits for previously non-listed uses without requiring Applicant to petition the County to issue a new permit. Such application for a new permit requires a legislative action for approval as opposed to Section 5.15 which allows Applicant to apply for an Administrative action that is a more expeditious process. Unfortunately, as per the attached Memorandum prepared by the Lannert Group dated November 17, 2015, in the case of this property, it is impossible for Applicant to utilize Section 5.15 because the currently issued special use is so specific to the current owners' unique use that any new owner would be compelled to submit an application for the issuance of a new permit.



## II. SIMILARITY

**2. Objector's Assertion:** Applicant's Proposed Use is fundamentally different from a Hospital. (Paragraph 27)

**Applicant's Response:** Applicant incorporates herein each of Applicant's arguments regarding similarity as set forth within the Applicant's Rider to Application for Special Use (together with all materials incorporated herein collectively the "**Rider**").

**3. Objector's Assertion:** Applicant's proposed use, an Alcoholism and Substance Abuse Treatment Facility, differs from a hospital because unlike a hospital, Applicant's proposed facility is not "an institution *open to the public*". (Paragraph 27)

**Applicant's Response:** Objector's assertion is incorrect. Applicant asserts that the term "Hospital" encompasses all types of hospitals. Many hospitals have a limited scope of services. Further, Hospitals can be publicly or privately owned. As per the Emergency Medical and Treatment Labor Act (EMTLA), privately-owned hospitals may turn away patients in a non-emergency situation; Applicant's proposed facility is privately-owned and similar to a privately-owned hospital may deny certain members of the public *that do not meet the criteria required for admission*.

**4. Objector's Assertion:** Illinois law recognizes "hospitals, whether private or publicly owned, are institutions *operated largely for the benefit of the community* by the care and treatment of bed patients" and therefore Applicant's proposed use is not similar to a Hospital. (Paragraph 27)

**Applicant's Response:** The Objector's assertion supports the Applicant's position that an Alcoholism and Substance Abuse Treatment Facility is similar to a Hospital because Applicant's proposed facility will be operated largely for benefit of the community by the care and treatment of bed patients and will be privately owned.

**5. Objector's Assertion:** The definition of a Hospital does not consider the residential component of the proposed use. (Paragraph 28)

**Applicant's Response:** The Objector's assertion is incorrect. The definition of "Hospital" does consider the residential component of the proposed use because as per Applicant's detailed list of relevant hospitals in Illinois included in the Murer Consultants, Inc. expert opinion that corroborates the similarity between the proposed use and a Hospital (Tab #11 of the Rider), many Hospitals in Illinois provide inpatient residential alcoholism and substance abuse treatment within the hospital.

**6. Objector's Assertion:** The projected average duration of stay at the proposed facility is potentially 625% or 1,875% longer than the average hospital stay and thus, the proposed use differs from a Hospital. (Paragraph 28)

**Applicant's Response:** Objector asserts that "the average hospital stay is 4.8 days." Objector attempted to mislead the ZBA by not qualifying Objector's statistic. Objector left out from its assertion that such statistic is only related to "short-stay Hospitals."

The Objector's assertion is incorrect because it bases its assertion on inappropriate statistics, *Centers for Disease Control and Prevention, FastStats: Hospital Inpatient Care, National Hospital Discharge Survey: 2010 Table, Number and Rate of Hospital Discharges*, [http://www.cdc.gov/nchs/data/nhds/1general/2010gen1\\_agesexalos.pdf](http://www.cdc.gov/nchs/data/nhds/1general/2010gen1_agesexalos.pdf), related to the average length of stay in Hospitals. As per the American Hospital Association's most recently issued statistics related to Hospitals' utilization, AHA Hospital Statistics (2015 Edition), "Nonfederal Long-Term General and Other Special Hospitals" average length of stay (LOS) is 71.7 days. (AHA Hospital Statistics (2015 Edition), Page 8) According to the American Hospital Association, LOS is defined as:

"Length of Stay (LOS): LOS refers to the average number of days a patient stays at the facility. Short-term hospitals are those where the average LOS is less than 30-days. Long-term hospitals are those where the average LOS is 30-days or more. The figure is derived by dividing the number of inpatient days by the number of admissions." (AHA Hospital Statistics (2015 Edition), Page 206)

Applicant asserts in its Application that the average length of stay for patients in its proposed facility will be 30-to-90 days. As such, these appropriate exemplify and support that similarity between a hospital and an Alcoholism and Substance Abuse Treatment Facility.

**7. Objector's Assertion:** Illinois law recognizes that alcoholism and substance abuse treatment facilities and hospitals are different. (Paragraph 29)

**Applicant's Response:** Applicant incorporates herein the opinions and assertions set forth on Page 3 (Paragraph 2) of the expert opinion authored by Murer Consultants, Inc. dated June 17, 2015. Moreover, Illinois law recognizes that a hospital and alcoholism and substance abuse treatment facility are so similar from a licensing standpoint, that in order not to unnecessarily burden Alcoholism and Substance Abuse Treatment Facilities, the legislature carves out such facilities from the burden of Hospitals' more intensive licensure process that is outlined in the Hospital Licensing Act. The Objector's assertion that hospitals are exempt from the licensure requirements because the services are covered within the scope of the Hospital Licensing Act actually supports Applicant's position regarding the similarity between alcoholism and substance abuse treatment facilities and hospitals because a Hospital does not need to apply for a separate license to provide inpatient residential alcoholism and substance treatment.

**8. Objector's Assertion:** The Applicant's proposed facility differs from a hospital because Applicant's proposed facility will not "set broken bones, perform minor or major surgeries, fight infection, take X-Rays, perform MRI's, deliver babies or provide other basic services commonly associated with a public hospital." (Paragraph 30)

**Applicant's Response:** As noted earlier in this document, the Objector's argument disregards and ignores the existence of many hospitals that do not provide, are not required to provide, and are not capable of providing all of the services listed above. For example, psychiatric hospitals do not deliver babies and typically do not have an orthopedic surgeon on staff.

**9. Objector's Assertion:** The Objector claims that the Illinois Supreme Court has conclusively determined that a "detoxification facility" is dissimilar to a Nursing Home. (Paragraph 32)

**Applicant's Response:** The Objector's reliance upon *Pallela* is unfounded for two primary reasons to wit:

- (a) ***Pallela* involved the Court's examination of the four corners of an existing special use ordinance. Conversely, Applicant's petition involves a "similarity" analysis under Section 25-8-1-DD.**

The Objectors essentially claim that the Illinois Supreme Court made findings that a nursing home is not similar to a "detoxification facility." To the contrary, the Illinois Supreme Court made no such finding. In reality, the Supreme Court was not asked to make a "similarity" determination and determined only that a detoxification facility is not permitted ***under the clear language of the special use ordinance at issue.*** In fact, even when the Supreme Court referenced the earlier findings of the lower Court, the Supreme Court examined the detoxification center use in the context of the "*natural import of the words within the statute.*" Importantly, the special use ordinance in *Pallela* expressly prohibited expansion and conversion of the nursing home use with the words "*said nursing and convalescent home shall not be converted to a hospital, nor to an institution for the care of the insane or feeble minded, but shall continue to operate under a special use permit...*" Had the DuPage County special use ordinance included the language found within Kane County's Section 25-8-1-DD (thereby allowing "similar" uses), the Illinois Supreme Court would have reached a completely different opinion in *Pallela*.

*Pallela* was not about a similarity analysis at all. Instead, it was about a strict reading and interpretation of a special use ordinance which on the face of that ordinance prohibited expansion of use beyond a nursing home. The Supreme Court reviewed each word on the special use ordinance in effect and found that the plain language of the ordinance itself prohibited the expansion of the nursing home use to include a detoxification facility.

Conversely, Applicant's petition is subject to completely different criteria and analysis. Applicant's petition and proposed use is not bound by the strict language of an existing special use ordinance limiting the use only to what is enumerated. In Applicant's case, Section 25-8-1-DD allows Kane County to find "similarity" and specifically permits expansion to similar uses. A close reading of *Pallela* demonstrates that the context is inapplicable.

Additionally, Applicant is asking the County to make a similarity determination of a prospective use while *Pallela* involves a determination of whether an existing use fits within the constraints of the ordinance.

- (b) **The primary reason the Supreme Court denied the detoxification facility was because the underlying special use permit had expired.** The Objectors are misled as to the primary reason why the Supreme Court affirmed the lower court order enjoining the expanded detoxification use in *Pallela*. The Objectors believe the reason was because the Supreme Court found that a nursing home was not "similar" to a detoxification unit. A closer reading reveals the true rationale of the Court was based upon the fact that the special use permit issued

in *Palella* was conditioned upon *the continued use of the property as a nursing home*. Because the nursing home use in *Palella* already was discontinued at the time of the lower court's ruling, the special use permit thereby expired in *Palella* making it impossible for the municipality to allow the proposed detoxification center use under any scenario. In the words of the Supreme Court, "*use as a nursing and convalescent home was terminated and, accordingly, the trial court was correct in entering the order enjoining a violation of the ordinance.*" Essentially, the special use permit in *Palella* had expired and thus, a new special use permit was needed.

**10. Objector's Assertion:** Licensure for a "nursing home" is different from the licensure of Applicant's proposed use and therefore the two uses are not similar. (Paragraph 33)

**Applicant's Response:** The Objector points out that the licensure of the proposed facility is not identical to the licensure of a nursing home. The facility need not have identical licensure to the listed use; the facility need only be similar to other identified uses in order for it to be determined to be a special use. Although Nursing Homes and Substance Abuse Treatment Facilities are not licensed by the same the governing bodies, the more intensive care and the larger, more qualified staff provided at such a facility clearly requires compliance with even more regulations. Furthermore, please refer to the "Rider" and related documents submitted in regard to the similarity as part of Applicant's petition that does exist between a Nursing Home and an Alcoholism and Substance Abuse Treatment Facility.

**11. Objector's Assertion:** Applicant's proposed use most closely resembles a *Clinic* and Group home. Further, since the Applicant's proposed use most closely resembles a methadone clinic it belongs in the RB zoning district. (Paragraph 35 & 36)

**Applicant's Response:** Objector's assertion is incorrect. Applicant incorporates herein the letter dated November 17, 2015 from the State of Illinois's Department of Human Services, Division of Alcoholism and Substance Abuse regarding the dissimilarity between Applicant's proposed use and that of a Methadone Clinic.

**12. Objector's Assertion:** "Applicant's proposed use will be a, 'set of group homes'." (Paragraph 37)

**Applicant's Response:** Objector's assertion is incorrect. Applicant incorporates herein the letter dated November 17, 2015 from the State of Illinois's Department of Human Services, Division of Alcoholism and Substance Abuse regarding the dissimilarity between Applicant's proposed use and that of a Group Home.

Furthermore, Objector's assertion that "Applicant's proposed use will be a, 'set of group homes,'" is incorrect because Applicant's dwellings will house more than eight patients per lodge and Applicant's proposed use is not solely to house disabled residents but to provide such residents with a full continuum of care that a group home would not and could not provide.

