



DIVISION OF INDUSTRY SERVICES
 PO BOX 7162
 MADISON WI 53707-7162
 Contact Through Relay
 www.dps.wi.gov/sb/
 www.wisconsin.gov

Scott Walker, Governor
 Dave Ross, Secretary

August 14, 2014

CUST ID No. 1282954

ATTN: Plumbing Inspector

GARY MATUSIN
 WATER RIGHT
 1900 PROSPECT CT
 APPLETON WI 54914

MUNICIPAL CLERK
 VILLAGE OF NEW AUBURN
 PO BOX 100
 NEW AUBURN WI 54757-0100

**CONDITIONAL APPROVAL
 PLAN APPROVAL EXPIRES: 08/14/2016**

Identification Numbers
Transaction ID No. 2446149
Site ID No. 800375
Please refer to both identification numbers, above, in all correspondence with the agency.

SITE:

Chieftan Sand & Proppant Barron Dry Plant
 331 27TH St
 Village of New Auburn, 54757
 Barron County

FOR:

Facility: 739670 CHIEFTAN SAND & PROPPANT BARRON DRY PLANT
 331 27TH ST
 NEW AUBURN 54757

Revision; 1 Interior Fixture(s)

Object Type: Commercial Water Treatment Device Regulated Object ID No.: 1474776
 Revision

The submittal described above has been reviewed for conformance with applicable Wisconsin Administrative Codes and Wisconsin Statutes. The submittal has been **CONDITIONALLY APPROVED**. The owner, as defined in chapter 101.01(10), Wisconsin Statutes, is responsible for compliance with all code requirements.

No person may engage in or work at plumbing in the state unless licensed to do so by the Department per s.145.06, stats.

This plan approval supersedes the previous approval granted for this site under transaction ID number 2377630. The change consists of changing from a variable rate chemical feed pump to a fixed rate pump.

The following conditions shall be met during construction or installation and prior to occupancy or use:

- The fixed rate chemical injection pump (45MPHP40) has undergone sufficient testing to document the device's ability to properly inject a chemical into a water supply system as specified in this approval letter:

<http://dps.wi.gov/sb/docs/sb-ppalopp/20120155.pdf>

- For buildings not served by a municipal water supply, Department of Natural Resources (DNR) written approval may be required prior to installation of this product to inject a chemical into a water supply system. For more information contact the DNR Private Water Systems Section, P.O. Box 7921, Madison, WI 53707, telephone (608) 266-3415.

- The sodium carbonate (aka soda ash) injected into this water supply system shall conform to NSF Standard 60 and shall not exceed its listed maximum use concentration. The maximum use concentration of "Neutra 7", manufactured by Pro Products LLC, is 100 mg/l:

<http://info.nsf.org/Certified/PwsChemicals/Listings.asp?CompanyName=pro+products&TradeName=&ChemicalName=&ProductFunction=&PlantState=&PlantCountry=&PlantRegion=>

Cross connection control is optional.

- Only a locking bypass shall be installed on the chemical injection system.
- All water distribution piping shall be marked as required by SPS Table 82.40-1a.
- The finished installation must undergo a final inspection prior to the treated water being used for consumptive purposes. The Plumbing Consultant having jurisdiction in this area is Don Hough. Mr. Hough can be reached via the following:

Phone: 715-634-4804

E-mail: don.hough@wi.gov

If the treated water is used for consumptive purposes prior to passing the final inspection, then this approval may be rendered null and void and the devices ordered removed. The Plumbing Consultant shall provide a written indication of the results of the final inspection to the system owner.