**13. Objector's Assertion:** Non-Applicability of FHA; The FHA does not grant protected classes carte blanche in determining where they can live in total disregard of local zoning codes. (Paragraph 40)



**Applicant's Response:** Federal law is clear that the Federal Fair Housing Act applies to facilities engaged in the treatment of persons seeking treatment for alcoholism and substance abuse. The law establishes that local governments have an "affirmative duty" to provide "reasonable accommodation" or flexibility, when making decisions about zoning and land use regarding housing and related facilities for persons with disabilities. Under the Federal Fair Housing Act, specific populations are designated as "handicapped" or "disabled" and are therefore protected from housing discrimination. Included in this classification are substance abusers and the mentally ill. *See Federal Fair Housing Act*, 42 U.S.C. Section 3602(a). Thus, Applicant's proposed facility clearly falls within the purview of the act and Applicant has requested Kane County to make reasonable accommodation on behalf of its disabled residents that will seek treatment within Applicant's facility. Courts have repeatedly held that those suffering from alcoholism and drug addiction fall with the definition of "handicapped" thus to invoke the protections and accommodation of the FFHA. *See Oxford House v. City of Baton Rouge, Louisiana*, 932 F.Supp.2d 683 (2013).

The United States Department of Justice has the authority to enforce federal law when there is a violation of the Fair Housing Act in local governments' zoning or land use decisions. Upon a judicial finding in favor of a residential provider or its' potential residents, a local government may be assessed penalties or become liable for damages and attorney's fees.

Section 5.2(b) of the Kane County Zoning Ordinance states that "no section, clause or provision of this Ordinance is intended nor shall be construed as contrary to the Federal Fair Housing Act."

*Sources: See United States v. Village of South Elgin (No. 05 C 5258, N.D. Ill., December 13, 2006) holding monetary damages and civil penalties were paid by the Village as part of a settlement agreement for the denial of a special use zoning permit.; See also Pathways Psychosocial v. Town of Leonardtown, 133 F. Supp. 3d 772 (D. Md., 2001) rejecting a claim of immunity for town officials, because of their "irrational prejudice" against persons with disabilities; Oxford House v. City of Baton Rouge, Louisiana, 932 F.Supp.2d 683 (2013).*

**14. Objector's Assertion:** "An accommodation should not extend a preference to handicapped residents relative to other residents, as opposed to affording them equal opportunity and accommodations that go beyond affording a handicapped tenant an equal opportunity to use and enjoy a dwelling are not required by the [FHA]." *Sporn v. Ocean Colony Condo Association*. (2001) (Paragraph 40)

**Applicant's Response:** Applicant's petition does not request or require that preferential treatment be extended to its handicap residents. The Kane County Zoning Code already provides that the current location is suitable under the "similarity" standard. Objector's reference to this case supports Applicant's request for reasonable accommodation because the past permitted special use of the Subject Property and the potential future permitted special uses allowed in the "F" Farming District include "monasteries, nunneries, religious retreats, nursing and convalescent homes, assisted living facilities, etc." which are all special uses that have a residential component. As such, any denial of Applicant's request for reasonable accommodation would demonstrate that these disabled residents are not being afforded the equal opportunity to use and enjoy a dwelling.

**15. Objector's Assertion:** Applicant is incorrect that the denial of the application will result automatically in a violation of the FHA because, "federal anti-discrimination laws, in order to prove a reasonable accommodation claim, in the context of a zoning dispute, 'a plaintiff must prove that: (1) a modification of the enforcement of a local government zoning code is necessary because plaintiff's disability is what causes his deprivation of the activities, services, or benefits desired;..." *Daveri Dev. Group, LLC v. VILL of Wheeling*, (2013). (Paragraph 41)

**Applicant's Response:** As per our assertion above, since so many different types of related residential uses are permitted in "F" Farming District, a denial of this application would seemingly be due to the disabilities of Applicant's residents and thus would cause a deprivation of the activities, services, or benefits desired.

**16. Objector's Assertion:** Applicant's proposed facility violates the 2040 Plan. (Section IV, Paragraphs 44-48)

**Applicant's Response:** The proposed use of the Subject Property promotes the goals of the Kane County 2040 Land Use Plan ("The 2040 Plan,") in the ways described below:

- a. The 2040 Plan's "Quality of Kane" model emphasizes healthy people, healthy living and healthy communities and the unique coverage of three principal planning processes: transportation, health, and land use.<sup>1</sup> The special use recognizes these concepts. In order to promote healthy communities, the special use will not only treat individuals who suffer from disease of alcoholism and drug addiction, but will also commit to participate in substantial community outreach to community schools, religious groups, and other agencies to improve alcoholism and substance abuse awareness within the community.
- b. The 2040 Plan recognizes that the following factors contribute to Health: Physical Environment (10%); Clinical Care (20%); Health Behaviors (30%); and Socio-Economic (40%).<sup>2</sup> The proposed special use fits in with these factors. The physical environment of the site will not change and will therefore not impact surrounding neighbors and at the same time are a critical component for the health and well-being of the facility's patients. The high-end clinical care provided by the proposed facility will improve the health of its patients, and its outreach will do the same for others in the community. Part of the treatment regimen of the proposed facility includes helping patients understand and make healthy behavioral and physical (diet and exercise) choices.
- c. The 2040 Plan recognizes the benefits of "Re-inhabitation," which is the adaptive re-use of existing structures for uses that provide for and contribute to society.<sup>3</sup> The proposed adaptive re-use of the former Glenwood School will address a societal need for the effective treatment of alcoholism and drug addiction with no substantial changes to the existing facility.

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<sup>1</sup> Kane County 2040 Plan, "Quality of Kane Model," Page 11.

<sup>2</sup> Kane County 2040 Plan, "Contributing Factors to Health," Page 41.

<sup>3</sup> Kane County 2040 Plan, "Opportunities for Retrofitting Sprawling Land Use Patterns," Page 53.

- d. The 2040 Plan's focus on community health expressly recognizes that alcohol misuse is among the challenges that face the citizens of Kane County<sup>4</sup> and encourages environments that prevent excessive consumption of alcohol. The Facility's treatment of individuals who have a dependency on alcohol and other substances combined with its community outreach programs address these important considerations.<sup>5</sup> The Facility's treatment of individuals who are addicted to alcohol and/or other unlawful substances combined with community outreach programs organized by the facility address these important aspects of community health.
- e. The 2040 Plan contains a list of "Ten Essential Services of Public Health." They include: (1) Monitor health status and understand health issues facing the community; (2) Protect people from health problems and health hazards; (3) Give people the information they need to make healthy choices; (4) Engage the community to identify and solve health problems; (5) Develop public health policies and plans; (6) Enforce public health laws and regulations; (7) Help people receive health services; (8) Maintain a competent public health workforce; (9) Evaluate and improve programs and interventions; and (10) Contribute to and apply the evidence base of public health.<sup>6</sup> The proposed special use contributes positively to these ten essential services outlined in The 2040 Plan.
- f. The 2040 Plan expressly recognizes the need for a policy of cross-sector collaboration to achieve community-wide wellness through partnerships with school districts, colleges, social service agencies, the faith-based community, non-profit organizations, hospitals, physicians, employers, park districts, municipal staff, elected officials, and other organization. The proposed facility is committed to significant community outreach and will assist in achieving the goal of cross-collaboration.
- g. The 2040 Plan expressly encourages the removal of barriers that unnecessarily discourage housing diversity.<sup>7</sup> The proposed special use would allow for a residential treatment facility for disabled adults suffering from alcoholism and substance addictions.
- h. The 2040 Plan seeks to preserve and protect open space and green infrastructure as the cornerstone of natural resource protection and community well-being. A considerable portion of the 120 acre Subject Property is open space, and the Application is intended to commit permanently a portion of that open space by way of easement or other appropriate action.

**17. Objector's Assertion:** The 2014 decision of Kane County's Zoning Enforcing to prepare a text amendment to the County Zoning Ordinance in regards to the non-enumerated land use for a Medical Marijuana Dispensary implies that the County should prepare a text amendment for this matter. (Paragraph 46)

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<sup>4</sup> Kane County 2040 Plan "Community Health," Page 79.

<sup>5</sup> Kane County 2040 Plan "Community Health," Page 98.

<sup>6</sup> Kane County 2040 Plan, "Ten Essential Services of Public Health," Page 83.

<sup>7</sup> Kane County 2040 Plan, "Housing Objectives," Page 99.

**Applicant's Response:** The Illinois Compassionate Use of Medical Cannabis Pilot Program Act (410 ILCS 130/1 et seq.) at Section 140 provides guidance for municipalities and local governmental units such as Kane County, through the following language: *“A unit of local government may enact reasonable zoning ordinances or resolutions, not in conflict with this Act or with the Department of Agriculture or Department of Financial and Professional Regulation rules, regulating the registered medical cannabis cultivation center or medical cannabis dispensing organizations.”*

In sum, Kane County was following the direction of the newly approved Illinois legislature and the overwhelming trend in the State when Kane County adopted reasonable zoning regulations governing Medical Cannabis. Such legislation should not be advanced by the Objectors to support the notion that Kane County somehow must adopt a text amendment each time with respect to *any* use that may be considered “similar” to an existing use. Such a misreading by the Objectors would obviate Section 25-8-1-2 DD of the zoning ordinance. To expect Kane County to adopt a text amendment each time an applicant advances a use “similar” to an existing use essentially nullifies Section 25-8-1 DD. As noted, Section 25-8-1- DD allows “Other uses similar to those permitted herein as special uses” without the necessity of a text amendment each and every time.



Bruce Rauner, Governor

James T. Dimas Secretary

319 East Madison, Suite 2D • Springfield, Illinois 62701-1035

November 17, 2015

To Whom it May Concern;

The purpose of this letter is to confirm the need of a proposed alcoholism and substance abuse treatment facility in Kane County, Illinois.

There are 66 DASA-approved Methadone programs in Illinois. All but four are Outpatient programs. The four are: Cornell Interventions – Southwood (Chicago); Specialized Assistance Services, Inc. – Branden House (Manteno); Women's Treatment Center – Chicago; and Cermak Health Services, Cook County Jail, (Chicago). Over 90% of methadone is dispensed in outpatient free standing facilities not attached to a hospital or treatment center.

The facility being discussed is significantly different from all but four programs. The treatment center being proposed does not provide outpatient methadone treatment. Further, the center is exceptionally different from a 'methadone clinic' in that your program will be composed of several levels of care which would not be present in a free standing outpatient only clinic (the word clinic and treatment center are used here interchangeably). These include residential detoxification and substance abuse treatment facilities which are highly specialized medically supervised centers.

There are 58 remaining providers who have outpatient only free standing facilities. This supports the data that the majority of methadone replacement treatment takes place in an outpatient free standing facility. They provide dosing of methadone through outpatient treatment only and may not offer adjunct services like individual, group or DUI assessment and treatment.

The State of Illinois does not have group homes that are used for substance abuse treatment. In fact Illinois has gone to great length in policy and legal actions to assure individuals with substance use disorders are not admitted or residing in a group homes or Institute for Mentally Diseased (IMD). {(Williams v. Quinn, 2005) (Williams Consent Decree 2010)} Group homes would most likely be a term used by the Illinois Division of Developmental Disabilities to describe housing where clients may reside for many years.

I hope this information is helpful. Please let me know if I can be of further assistance.

Sincerely,

A handwritten signature in black ink that reads "Trina M. Diedrich, PhD, ICAADC, CRSS". The signature is written in a cursive style.

Trina M. Diedrich, PhD, ICAADC, CRSS  
Public Service Administrator



November 17, 2015

**Memo – Special Use, Alcoholism and Substance Abuse Treatment Facility**

The purpose of this memo is to clarify my understanding of the special use provisions of the Kane County Zoning Ordinance. Generally, when a special use is established it is linked to the application, location and the specificities of the use/plan. The documents are the enabling provisions of the approval. As long as the approval requirements are followed the use is permitted and can continue. In addition to the approval, the operations of the use must continue uninterrupted to remain in compliance. In the case of the special use application for the previous “Glenwood School for Boys,” located at 41W400 Silver Glen Road, the approval granted the requested use. Only that use could continue to operate on that site uninterrupted to remain compliant. Additionally, the approved special use for a not-for-profit facility to serve at risk children renders the site unusable for any future use.

The discontinued use and vacation of the property by the “Glenwood School” renders the special use null and void. The new special use request for an Alcoholism and Substance Abuse Treatment Facility is a new application. The specifics of the proposal must stand on its own merits and is not linked to any prior approvals. Also, as identified in the Kane County Zoning Ordinance, a special use that has been discontinued is subject to revocation by the County on their own motion.

The proposed request for an Alcoholism and Substance Abuse Treatment Facility special use under Section 8.1-2 Special Uses.dd. *“Other uses similar to those permitted herein as special uses,”* is appropriate. The application addresses all of the requirements for the issuance of a special use permit for the Applicant’s purposed use and follows the procedural requirements of the County Ordinance and the development staff. These comments supplement my previous report and are attached to and made part of those opinions.

A handwritten signature in black ink, reading "J. Christopher Lannert".

J. Christopher Lannert



# Holland & Knight

131 South Dearborn Street, 30<sup>th</sup> Floor | Chicago, Illinois | T 312-263-3600 | F 312-578-6666  
Holland & Knight LLP | www.hklaw.com

## Memorandum

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Date: November 17, 2015

To: Kane County Zoning Board of Appeals

From: Steven M. Elrod  
Hart M. Passman

Cc: Mark VanKerkhoff, County Zoning Enforcement Officer

Re: Response to Appeal – Special Use Petition No. 4364

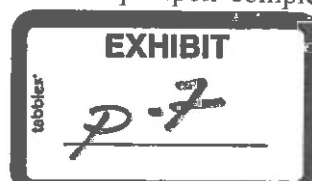
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At the request of Maxxam Partners, LLC, the Applicant for Special Use Petition No. 4364 (the “*Petition*”), we have reviewed the appeal filed by Jolene Andrzejewski and Abram Andrzejewski concerning the applicability of Section 5.15 of the County Zoning Ordinance to the Petition (the “*Appeal*”), along with the responsive memorandum from Mark VanKerkhoff, County Zoning Enforcing Officer (the “*Response*”). We agree with Mr. VanKerkhoff’s conclusions in the Response, and offer the following in support of Mr. VanKerkhoff and in opposition to the Appeal.

### *Section 5.15*

The County Zoning Ordinance is intended to be a comprehensive set of regulations governing the development and use of property in unincorporated areas of Kane County. However, such an ordinance cannot anticipate every single possible use that may be introduced in the County, or every new use that either evolved from an existing use or that could not have been anticipated by the drafters of the ordinance. Accordingly, Section 5.15 is designed to provide a mechanism for review and administration of such evolving uses in an efficient manner without the need for engaging in the legislative process that is associated with a text amendment. Simply, it vests in the Enforcing Officer the authority to consider and approve unlisted uses that, “though not contained by name in a zoning district list of permitted or special uses, are deemed to be similar in nature and clearly compatible with the listed uses.” Zoning Ordinance, § 5.15. To approve those unlisted uses, the Enforcing Officer must first receive a “favorable report” from the County’s Development Department, which must have reviewed the application for the proposed unlisted use.

Provisions such as Section 5.15 are common in zoning ordinances throughout the metropolitan region, precisely because, in every jurisdiction, there are uses and situations that demand a more flexible and efficient method of processing. Without provisions like Section 5.15, no unlisted use in any jurisdiction could proceed except upon completion of a lengthy





amendment process. The County Board saw fit to include Section 5.15 as a sensible and standard means of resolving questions involving similar-but-unlisted uses in the County. Section 5.15 thus stands as the general, County-wide, district-wide regulation for treatment of unlisted zoning uses. The intent of this Section is clearly intended to provide an administrative process for existing, currently issued permits and special use permits. Therefore, Section 5.15 is not applicable in this case because the Applicant is petitioning the County for the issuance of a brand new special use permit.

***Section 8.1-2(dd)***

The topic of unlisted zoning uses also appears in Section 8.1-2(dd) of the Zoning Ordinance. That provision allows, as a special use in the F (Farming) District, “other uses similar to those permitted herein as special uses.” Section 8.1-2(dd) is *specific* to the F District, and there is no analogous provision of the Zoning Ordinance for any other zoning district. Section 8.1-2(dd) thus sets forth a unique process for the processing of a unique set of unlisted uses: namely, if a use is unlisted, but proposed *for* the F District, and is similar to a use that *is* listed as a special use in the F District, then the unlisted use may also be processed as a special use.

There is a general principle of law in Illinois that, when two provisions of a statute or ordinance conflict, the specific provision controls over the general one.<sup>1</sup> In this situation, Section 5.15 is general: it applies to *all* unlisted uses, in *all* zoning districts, and to permitted and special uses alike. In contrast, Section 8.1-2(dd) applies on a very limited basis: only to special uses, and only in the F District. For this reason alone, Mr. VanKerkhoff was correct to rely upon the authority granted in Section 8.1-2, and to disregard Section 5.15.

If the County Board, as drafters of the Zoning Ordinance, had seen fit to require the procedures of Section 5.15 to apply to *all* unlisted uses, then the Board would have included a reference to Section 5.15 within Section 8.1-2(dd). Indeed, in the *absence* of such a cross-reference, the appellants’ interpretation of Section 8.1-2(dd) makes no sense, and renders such provision meaningless – because Section 5.15 *already* allows any unlisted use to proceed, under that provision’s administrative procedure. If the County Board intended unlisted special uses in the F District to be treated like any other unlisted use, Section 8.1-2(dd) would not be necessary.

The better interpretation is the one advanced by Mr. VanKerkhoff, in his capacity as the County’s chief zoning officer. Section 8.1-2(dd) presents an alternate and highly-limited procedure for the consideration and processing of special uses in the F District. That procedure allows the unlisted use to proceed, and to be reviewed, as part of the *legislative* determinations of the Zoning Board and the County Board, each of which is empowered to reach its own conclusions on the similarity of the proposed use to the listed special uses. The *administrative* procedures of Section 5.15 do not bear on those legislative proceedings.

---

<sup>1</sup> The appellants recognize this doctrine of statutory construction, yet twist it to conclude that, somehow, Section 5.15 is the specific law that should be followed. When juxtaposed with Section 8.1-2(dd), it is clear that Section 5.15 is not the more specific provision, but rather is the more generally applicable provision.

### *Similarity*

On the issue of similarity, though not relevant to the core question concerning the applicability of Section 5.15, the appellants devote much space in the Appeal to argue why the proposed use identified in the Petition is not similar to other listed special uses in the F District. To that, we renew our findings set forth in our August 19, 2015 Memorandum (included as part of the applicant's Petition). Specifically, it is our finding that the proposed residential alcoholism and substance abuse treatment facility is similar to a "hospital" (with respect to the medical treatment of residents of the facility) and to a "nursing and convalescent home" (with respect to the residential dwelling arrangement planned for the facility). The appellants point out that the proposed facility is not *identical* to hospitals or nursing homes. However, that is not the appropriate inquiry. The facility need not be *identical* to a listed use; it need only be *similar* to other identified uses in order for it to be determined to be a special use. As more fully detailed in our August 19 Memorandum, when measured against the appropriate standard of similarity, the proposed residential alcoholism and substance abuse treatment facility clearly passes the test.

The Appeal relies heavily on the Illinois Supreme Court decision in *Palella v. Leyden Family Service & Mental Health Center*, 79 Ill.2d 493 (1980) for the argument that a "detoxification facility" is not similar to a Nursing Home. It is our opinion that the Appeal does not correctly apply the Supreme Court's holding in *Palella*. That case involves the interpretation of an existing special use permit for a nursing home in an effort to determine if that existing permit can be expanded to also allow the operation of a detoxification center without further action. That is not the case here. Applicant is petitioning for a brand new special use permit to be issued for its residential alcoholism and substance abuse treatment facility and is not attempting to expand a previously issued permit without legislative action. Additionally, we note that the Court in *Palella* actually supports Applicant's claim that alcoholism and substance abuse treatment facilities and hospitals are similar when it observed that both nursing homes and detoxification centers are "both dedicated to the rehabilitation of a patient with sick mind or body or both".

As noted in its application, the applicant recognizes that its use is not specifically listed in the F District of the Zoning Ordinance, and for that reason, as Mr. VanKerkhoff properly understands, the special use process offered through Section 8.1-2(dd) is the proper vehicle for determining whether the proposed facility is indeed "similar" to the listed special uses. As set forth above, the determination of similarity is a component of the legislative review to be conducted by the Zoning Board and the County Board as part of each body's consideration of the Petition, and it is at that time -- and not as part of the pending Appeal -- that the Zoning Board should engage in such a review.

For these reasons, we support the conclusions of Mr. VanKerkhoff, as set forth in his Memorandum, and urge this Zoning Board to reject the Appeal.





# JAMES MARCUS

## PROFESSIONAL EXPERIENCE

### FEINBERG CONSULTING

*Assessment, Treatment Placement, Case Management, Coaching*

West Bloomfield Township, MI  
4/2015 – Present

### MARCUS COUSELING LLC

*Owner/Therapist*

West Palm Beach, FL  
1/2011– 4/2015

### HANLEY CENTER

*Therapist/Addiction Counselor*

1/2011 -1/2014  
1/2011 -1/2014

West Palm Beach, FL

### HANLEY CENTER

*Assistant Counselor*

West Palm Beach, FL  
1/2011-1/2012

## EDUCATION

### PALM BEACH ATLANTIC UNIVERSITY

*Master's in Mental Health Counseling*

### UNIVERSITY OF PENNSYLVANIA

*B.A., Psychology*

## PROFESSIONAL CERTIFICATIONS

Certified Addiction Professional

Florida Certification Board





# COUNTY OF KANE

DIVISION OF ENVIRONMENTAL &  
WATER RESOURCES

Kenneth N. Anderson, Jr, Director





County Government Center  
719 Batavia Avenue – Building A  
Geneva, IL 60134  
Office: (630) 232-3497  
Fax: (630) 208-3837  
website: <http://www.countyofkane.org>

## MEMORANDUM

TO: Keith Berkhout, Kane County Building & Zoning Division

CC: Mark VanKerkhoff, Director, Kane County Development and Community Services Department  
Ken Anderson, Director, Kane County Environmental & Water Resources Division

FROM: S.M. "Monica" Hawk, P.E., CFM, Water Resources Engineer and   
Jodie Wollnik, P.E., CFM, Assistant Director – Water Resources 

DATE: December 1, 2015

SUBJECT: Zoning Petition #4364 - 41W400 Silver Glen Road (Glenwood Academy),  
Campton Township

This memo is in response to a request from the Kane County Development Department staff to evaluate the above referenced zoning petition, specifically as it relates to Kane County Code Special Uses Chapter 25-4-8-2. The following memo summarizes the findings of fact based on a due diligence review of the subject petition by the Kane County Environmental & Water Resources Division. A site visit was conducted by staff on October 21, 2015.