When the final inspection has been passed, the Plumbing Consultant will notify the Wisconsin Department of Natural Resources (WDNR) Field Staff having authority over the well. The WDNR will then monitor the quality of the treated water to its satisfaction. Monitoring advice, which the WDNR is free to accept or reject, is provided elsewhere in this letter. The WDNR Field Staff having authority over this well is Lawrence Ruetz. Mr. Ruetz can be contacted via the following:

Phone: 715-822-2671

E-mail: lawrence.ruetz@wisconsin.gov

- The suggested monitoring interval for this installation is monthly until a stable passivating layer has formed on the internal pipe surfaces which can be inferred from copper and lead concentrations dropping off to below detectable limits. The following tests should be performed:
 1. dissolved lead;
 2. dissolved copper;
 3. pH
 4. alkalinity

The water quality samples should be collected at a time of day when the chemical injection system is as close to peak demand as possible. Untreated and treated water samples should be collected together in sets, the untreated samples taken upstream of all water treatment devices and the treated samples from the most remote outlet. The sampling should be "first draw" as is normally required under the EPA's Lead and Copper Rule.

Note that this treatment approach leaves the water service piping (i.e. 1-inch type L copper), and water distribution piping prior to the point of chemical injection, unprotected and therefore prone to corrosion on an ongoing basis. The byproducts of this corrosion may appear in the treated water samples. The most practical solution to this problem would be to replace the water service/water supply piping with an inert piping material (e.g. CPVC, PEX, PVC, see Tables SPS 384.30-7 and 384.30-8).

- Any wall hydrant that is not served by the chemical treatment system shall have one, or more, of the following:
 - a. the handles of the hydrant shall be removed;
 - b. the hydrant shall be capped and sealed using solder; or
 - c. signage shall be posted immediately above the hydrant indicating the water is unfit for human consumption

Also, all hose connections shall be protected with hose connection vacuum breakers that conform to ASSE standards 1011 or 1052.

A full size copy of the approved plans, specifications and this letter shall be on-site during construction and open to inspection by authorized representatives of the Department, which may include local inspectors. If plan index sheets were submitted in lieu of additional full plan sets, a copy of this approval letter and index sheet shall be attached to plans that correspond with the copy on file with the Department. If these plans were submitted in an electronic form, the designer is responsible to download, print, and bind the full size set of plans along with our approval letter. A department electronic stamp and signature shall be on the plans which are used at the job site for construction. All permits required by the state or the local municipality shall be obtained prior to commencement of construction/installation/operation.

In granting this approval the Division of Industry Services reserves the right to require changes or additions should conditions arise making them necessary for code compliance. As per state stats 101.12(2), nothing in this review shall relieve the designer of the responsibility for designing a safe building, structure, or component.

Inquiries concerning this correspondence may be made to me at the telephone number listed below, or at the address on this letterhead.

Sincerely,

Glen W Schlueter
Plumbing Product Reviewer , Integrated Services
(608)267-1401 , Monday-Friday 7:15AM-4:00PM
glen.schlueter@wisconsin.gov

Fee Required \$	160.00
Fee Received \$	160.00
Balance Due \$	0.00
WiSMART code: 7657	

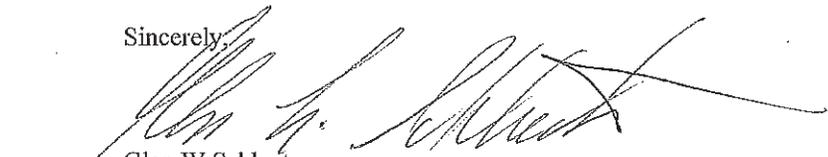
cc: Donald D Hough, Plumbing Consultant II, (715) 634-4804
Kenneth Gibson , Gibsons Watercare
Gibsons Watercare Service
Mike Perry, Chieftain Sand & Proppant

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Kenneth Gibson , Gibsons Watercare (Plans Mailed To)
Gibsons Watercare Service
Mike Perry, Chieftain Sand & Proppant

Note: Effective January 1, 2012, all codes under the jurisdiction of the Division of Industry Services (formerly Safety & Buildings) will be modified. Code references with prefixes starting with "Comm" have been replaced with "SPS" to recognize the relocation of the Division of Industry Services from the former Department of Commerce to the Department of Safety & Professional Services. Additionally, all IS (formerly S&B) codes have been renumbered and addressed in a "300" series. For future reference, the Wisconsin Commercial Building Code will be addressed by SPS Chapters 360-366.