### Stormwater Management Facilities – comments by S.M. "Monica" Hawk, P.E., CFM

In general, staff found the stormwater management facilities to be in good functional condition. However, it is noted some areas of the property require maintenance in order to restore the facilities to their originally intended function as designed and permitted.

The access drive crosses over a tributary to Otter Creek via double culverts. Erosion has occurred around the culverts and has started eroding the road embankment of the access drive. The area is also overgrown with vegetation.

There are two stormwater detention facilities. The southern detention basin is overgrown with undesirable vegetation such as common reed (*Phragmites australis*). The outflow pipe is plugged with sediment at the downstream outfall and is not readily accessible due to overgrown vegetation along the berm of the detention basin. The lake within the center of the complex also serves as a stormwater detention facility. Some undesirable vegetation such as cattails (*Typha* species) has taken over the shoreline. Also, the lake shoreline has experienced erosion. Some of the storm sewer inflow pipes were surrounded by overgrown vegetation.

The loop drive crosses several culverts that accept runoff from off-site areas. Erosion has occurred around the culverts and has started eroding the road embankment of the loop drive.



It is recommended that an ecological restoration specialist be consulted to develop a long-term maintenance and monitoring plan for the vegetation management. It is also recommended that a civil engineer be consulted for stabilization of eroded areas. It is further recommended that implementation be initiated.

Wastewater Treatment Facility – *comments by Jodie Wollnik, P.E., CFM*

The maximum number of living residents and staff and number of daytime staff and patients should be provided for verification of the wastewater and water system capacity.

The wastewater treatment facility design included a 20 year planning period for sludge storage. The facility was constructed in 1993 and operated until approximately 2013. The volume of sludge storage remaining should be documented.

A copy of the current Illinois Environmental Protection Agency (IEPA) permit shall be provided to the County.

Five Monitoring wells were constructed with the initial plan with quarterly monitoring. Copies of monitoring results since the plant began operation shall be provided to the County.

A map of the current and proposed irrigation locations and monitoring wells shall be provided.

The June 17, 2015, memo from Murer Consultants indicates that the proposed land use is similar to a hospital. Please provide information regarding the potential pharmaceutical concentrations in the wastewater stream that may be expected in excess of standard residential wastewater concentrations and information regarding those concentrations relative to a lagoon/land application system. We suggest the petitioner contact the IEPA to determine if there are any additional operational and maintenance requirements to operate the wastewater treatment facility and its proposed land use.

Potable Water System – *comments by Jodie Wollnik, P.E., CFM*

A copy of the current IEPA permit shall be provided to the County.



**PROPOSAL NO. 15-1210C**

December 11, 2015

Maxxam Partners, LLC.  
6423 Collins Avenue  
Suite 1605  
Miami Beach, FL 3314

**RE: 41W400 Silver Glen Road, Saint Charles, IL**

Dear Maxxam Partners, LLC.,

ENCAP, Inc. is pleased to present this proposal outlining ecological restoration services at 41W400 Silver Glen Road, Saint Charles, IL. This proposal addresses items of concern as noted by Kane County's assessment of the stormwater management facilities. This includes erosion, undesirable vegetation growth, and accessibility of stormwater inlets and outlets along the pond shoreline as well as in the southern detention area.

**SCOPE OF SERVICES:**

**1 & 9 - Removal of Invasive Woody Species:** There are several areas around the pond and in the southern detention area, particularly around the inlets and outlets, that are overgrown with Cottonwood and Willow species. In order for the stormwater system to function properly and have sufficient access to those areas, these woody species need to be cut and removed. To prevent regrowth the cut stumps needs to be treated with an aquatic safe herbicide immediately following removal.

As noted by the County, there was an abundance of other undesirable vegetation along the pond shoreline, cattail in particular. It is our understanding that the cattail has been treated already. However, there is very little other vegetation along the shoreline to prevent further erosion. It is our recommendation to reseed the entire shoreline to prevent further erosion of the already eroded areas (as noted by the County) as well as preventing erosion in future areas.

**2 & 10 - Site Prep:** For a successful restoration to occur, the areas need to be prepped for seeding. This item would include any further herbicide application necessary, cleanup of dead vegetation as needed in the area to be seeded, inlet/outlet cleaning, and removal of the existing split rail fence. In addition, we recommend extending the area to be seeded around the pond to extend 2-3' beyond the location where the split-rail fence is currently located. This will provide a larger native buffer around the pond and provide additional erosion protection.

- 3 - Erosion and Muskrat Damage Repair Along Shoreline:** As noted by the County, there is significant erosion along the shoreline. This item would involve importing topsoil and placing it in the eroded or otherwise damaged area, along with minor re-grading
- 4 & 11 - Seeding:** This item included selecting and installing an appropriate native seed mix for the restoration areas.
- 5 - Erosion Control Blanket – Shoreline:** Given the slope of the shoreline and the propensity it already has for erosion, installation of erosion control blanket over the seeded areas would be necessary. The blanket will aid in seed germination and help protect from erosion while the seed mix is becoming established.
- 6 & 12 - Maintenance:** Maintenance will include spot mowing of annual weeds, spot herbicide treatments to invasive biennial and perennial weeds, and cleaning of the inlet/outlet grates. These activities are essential for the establishment and function of the stormwater system. The cost provided includes 4 maintenance visits per year.
- 7 & 13 - Monitoring:** An annual monitoring report will be provided that evaluates the site conditions and recommends and further action that needs to take place.
- 8 & 14 - Prescribed Burn:** Another part of a successful restoration is the implementation of a prescribed burn. This items includes obtaining all necessary burn permits, distributing burn notices, and all labor and materials for conducting the burn.
- 15 – Native Emergent Plugs (Optional):** There is a significant portion of the pond shoreline that could benefit from the planting of native emergent plugs. These plugs would be planted in the areas where the cattail currently grow. This would provide additional erosion protection, offer more competition of invading cattail and other emergent weeds, as well as provide a high esthetic value. This would include supply and installation of appropriate plants as well as the installation of predator exclusion fencing to protect from herbivory during their establishment period.
- 16 – Erosion Control Blanket – Southern Detention Area (Optional):** The southern detention area appears to be a very dynamic area with rising and falling water levels dependent on precipitation. The majority of the area is relatively flat and may or may not be subject to moving water. In addition, there has already been extensive plant growth in this area that could help stabilize the soil. Given these factors, it is difficult to determine whether erosion control blanket over the installed seed would be necessary. Further examination over a longer period of time would need to occur to determine the need for this item.
- 17 – Predator Exclusion Fencing Removal (Optional):** If native emergent plugs are installed, the exclusion fencing would need to be removed once they have been established. This item can be performed by ENCAP, Inc. crews or by the owners own crew.



2585 Wagner Ct.  
DeKalb, IL 60115  
Phone: 815.748.4500  
Fax: 815.748.4255  
www.encapinc.net

**PROPOSAL NO. 15-1210C**

December 11, 2015

Maxxam Partners, LLC.  
6423 Collins Avenue  
Suite 1605  
Miami Beach, FL 33141

**RE: 41W400 Silver Glen Road, Saint Charles, IL**

#	DESCRIPTION OF WORK	UNIT	# OF UNITS	UNIT COST	COST
<b>Pond Shoreline Restoration Activities</b>					
1	Removal of Invasive Woody Species	AC	1.07	\$1,400.00	\$1,498.00
2	Site Prep	AC	1.07	\$3,850.00	\$4,119.50
3	Erosion and Muskrat Damage repair along shoreline	AC	1.07	\$3,950.00	\$4,226.50
4	Seeding	AC	1.07	\$2,500.00	\$2,675.00
5	Erosion Control Blanket	SY	5180	\$1.30	\$6,734.00
<b>Pond Shoreline Restoration Activities Subtotal</b>					<b>\$19,253.00</b>
<b>Pond Shoreline Maintenance &amp; Monitoring</b>					
6	Maintenance	YR	3	\$1,200.00	\$3,600.00
7	Monitoring	YR	3	\$950.00	\$2,850.00
8	Prescribed Burn - Shoreline	EA	1	\$1,350.00	\$1,350.00
<b>Pond Shoreline Maintenance &amp; Monitoring Subtotal</b>					<b>\$7,800.00</b>
<b>South Detention Restoration Activities</b>					
9	Removal of Invasive Woody Species	AC	0.7	\$8,000.00	\$5,600.00
10	Site Prep	AC	3	\$1,500.00	\$4,500.00
11	Seeding	AC	3	\$2,500.00	\$7,500.00
<b>South Detention Restoration Activities Subtotal</b>					<b>\$17,600.00</b>
<b>South Detention Maintenance &amp; Monitoring</b>					
12	Maintenance	YR	3	\$5,000.00	\$15,000.00
13	Monitoring	YR	3	\$1,250.00	\$3,750.00
14	Prescribed Burn - South	EA	1	\$1,750.00	\$1,750.00
<b>South Detention Maintenance &amp; Monitoring Subtotal</b>					<b>\$20,500.00</b>
<b>Optional Items</b>					
<b>GRAND TOTAL</b>					<b>\$65,153.00</b>
15	Native Emergent Plugs	EA	1140	\$8.50	\$9,690.00
16	Erosion Control Blanket	SY	14520	\$1.15	\$16,698.00
17	Predator Exclusion Fencing Removal	LS	1	\$1,800.00	\$1,800.00

**Payment Agreement**

Maxxam Partners, LLC., (hereinafter "Client") shall be solely liable for the timely payment of all amounts invoiced under this proposal. Invoices will be tendered by ENCAP, Inc. ("ENCAP") from time to time, but no more frequently than every two weeks, and shall be due and payable upon receipt. If Client objects to all or any portion of an invoice, Client shall nevertheless timely pay the undisputed amount of such invoice and promptly advise ENCAP in writing of the reasons for disputing any amount.

Client shall pay an additional charge of two (2) percent (or the maximum percentage allowed by law, whichever is lower) of the invoiced amount per month for any payment received by ENCAP more than thirty (30) calendar days from the date of the invoice, excepting any portion of the invoiced amount in dispute and resolved in favor of Client. Payments shall first be applied to accrued interest and then to the unpaid principal amount.

If Client fails to pay invoiced amounts within thirty (30) calendar days of the date of the invoice, ENCAP may at any time, without waiving any other claim against Client and without incurring any liability to Client, suspend or terminate performance under this Agreement as long as any hazardous conditions created by ENCAP'S previously performed services are rendered non-hazardous to Clients employee's, agents and subcontractors, the general public, and the environment. Termination shall not relieve Client of its obligation to pay amounts incurred up to termination. ENCAP shall be entitled to recover any and all costs of collection associated with recovery of amounts due under this Payment Agreement, including but not limited to reasonable attorney's fees.

Client will indemnify and hold harmless ENCAP and its representatives, agents, employees, and successors and assigns from and against any and all claims, suits, actions, losses, penalties, fines, and damages of any nature whatsoever, and shall pay any reasonable attorney's fees, expert witnesses fees, and ENCAP fees, and court costs arising or resulting from (1) Client's breach of this Agreement; or (2) Client's negligence or intentional misconduct.

Client shall accept full responsibility for payment notwithstanding any other agreement with owner or other party, and in no event will any provision in a contract, agreement, or understanding which conditions Client's payment to ENCAP upon receipt of the payment from any other party relieve Client from responsibility for payment to ENCAP.

By: ENCAP, Inc.

By: Maxxam Partners, LLC.

\_\_\_\_\_  
Jonathan Koepke

\_\_\_\_\_  
Date

\_\_\_\_\_  
Authorized Rep.

\_\_\_\_\_  
Date



**LEGEND:**

Project Area (includes woody invasive removal)  
(1.07 ac)



NORTH

**Pond Project Area**

Image Courtesy of Google Earth

**41W400 Silver Glen Road**

Project Number: 15-1210C

Maxxam Partners, LLC.

Exhibit A





**LEGEND:**

Project Area  
(3.0 ac)

Woody Cleaning Area  
(0.7 ac)



0 30 60 120  
SCALE: 1"= 60'



NORTH

**South Detention Area**

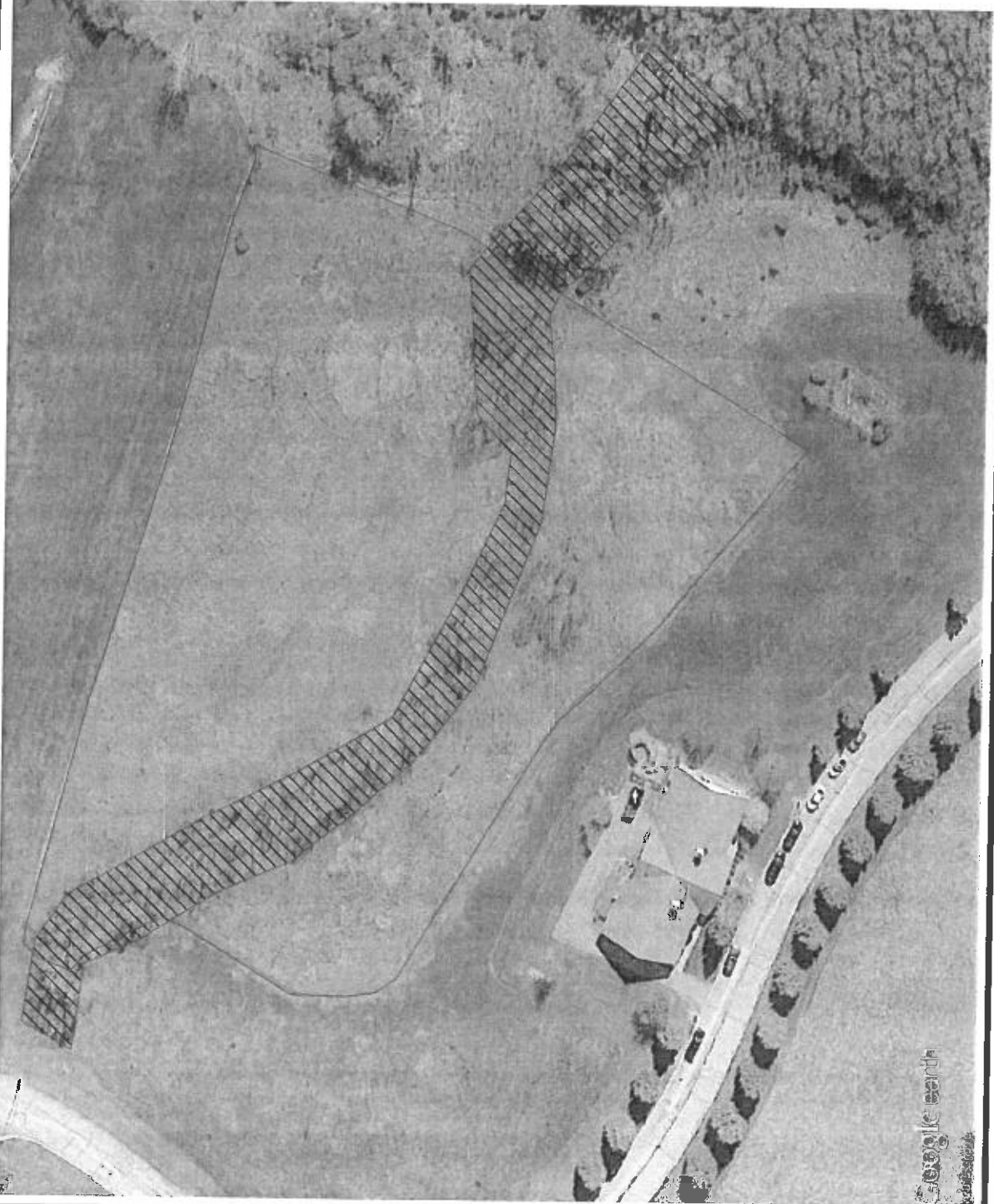
Image Courtesy of Google Earth

**41W400 Silver Glen Road**

Project Number: 15-1210C

Maxxam Partners, LLC.

Exhibit B



Google Earth  
© 2015 Google



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 10, 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 1, 2015 in regards to the above referenced project. We have listed below the comments along with our responses.

**Wastewater Treatment Facility**

**Comment 1:** The maximum number of living residents and staff and number of daytime staff and patients should be provided for verification of the wastewater and water system capacity.

***Response:*** The designed capacity of the facilities is 160 P.E. or 16,000 gallons per day. The systems flows will be monitored daily and reported to the IEPA in the monthly monitoring reports as required by the permit. We anticipate that each living resident will be the equivalent of 1 P.E. and each staff member will be the equivalent of 0.1 P.E.

**Comment 2:** The wastewater treatment facility design included a 20 year planning period for sludge storage. The facility was constructed in 1993 and operated until approximately 2013. The volume of sludge storage remaining should be documented.

***Response:*** Historically deep cell aerated lagoon systems of this design have shown little to no sludge build up after 20-25 years of operation. The sludge storage component was included as a factor of safety in the event of improper operating condition. Our experience shows that while a safety factor is included that these systems do

**Comment 3:** A copy of the current Illinois Environmental Protection Agency (IEPA) permit shall be provided to the county.

***Response:*** A copy of the current Illinois Environmental Protection Agency (IEPA) permit is attached.

**Comment 4:** Five monitoring wells were constructed with the initial plan with quarterly monitoring. Copies of monitoring results since the plant began operation shall be provided to the County.

***Response:*** Four monitoring wells were constructed and are sampled on a quarterly basis and submitted to the IEPA. Sheaffer & Roland began operating the facility in February of 2013. Attached please find all monitoring results since the first quarter of 2013. A review of onsite records shows that data as far back as 2006 is available. We are reviewing the information and will provide under separate cover.

**Comment 5:** A map of the current proposed irrigation locations and monitoring wells shall be provided.

***Response:*** A map of the current and potential future irrigation area has been included.

**Comment 6:** The June 17, 2015 memo from Murer Consultants indicates that the proposed land use is similar to a hospital. Please provide information regarding the potential pharmaceutical concentrations in the wastewater stream that may be expected in excess of standard residential wastewater concentrations and information regarding those concentrations relative to a lagoon/land application system. We suggest the petitioner contact the IEPA to determine if there were any additional operation and maintenance requirements to operate the wastewater treatment facility and its proposed land use.

***Response:*** Glenwood uses a Sheaffer & Roland designed modern Wastewater Reclamation & Reuse System (WWRRS) for sewage treatment. In a WWRRS, sewage is treated in deep aerated treatment cells for over thirty (30) days. This extended treatment time is compared to eight (8) hours of treatment in an Advanced Sewage Treatment (AST) plant such as in St. Charles. The sheer volume and much longer exposure to aeration allows for the breakdown of all organics. In addition, the quiescent zone at the bottom of the static tube produces anaerobic bacteria that breakdown and digests the plastics in the waste stream. After this extended aeration, the effluent contains zero fecal coliform. The effluent is then filtered and spray irrigated on the grass and flowers during the growing season while stored in the non-growing season. Irrigation is limited to 1.5 inches per



Keith Berkhout  
December 10, 2015  
Page 3 of 3

week as required by the Illinois Environmental Protection Agency (IEPA) to prevent runoff or infiltration to the groundwater. Through cation exchange, the plants take up the remaining nutrients. (See Leeper, G.W. Managing The Heavy Metals On The Land. New York, Marcel Dekker, Inc. 1978.) Thus, Glenwood's WWRRS mitigates any negative effects that hospital wastes would have on an AST plant such as that in St. Charles.

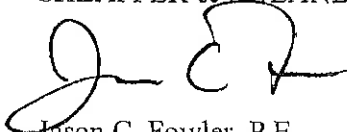
**Potable Water System**

**Comment 1:** A copy of the current IEPA Permit shall be provided to the County.

***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.

Should you have any questions, please contact us.

Sincerely,  
SHEAFFER & ROLAND, INC.



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  
S.M "Monica" Hawk, P.E. CFM, Water Resources Engineer  
Jodie Wollnik, P.E. CFM, Assistant Director – Water Resources

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 1163-10

PERMIT NO.: 2011-GO-1163

FINAL PLANS, SPECIFICATIONS, APPLICATION  
AND SUPPORTING DOCUMENTS

DATE ISSUED: March 29, 2011

PREPARED BY: Foulkes Utility Resources, Inc.

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.

SAK:GY :j:\docs\permits\statecon\yilma\1163-10.docx

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

DATE ISSUED: March 29, 2011

PREPARED BY: Foulkes Utility Resources, Inc.

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 Coliform	#/ 100 mL	Quarterly

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 1163-10

PERMIT NO.: 2011-GO-1163

FINAL PLANS, SPECIFICATIONS, APPLICATION  
AND SUPPORTING DOCUMENTS

DATE ISSUED: March 29, 2011

PREPARED BY: Foulkes Utility Resources, Inc.

SUBJECT: GLENWOOD SCHOOL- STP and Spray Irrigation

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

LOG NUMBERS: 1163-10

PERMIT NO.: 2011-GO-1163

FINAL PLANS, SPECIFICATIONS, APPLICATION  
AND SUPPORTING DOCUMENTS

DATE ISSUED: March 29, 2011

PREPARED BY: Foulkes Utility Resources, Inc.

SUBJECT: GLENWOOD SCHOOL- STP and Spray Irrigation

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.



# 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: 02/24/06 08:45  
Report Date: 3/20/2006  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 6B24002-01	Collect Date: 02/23/06 14:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 1 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Residue, Filterable, Dried at 180 C by SM 2540 B.</b>				
Total Dissolved Solids	633 mg/L	03/08/06		KG
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.55 pH Units	02/24/06		KG
<b>Nitrogen Ammonia as N, by SM 4500 D</b>				
Nitrogen Ammonia by SM4500NH3	1.55 mg/L	03/03/06		AG
<b>Chloride by EPA Method 300.0 Rev. 2.1</b>				
Chloride	13.2 mg/L	03/16/06		VG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.25 mg/L	02/24/06		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.37 mg/L	02/24/06		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	95.6 mg/L	03/16/06		VG

Sample No: 6B24002-02	Collect Date: 02/23/06 14:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Residue, Filterable, Dried at 180 C by SM 2540 B.</b>				
Total Dissolved Solids	633 mg/L	03/08/06		KG
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.50 pH Units	02/24/06		KG
<b>Nitrogen Ammonia as N, by SM 4500 D</b>				
Nitrogen Ammonia by SM4500NH3	1.44 mg/L	03/03/06		AG
<b>Chloride by EPA Method 300.0 Rev. 2.1</b>				
Chloride	12.8 mg/L	03/16/06		VG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.25 mg/L	02/24/06		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.42 mg/L	02/24/06		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	93.1 mg/L	03/16/06		VG



# McHenry Analytical Water Laboratory, Inc.

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

(815) 344-4044  
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Sample No: <b>6B24002-03</b>	Collect Date: <b>02/23/06 14:00</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 3 Glenwood</b>

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Residue, Filterable, Dried at 180 C by SM 2540 B.</b>				
Total Dissolved Solids	600 mg/L	03/06/06		KG
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.52 pH Units	02/24/06		KG
<b>Nitrogen Ammonia as N, by SM 4500 D</b>				
Nitrogen Ammonia by SM4500NH3	0.16 mg/L	03/03/06		AG
<b>Chloride by EPA Method 300.0 Rev. 2.1</b>				
Chloride	81.5 mg/L	03/16/06		VG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.25 mg/L	02/24/06		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.69 mg/L	02/24/06		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	35.7 mg/L	03/16/06		VG

Sample No: <b>6B24002-04</b>	Collect Date: <b>02/23/06 14:00</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 4 Glenwood</b>

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Residue, Filterable, Dried at 180 C by SM 2540 B.</b>				
Total Dissolved Solids	500 mg/L	03/06/06		KG
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.67 pH Units	02/24/06		KG
<b>Nitrogen Ammonia as N, by SM 4500 D</b>				
Nitrogen Ammonia by SM4500NH3	< 0.10 mg/L	03/03/06		AG
<b>Chloride by EPA Method 300.0 Rev. 2.1</b>				
Chloride	42.8 mg/L	03/16/06		VG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.25 mg/L	02/24/06		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.75 mg/L	02/24/06		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	21.8 mg/L	03/16/06		VG

### Qualifiers

- T Sample batched for QC. Includes components of non interest.
- S Due to high ion concentrations and peak shouldering, not able to calculate MS and or MSD for this analyte.



# McHenry Analytical Water Laboratory, Inc.

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

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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.

Contact: Chemistry - Mark Mueller ext. 7, Microbiology - Candy Rasmussen ext. 5, Phone: 815-344-4044, Fax: 815-344-2208.

---

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



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

## Laboratory Results

Date Received: 07/20/07 09:00  
Report Date: 8/10/2007  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 7G20003-01	Collect Date: 07/19/07 10:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 1 Glenwood

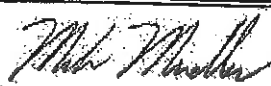
Parameter	Result	Analysis Date	Qualifier	Analyst
pH, Electrometric by EPA Method 150.1				
pH	7.49 pH Units	07/20/07		AG
Nitrite as N by EPA Method 300.0 Rev. 2.1				
Nitrite as N	< 0.210 mg/L	07/20/07		VG
Nitrate as N by EPA Method 300.0 Rev. 2.1				
Nitrate as N	1.25 mg/L	07/20/07		VG
Sulfate by EPA Method 300.0 Rev. 2.1				
Sulfate	30.3 mg/L	08/02/07		VG
Chloride by SM 4500 Cl-E				
Chloride	124 mg/L	07/20/07		AG
Nitrogen Ammonia, SM4500-NH3 G.				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	07/20/07		AG
Residue, Filterable, Dried at 180 C by SM 2540 C.				
Total Dissolved Solids	533 mg/L	07/31/07		KG

Sample No: 7G20003-02	Collect Date: 07/19/07 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	07/20/07		AG
Nitrite as N by EPA Method 300.0 Rev. 2.1				
Nitrite as N	< 0.210 mg/L	07/20/07		VG

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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.  
Contact: Chemistry - Mark Mueller ext. 7, Microbiology - Candy Rasmussen ext. 5, Phone: 815-344-4044, Fax: 815-344-2208.

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>7G20003-02</b>	Collect Date: <b>07/19/07 10:30</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 2 Glenwood</b>

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.26 mg/L	07/20/07		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	30.0 mg/L	08/02/07		VG
<b>Chloride by SM 4500 Cl-E</b>				
Chloride	126 mg/L	07/20/07		AG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	07/20/07		AG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	533 mg/L	07/31/07		KG

Sample No: <b>7G20003-03</b>	Collect Date: <b>07/19/07 10:30</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 3 Glenwood</b>

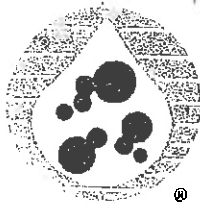
Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.46 pH Units	07/20/07		AG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.210 mg/L	07/20/07		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.26 mg/L	07/20/07		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	29.8 mg/L	08/02/07		VG
<b>Chloride by SM 4500 Cl-E</b>				
Chloride	125 mg/L	07/20/07		AG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.02 mg/L	07/20/07		AG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				

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 McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.  
 Contact: Chemistry - Mark Mueller ext. 7, Microbiology - Candy Rasmussen ext. 5, Phone: 815-344-4044, Fax: 815-344-2208.

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: 7G20003-03	Collect Date: 07/19/07 10:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

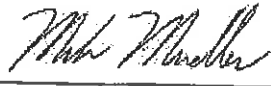
Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	567 mg/L	07/31/07		KG

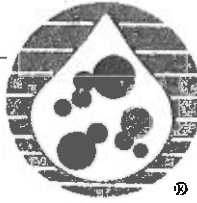
Sample No: 7G20003-04	Collect Date: 07/19/07 10:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.63 pH Units	07/20/07		AG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	0.364 mg/L	07/20/07		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	< 0.180 mg/L	07/20/07		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	35.2 mg/L	08/02/07		VG
<b>Chloride by SM 4500 Cl-E</b>				
Chloride	56.5 mg/L	07/20/07		AG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.20 mg/L	07/20/07		AG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	467 mg/L	07/31/07		KG

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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



## Laboratory Results

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

Date Received: 10/05/07 12:00  
Report Date: 10/30/2007  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 7J05012-01	Collect Date: 10/04/07 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	7.48 pH Units	10/05/07	H	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.210 mg/L	10/05/07		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.25 mg/L	10/05/07		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	31.2 mg/L	10/05/07		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	127 mg/L	10/19/07		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	10/18/07		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	2230 mg/L	10/08/07		PJ

Sample No: 7J05012-02	Collect Date: 10/04/07 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	7.51 pH Units	10/05/07	H	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.210 mg/L	10/05/07		VG

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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.  
Contact: Chemistry - Mark Mueller ext. 7, Microbiology - Candy Rasmussen ext. 5, Phone: 815-344-4044, Fax: 815-344-2208.

Certified by:

Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

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

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FAX (815) 344-2208



Sample No: 7J05012-02	Collect Date: 10/04/07 10:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.24 mg/L	10/05/07		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	31.1 mg/L	10/05/07		VG
<b>Chloride by LCHAT 10-117-07-1-A</b>				
Chloride	129 mg/L	10/19/07		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	10/18/07		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	733 mg/L	10/08/07		PJ

Sample No: 7J05012-03	Collect Date: 10/04/07 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	7.49 pH Units	10/05/07	H	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.210 mg/L	10/05/07		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.24 mg/L	10/05/07		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	30.9 mg/L	10/05/07		VG
<b>Chloride by LCHAT 10-117-07-1-A</b>				
Chloride	129 mg/L	10/19/07		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	10/18/07	E	KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				

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Certified by:

Mark Mueller, Project Manager



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McHenry, IL 60050-4208

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Sample No: 7J05012-03	Collect Date: 10/04/07 10:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	533 mg/L	10/08/07		PJ

Sample No: 7J05012-04	Collect Date: 10/04/07 10:00
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	7.71 pH Units	10/05/07	H	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.210 mg/L	10/05/07		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.430 mg/L	10/05/07		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	37.1 mg/L	10/05/07		VG
<b>Chloride by LCHAT 10-117-07-1-A</b>				
Chloride	54.3 mg/L	10/19/07		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	10/18/07		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	500 mg/L	10/08/07		PJ

### Qualifiers

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- 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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## Laboratory Results

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

Date Received: 02/26/08 11:12  
Report Date: 3/6/2008  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 8B26005-01	Collect Date: 02/25/08 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 1 Glenwood

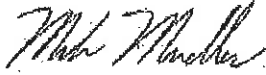
Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.94 pH Units	02/26/08	H	VG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.25 mg/L	02/27/08		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.21 mg/L	02/27/08		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	31.63 mg/L	02/27/08		VG
<b>Chloride by LCHAT 10-117-07-1-A</b>				
Chloride	151 mg/L	02/26/08		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	03/03/08		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	533.0 mg/L	03/03/08		PJ

Sample No: 8B26005-02	Collect Date: 02/25/08 11:00
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	7.45 pH Units	02/26/08	H	VG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.25 mg/L	02/28/08		VG

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Contact: Chemistry - Mark Mueller ext. 7, Microbiology - Candy Rasmussen ext. 5, Phone: 815-344-4044, Fax: 815-344-2208.

Certified by:   
Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

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

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Sample No: <b>8B26005-02</b>	Collect Date: <b>02/25/08 11:00</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 2 Glenwood</b>

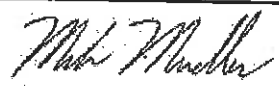
Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.19 mg/L	02/28/08		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	31.80 mg/L	02/28/08		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	153 mg/L	02/28/08		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	03/03/08		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	600.0 mg/L	03/03/08		PJ

Sample No: <b>8B26005-03</b>	Collect Date: <b>02/25/08 11:00</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	7.38 pH Units	02/26/08	H	VG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.25 mg/L	02/28/08		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.21 mg/L	02/28/08		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	31.35 mg/L	02/28/08		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	150 mg/L	02/26/08		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	03/03/08		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				

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Certified by:   
 Mark Mueller, Project Manager





# McHenry Analytical Water Laboratory, Inc.

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FAX (815) 344-2208



Sample No: 8B26005-03	Collect Date: 02/25/08 11:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	567.0 mg/L	03/03/08		PJ

Sample No: 8B26005-04	Collect Date: 02/25/08 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	7.77 pH Units	02/26/08	H	VG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.25 mg/L	02/28/08		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.54 mg/L	02/28/08		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	30.74 mg/L	02/28/08		VG
<b>Chloride by LCHAT 10-117-07-1-A</b>				
Chloride	55.6 mg/L	02/26/08		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	03/03/08		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	500.0 mg/L	03/03/08		PJ

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

### Laboratory Results

Date Received: 05/13/08 09:15  
Report Date: 6/5/2008  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 8E13006-01      Collect Date: 05/12/08 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	7.38 pH Units	05/13/08		PJ
Nitrite as N by EPA Method 300.0 Rev. 2.1				
Nitrite as N	< 0.25 mg/L	05/13/08		VG
Nitrate as N by EPA Method 300.0 Rev. 2.1				
Nitrate as N	1.14 mg/L	05/13/08		VG
Sulfate by EPA Method 300.0 Rev. 2.1				
Sulfate	30.62 mg/L	05/13/08		VG
Chloride by LCHAT 10-117-07-1-A				
Chloride	206 mg/L	05/21/08		KG
Nitrogen Ammonia, SM4500-NH3 G.				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	05/16/08		KG
Residue, Filterable, Dried at 180 C by SM 2540 C.				
Total Dissolved Solids	667.0 mg/L	05/19/08	D	PJ

Sample No: 8E13006-02      Collect Date: 05/12/08 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	7.36 pH Units	05/13/08		PJ
Nitrite as N by EPA Method 300.0 Rev. 2.1				
Nitrite as N	< 0.25 mg/L	05/13/08		VG

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Sample No: 8E13006-02	Collect Date: 05/12/08 10:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.16 mg/L	05/13/08		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	30.47 mg/L	05/13/08		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	191 mg/L	05/21/08		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	05/16/08		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	700.0 mg/L	05/19/08		PJ

Sample No: 8E13006-03	Collect Date: 05/12/08 10:30
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	7.36 pH Units	05/13/08		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.25 mg/L	05/13/08		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.15 mg/L	05/13/08		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	31.28 mg/L	05/13/08		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	199 mg/L	05/21/08		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.09 mg/L	05/16/08		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				

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Certified by:

Mark Mueller, Project Manager



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Sample No: 8E13006-03	Collect Date: 05/12/08 10:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	667.0 mg/L	05/19/08		PJ

Sample No: 8E13006-04	Collect Date: 05/12/08 10:30
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	7.47 pH Units	05/13/08		PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.25 mg/L	05/13/08		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.68 mg/L	05/13/08		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	26.12 mg/L	05/13/08		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	36.8 mg/L	05/21/08		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	05/16/08		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	433.0 mg/L	05/19/08		PJ

### 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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 McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.  
 Contact: Chemistry - Mark Mueller ext. 7, Microbiology - Candy Rasmussen ext. 5, Phone: 815-344-4044, Fax: 815-344-2208.

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



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

### Laboratory Results

Date Received: 07/29/08 09:45  
Report Date: 8/12/2008  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 8G29002-01      Collect Date: 07/28/08 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	7.19 pH Units	07/29/08		KG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.34 mg/L	07/29/08		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.30 mg/L	07/29/08		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	31.1 mg/L	07/29/08		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	202 mg/L	07/31/08		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	08/04/08		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	667.0 mg/L	08/01/08		PJ

Sample No: 8G29002-02      Collect Date: 07/28/08 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	7.24 pH Units	07/29/08		KG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.34 mg/L	07/29/08		VG

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Certified by:   
Mark Mueller, Project Manager



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Sample No: 8G29002-02	Collect Date: 07/28/08 10:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.28 mg/L	07/29/08		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	30.9 mg/L	07/29/08		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	202 mg/L	07/31/08		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	08/04/08		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	700.0 mg/L	08/01/08		PJ

Sample No: 8G29002-03	Collect Date: 07/28/08 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	7.22 pH Units	07/29/08		KG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.34 mg/L	07/29/08		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.28 mg/L	07/29/08		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	30.9 mg/L	07/29/08		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	206 mg/L	07/31/08		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	08/04/08		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				

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Certified by:   
 Mark Mueller, Project Manager



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Sample No: 8G29002-03	Collect Date: 07/28/08 10:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	700.0 mg/L	08/01/08		PJ

Sample No: 8G29002-04	Collect Date: 07/28/08 10:00
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	7.41 pH Units	07/29/08		KG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.34 mg/L	07/29/08		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.98 mg/L	07/29/08		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	29.0 mg/L	07/29/08		VG
<b>Chloride by LCHAT 10-117-07-1-A</b>				
Chloride	56.6 mg/L	07/31/08		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.08 mg/L	08/04/08		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	733.0 mg/L	08/01/08		PJ

### Qualifiers

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

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

## Laboratory Results

Date Received: 10/15/08 09:20  
Report Date: 11/10/2008  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: 8J15007-01      Collect Date: 10/14/08 11:30  
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	7.59 pH Units	10/15/08	H	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.84 mg/L	10/16/08		VG
Nitrite as N	< 0.34 "			VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	26.6 mg/L	10/16/08		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	47.6 mg/L	10/15/08		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.02 mg/L	10/15/08		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	433.0 mg/L	10/24/08		PJ

Sample No: 8J15007-02      Collect Date: 10/14/08 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	7.39 pH Units	10/15/08	H	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.34 mg/L	10/16/08		VG
Nitrite as N	< 0.34 "			VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				

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Certified by:

Mark Mueller, Project Manager





# McHenry Analytical Water Laboratory, Inc.

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Sample No: 8J15007-02	Collect Date: 10/14/08 11:30
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

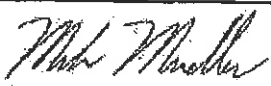
Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	29.0 mg/L	10/16/08		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	120 mg/L	10/15/08		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	10/15/08		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	567.0 mg/L	10/24/08		PJ

Sample No: 8J15007-03	Collect Date: 10/14/08 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	7.55 pH Units	10/15/08	H	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.98 mg/L	10/16/08		VG
Nitrite as N	< 0.34 "	"		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	24.9 mg/L	10/16/08		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	44.2 mg/L	10/15/08		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	10/15/08		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	733.0 mg/L	10/24/08		PJ

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Certified by:   
 Mark Mueller, Project Manager



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Sample No: 8J15007-04	Collect Date: 10/14/08 11:30
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	7.40 pH Units	10/15/08	H	PJ
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.33 mg/L	10/16/08		VG
Nitrite as N	< 0.34 "	"		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	29.1 mg/L	10/16/08		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	124 mg/L	10/15/08	E	KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	10/15/08		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	567.0 mg/L	10/24/08		PJ

### 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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**McHenry Analytical  
Water Laboratories**

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

### Laboratory Results

Date Received: 01/07/09 09:35  
Report Date: 1/30/2009  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School

Sample No: **9A07001-01** Collect Date: **01/06/09 13:00**  
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	7.43 pH Units	01/07/09		KG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.15 mg/L	01/07/09		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.85 mg/L	01/07/09		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	26.9 mg/L	01/07/09		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	143 mg/L	01/07/09		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	01/08/09		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	533.0 mg/L	01/09/09		PJ

Sample No: **9A07001-02** Collect Date: **01/06/09 13:00**  
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	7.38 pH Units	01/07/09		KG

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Certified by:   
Mark Mueller, Project Manager



**McHenry Analytical  
Water Laboratories**

**McHenry Analytical Laboratories Inc.**

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



Sample No: <b>9A07001-02</b>	Collect Date: <b>01/06/09 13:00</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 2 Glenwood</b>

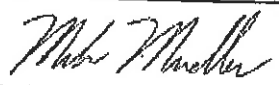
Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.15 mg/L	01/07/09		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.92 mg/L	01/07/09		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	30.4 mg/L	01/07/09		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	159 mg/L	01/07/09		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	01/08/09		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	567.0 mg/L	01/09/09		PJ

Sample No: <b>9A07001-03</b>	Collect Date: <b>01/06/09 13:00</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	7.33 pH Units	01/07/09		KG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.15 mg/L	01/07/09		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.92 mg/L	01/07/09		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	30.4 mg/L	01/07/09		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				

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Certified by:   
 Mark Mueller, Project Manager



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Email: www.mchenrylab.com



**McHenry Analytical  
Water Laboratories**

Sample No: <b>9A07001-03</b>	Collect Date: <b>01/06/09 13:00</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 3 Glenwood</b>

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	158 mg/L	01/07/09		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	01/08/09		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	600.0 mg/L	01/09/09		PJ

Sample No: <b>9A07001-04</b>	Collect Date: <b>01/06/09 13:00</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	7.38 pH Units	01/07/09		KG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.15 mg/L	01/07/09		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.93 mg/L	01/07/09		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	30.3 mg/L	01/07/09		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	160 mg/L	01/07/09		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	01/08/09		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	867.0 mg/L	01/09/09		PJ

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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.  
 Contact: Chemistry - Mark Mueller ext. 7, Microbiology - Candy Rasmussen ext. 5, Phone: 815-344-4044, Fax: 815-344-2208.

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



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

### Laboratory Results

Date Received: 04/14/09 09:36  
Report Date: 5/15/2009  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School  
Permit Number:

Sample No: 9D14005-01      Collect Date: 04/13/09 12:00  
Client ID: Foulkes Utilities (SI Glenwood)      Site: Vault # 1 Glenwood

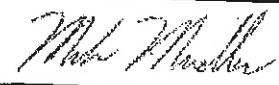
Parameter	Result	Analysis Date	Qualifier	Analyst
pH, Electrometric by EPA Method 150.1				
pH	7.31 pH Units	04/14/09		KG
Nitrite as N by EPA Method 300.0 Rev. 2.1				
Nitrite as N	< 0.15 mg/L	04/14/09		VG
Nitrate as N by EPA Method 300.0 Rev. 2.1				
Nitrate as N	0.72 mg/L	04/14/09		VG
Sulfate by EPA Method 300.0 Rev. 2.1				
Sulfate	23.7 mg/L	04/14/09		VG
Chloride by LACHAT 10-117-07-1-A				
Chloride	128 mg/L	04/29/09		KG
Nitrogen Ammonia, SM4500-NH3 G.				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	04/21/09		KG
Residue, Filterable, Dried at 180 C by SM 2540 C.				
Total Dissolved Solids	600.0 mg/L	04/20/09		KG

Sample No: 9D14005-02      Collect Date: 04/13/09 12:00  
Client ID: Foulkes Utilities (SI Glenwood)      Site: Vault # 2 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
pH, Electrometric by EPA Method 150.1				
pH	7.34 pH Units	04/14/09		KG
Nitrite as N by EPA Method 300.0 Rev. 2.1				

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Certified by:   
Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

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Sample No: 9D14005-02	Collect Date: 04/13/09 12:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 2 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
Nitrite as N by EPA Method 300.0 Rev. 2.1				
Nitrite as N	< 0.15 mg/L	04/14/09		VG
Nitrate as N by EPA Method 300.0 Rev. 2.1				
Nitrate as N	0.72 mg/L	04/14/09		VG
Sulfate by EPA Method 300.0 Rev. 2.1				
Sulfate	23.6 mg/L	04/14/09		VG
Chloride by LACHAT 10-117-07-1-A				
Chloride	132 mg/L	04/29/09	E	KG
Nitrogen Ammonia, SM4500-NH3 G.				
Nitrogen Ammonia by SM4500NH3	0.04 mg/L	04/21/09		KG
Residue, Filterable, Dried at 180 C by SM 2540 C.				
Total Dissolved Solids	600.0 mg/L	04/20/09		KG

Sample No: 9D14005-03	Collect Date: 04/13/09 12:00
Client ID: Foulkes Utilities (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
pH, Electrometric by EPA Method 150.1				
pH	7.32 pH Units	04/14/09		KG
Nitrite as N by EPA Method 300.0 Rev. 2.1				
Nitrite as N	< 0.15 mg/L	04/14/09		VG
Nitrate as N by EPA Method 300.0 Rev. 2.1				
Nitrate as N	0.72 mg/L	04/14/09		VG
Sulfate by EPA Method 300.0 Rev. 2.1				
Sulfate	23.6 mg/L	04/14/09		VG
Chloride by LACHAT 10-117-07-1-A				
Chloride	128 mg/L	04/29/09		KG
Nitrogen Ammonia, SM4500-NH3 G.				

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Certified by:

Mark Mueller, Project Manager



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McHenry, IL 60050-4208

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Sample No: 9D14005-03	Collect Date: 04/13/09 12:00
Client ID: Foulkes Utilitites (SI Glenwood)	Site: Vault # 3 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	04/21/09		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	600.0 mg/L	04/20/09		KG

Sample No: 9D14005-04	Collect Date: 04/13/09 12:00
Client ID: Foulkes Utilitites (SI Glenwood)	Site: Vault # 4 Glenwood

Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.27 pH Units	04/14/09		KG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.15 mg/L	04/14/09		VG
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.70 mg/L	04/14/09		VG
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	23.9 mg/L	04/14/09		VG
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	128 mg/L	04/29/09		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.02 mg/L	04/21/09		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	600.0 mg/L	04/20/09		KG

### Qualifiers

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

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

## Laboratory Results

Date Received: 07/08/09 09:10  
Report Date: 7/22/2009  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School  
Permit Number:

Sample No: 9G08004-01      Collect Date: 07/07/09 11:00  
Client ID: Foulkes Utilities (SI Glenwood)      Site: Vault # 1 Glenwood

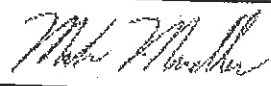
Parameter	Result	Analysis Date	Qualifier	Analyst
pH, Electrometric by EPA Method 150.1				
pH	7.18 pH Units	07/08/09		KG
Nitrite as N by EPA Method 300.0 Rev. 2.1				
Nitrite as N	< 0.15 mg/L	07/09/09		KL
Nitrate as N by EPA Method 300.0 Rev. 2.1				
Nitrate as N	1.01 mg/L	07/09/09		KL
Sulfate by EPA Method 300.0 Rev. 2.1				
Sulfate	29.4 mg/L	07/20/09		KL
Chloride by LCHAT 10-117-07-1-A				
Chloride	150 mg/L	07/14/09		KG
Nitrogen Ammonia, SM4500-NH3 G.				
Nitrogen Ammonia by SM4500NH3	< 0.01 mg/L	07/09/09		KG
Residue, Filterable, Dried at 180 C by SM 2540 C.				
Total Dissolved Solids	633.0 mg/L	07/14/09		KG

Sample No: 9G08004-02      Collect Date: 07/07/09 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	7.23 pH Units	07/08/09		KG
Nitrite as N by EPA Method 300.0 Rev. 2.1				

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McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.  
Contact: Chemistry - Mark Mueller ext. 7, Microbiology - Candy Rasmussen ext. 5, Phone: 815-344-4044, Fax: 815-344-2208.

Certified by:   
Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

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Sample No: <b>9G08004-02</b>	Collect Date: <b>07/07/09 11:00</b>
Client ID: <b>Foulikes Utilities (SI Glenwood)</b>	Site: <b>Vault # 2 Glenwood</b>

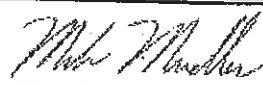
Parameter	Result	Analysis Date	Qualifier	Analyst
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.15 mg/L	07/09/09		KL
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.99 mg/L	07/09/09		KL
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	29.1 mg/L	07/20/09		KL
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	166 mg/L	07/14/09		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.01 mg/L	07/09/09		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	633.0 mg/L	07/14/09		KG

Sample No: <b>9G08004-03</b>	Collect Date: <b>07/07/09 11:00</b>
Client ID: <b>Foulikes 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	7.24 pH Units	07/08/09		KG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.15 mg/L	07/09/09		KL
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.01 mg/L	07/09/09		KL
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	29.1 mg/L	07/20/09		KL
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	166 mg/L	07/14/09		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				

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 McHenry Analytical Laboratories, 4314-A Crystal Lake Road, McHenry, IL 60050.  
 Contact: Chemistry - Mark Mueller ext. 7, Microbiology - Candy Rasmussen ext. 5, Phone: 815-344-4044, Fax: 815-344-2208.

Certified by:   
 Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

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McHenry, IL 60050-4208

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Sample No: 9G08004-03	Collect Date: 07/07/09 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	0.75 mg/L	07/09/09		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	633.0 mg/L	07/14/09		KG

Sample No: 9G08004-04	Collect Date: 07/07/09 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	7.26 pH Units	07/08/09		KG
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.15 mg/L	07/09/09	S	KL
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	1.02 mg/L	07/09/09	S	KL
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	29.1 mg/L	07/20/09		KL
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	168 mg/L	07/14/09		KG
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.06 mg/L	07/09/09		KG
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	633.0 mg/L	07/14/09		KG

### Qualifiers

S Due to high ion concentrations and peak shouldering, not able to calculate MS and or MSD for this analyte.

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Mark Mueller, Project Manager



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## Laboratory Results

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

Date Received: 10/07/09 10:10  
Report Date: 11/6/2009  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School  
Permit Number:

Sample No: 9J07005-01      Collect Date: 10/06/09 13:00  
Client ID: Foulkes Utilities (SI Glenwood)      Site: Vault # 1 Glenwood

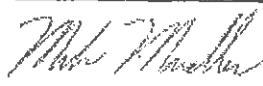
Parameter	Result	Analysis Date	Qualifier	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.45 pH Units	10/07/09		KL
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	10/08/09	S	KL
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.42 mg/L	10/08/09	E	KL
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	20.9 mg/L	11/02/09		KL
<b>Chloride by LCHAT 10-117-07-1-A</b>				
Chloride	55.6 mg/L	10/16/09		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.15 mg/L	10/09/09		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	567.0 mg/L	10/13/09		KL

Sample No: 9J07005-02      Collect Date: 10/06/09 13:00  
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	7.27 pH Units	10/07/09		KL
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				

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Certified by:   
Mark Mueller, Project Manager



# McHenry Analytical Water Laboratory, Inc.

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

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Sample No: 9J07005-02	Collect Date: 10/06/09 13:00
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	10/08/09		KL
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.72 mg/L	10/08/09		KL
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	25.1 mg/L	11/02/09		KL
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	111 mg/L	10/16/09		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	0.04 mg/L	10/09/09		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	567.0 mg/L	10/13/09		KL

Sample No: 9J07005-03	Collect Date: 10/06/09 13:00
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	7.45 pH Units	10/07/09		KL
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	10/08/09		KL
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	< 0.16 mg/L	10/08/09		KL
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	21.1 mg/L	11/02/09		KL
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	54.2 mg/L	10/16/09		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				

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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: 9J07005-03	Collect Date: 10/06/09 13:00
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	0.05 mg/L	10/09/09		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	500.0 mg/L	10/13/09		KL

Sample No: 9J07005-04	Collect Date: 10/06/09 13:00
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	7.26 pH Units	10/07/09		KL
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	10/08/09		KL
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.72 mg/L	10/08/09		KL
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	25.1 mg/L	11/02/09		KL
<b>Chloride by LCHAT 10-117-07-1-A</b>				
Chloride	111 mg/L	10/16/09		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.01 mg/L	10/09/09		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	600.0 mg/L	10/13/09		KL

### 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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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



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

### Laboratory Results

Date Received: 01/19/10 09:00  
Report Date: 2/12/2010  
NPDES/SI Permit Number: 2005-GO-5042  
Facility Number:  
Facility Name: Glenwood School  
Permit Number:

Sample No: 0A19005-01	Collect Date: 01/18/10 11:30
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	7.39 pH Units	01/19/10		KL
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	01/19/10		KL
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.52 mg/L	01/19/10		KL
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	25.1 mg/L	02/01/10		KL
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	50.4 mg/L	01/27/10		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.01 mg/L	01/22/10		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	433.0 mg/L	01/27/10		PJ

Sample No: 0A19005-02	Collect Date: 01/18/10 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	7.33 pH Units	01/19/10		KL
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				

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McHenry, IL 60050-4208

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Sample No: <b>0A19005-02</b>	Collect Date: <b>01/18/10 11:30</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 2 Glenwood</b>

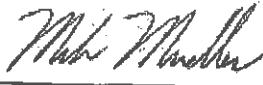
Parameter	Result	Analysis Date	Qualifler	Analyst
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	01/19/10		KL
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.66 mg/L	01/19/10		KL
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	23.9 mg/L	02/01/10		KL
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	107 mg/L	01/27/10		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.01 mg/L	01/22/10		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	567.0 mg/L	01/27/10		PJ

Sample No: <b>0A19005-03</b>	Collect Date: <b>01/18/10 11:30</b>
Client ID: <b>Foulkes Utilities (SI Glenwood)</b>	Site: <b>Vault # 3 Glenwood</b>

Parameter	Result	Analysis Date	Qualifler	Analyst
<b>pH, Electrometric by EPA Method 150.1</b>				
pH	7.38 pH Units	01/19/10		KL
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	01/19/10		KL
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.55 mg/L	01/19/10		KL
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	25.1 mg/L	02/01/10		KL
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	49.5 mg/L	01/27/10		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				

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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: <b>0A19005-03</b>	Collect Date: <b>01/18/10 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	< 0.01 mg/L	01/22/10		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	433.0 mg/L	01/27/10		PJ

Sample No: <b>0A19005-04</b>	Collect Date: <b>01/18/10 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	7.33 pH Units	01/19/10		KL
<b>Nitrite as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrite as N	< 0.10 mg/L	01/19/10	E	KL
<b>Nitrate as N by EPA Method 300.0 Rev. 2.1</b>				
Nitrate as N	0.70 mg/L	01/19/10	E	KL
<b>Sulfate by EPA Method 300.0 Rev. 2.1</b>				
Sulfate	23.7 mg/L	02/01/10		KL
<b>Chloride by LACHAT 10-117-07-1-A</b>				
Chloride	105 mg/L	01/27/10		PJ
<b>Nitrogen Ammonia, SM4500-NH3 G.</b>				
Nitrogen Ammonia by SM4500NH3	< 0.01 mg/L	01/22/10		PJ
<b>Residue, Filterable, Dried at 180 C by SM 2540 C.</b>				
Total Dissolved Solids	533.0 mg/L	01/27/10		PJ

### Qualifiers

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