



DIVISION OF INDUSTRY SERVICES
PO BOX 7162
MADISON WI 53707-7162
Contact Through Relay
<http://dpsa.wi.gov/programs/industry-services>
www.wisconsin.gov

Scott Walker, Governor
Dave Ross, Secretary

October 08, 2015

CUST ID No. 1293249

ATTN: Plumbing Inspector

ALAN MAST
HELLENBRAND INC
404 MORAVIAN VALLEY RD
WAUNAKEE WI 53597

BUILDING INSPECTION
VILLAGE OF SLINGER
300 SLINGER ROAD
SLINGER WI 53086

CONDITIONAL APPROVAL
PLAN APPROVAL EXPIRES: 10/08/2017

Identification Numbers
Transaction ID No. 2613926
Site ID No. 817869
Please refer to both identification numbers, above, in all correspondence with the agency.

SITE:

Itex Corporation
4509 Arthur Rd
Village of Slinger, 53086
Washington County

FOR:

Facility: 754845 ITEX CORPORATION
4509 ARTHUR RD
SLINGER 53086
Plan Type: New; 1 Interior Fixture(s)

Object Type: Commercial Water Treatment Device Regulated Object ID No.: 1558761

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.

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

- This plan review and approval was not in response to an order from the Wisconsin Department of Natural Resources (WDNR). This site was reviewed as a non-transient, non-community, public water supply.
- This plan approval is based on the fixture count provided by the submitter and attached to this approval letter. If, in the future, additional fixtures are added or the water supply system is significantly reconfigured, then the efficacy of this approved water treatment system may be significantly impacted and additional treatment measures may be required.
The peak water demand for this site is reported to be 33.5 gpm, as calculated by the submitter.
- This arsenic reduction system has undergone testing sufficient to document the device's ability to reduce arsenic as specified in this approval letter, when the system is installed and maintained in strict accordance with the manufacturer's published instructions.
- Where the Wisconsin Department of Natural Resources (WDNR) has jurisdiction, a written approval may be required prior to installation of this system to reduce the concentration of a contaminant that exceeds the primary drinking water standards in ch. NR 809 Wis. Adm. Code, the enforcement standards contained in ch. NR 140 Wis. Adm. Code, or for a water supply system that is subject to a written advisory opinion by the WDNR. For more information contact the WDNR Section of Private Water Supply P.O. Box 7921, Madison WI 53707 (608) 267-9787.

- If the arsenic reduction system is modified, or additional assertions of function or performance are made, then this approval shall be considered null and void unless the change is submitted to the department for review and the approval is reaffirmed.
- The finished installation shall undergo, and pass, a final inspection prior to the treated water being used for consumptive purposes. The Plumbing Consultant having jurisdiction in this area is Philip Mnuk. Mr. Mnuk may be reached via the following:
Phone: 262-354-5167 E-mail: Philip.mnuk@wisconsin.gov
If the treated water is used for consumptive purposes prior to passing a final inspection, then this approval may be rendered null and void and the arsenic reduction system ordered removed. The Plumbing Consultant shall provide a written indication of the final inspection to the system owner.
- The suggested monitoring interval for this installation is quarterly. The following test should be performed:
 1. Total arsenic
Samples should be collected at a time of day when the arsenic reduction system is at, or near, peak demand and most remote from the previous regeneration as possible. Untreated and treated water samples should be collected contemporaneously in sets with untreated water samples being collected upstream of all water treatment devices; treated water samples should be collected from the most remote tap possible relative to the point-of-entry.
- Any wall hydrants that are not served by treated water shall have at least one of the following:
 1. The handles of the hydrant shall be removed;
 2. The hydrant shall be capped and sealed using solder; or
 3. Signage shall be posted immediately above the hydrant indicating the water is unfit for human consumption.
All hose connections shall be protected with vacuum breakers that conform to American Society of Sanitary Engineering (ASSE) standards 1011 or 1052.
- The ongoing maintenance of this system shall be performed by Guthrie & Fry Water Conditioning LLC, 608 W. North Shore Drive, Hartland WI 53029, 262-367-1960.
- A complete set of owner's manuals, installation, operation and maintenance instructions for all water treatment devices installed shall be provided to the system owner and remain onsite.
- No bypass piping shall be installed serving the arsenic treatment system. If however a bypass is strongly desired, then it shall be of the locking type.

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 , Division of Industry Services
(608)267-1401 , Monday-Thursday 7:00AM-4:00PM
Friday 8:00AM-12:00PM
glen.schlueter@wisconsin.gov

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

cc: Hellenbrand Inc
Philip Lawson Mnuk, Plumbing Consultant, (262) 354-5167 , M-t 7:00AM-4:15PM -FRI-7:00AM -12:00AM
Rob Frey , Guthrie & Frey Water Conditioning
Aber Hollander , Itex Corporation

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.

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HELLENBRAND WATER CONDITIONERS, INC.
 FIXTURE ANALYSIS
 JOB & CUSTOMER: Guthrie & Frey - ITEX

TYPE OF FIXTURE	QTY	HOT QTY	COLD QTY	TOTAL QTY	FIX UNITS
Automatic Clothes Washer	1.00	1.00	1.00	2	3.00
Bar Sink * 2. Ice makers	0.50	0.50	0.50	2	2.00
Bathtub (With or without Shower Head)	1.50	1.50	1.50	3	6.00
Bidet	1.00	1.00	1.00	1	1.00
Dishwasher Machine	1.00	0.50	0.50	1	1.00
Glass Filler	3.00	3.00	3.00	3	3.00
Hose bib: 1/2" diameter	4.00	4.00	4.00	4	4.00
" " " 3/4" diameter	1.00	1.00	1.00	2	3.00
Kitchen Sink * 1 prep sink	1.00	1.00	1.00	1	1.50
Laundry Tray, 1 or 2 Compartment	0.50	0.50	0.50	1	1.00
Lavatory	1.00	1.00	1.00	6	1.50
Shower per Head	1.00	1.00	1.00	6	6.00
Water Closet: Flushometer	2.00	2.00	2.00	10	20.00
" " Gravity Type					
Bathroom Grouns:					
Bathtub, Lav. and Water Closet-Flushometer	2.00	7.50	7.50	8	8.00
Bathtub, Lav. And Wtr. Closet-Flush Tank	2.00	3.50	3.50	4	4.00
Shower Stall, Lav. & Wtr. Closet-Flushometer	1.50	7.00	7.00	7	7.50
Shower Stall, Lav. & Wtr. Closet-Flush Tank	1.50	3.00	3.00	3	3.50
TOTAL SFU					61.50

| FIX UNITS |
|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 |
| 37 | 38 | 39 | 40 | 41 | 42 |
| 43 | 44 | 45 | 46 | 47 | 48 |
| 49 | 50 | 51 | 52 | 53 | 54 |
| 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 |
| 67 | 68 | 69 | 70 | 71 | 72 |
| 73 | 74 | 75 | 76 | 77 | 78 |
| 79 | 80 | 81 | 82 | 83 | 84 |
| 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 |
| 97 | 98 | 99 | 100 | 101 | 102 |
| 103 | 104 | 105 | 106 | 107 | 108 |
| 109 | 110 | 111 | 112 | 113 | 114 |
| 115 | 116 | 117 | 118 | 119 | 120 |
| 121 | 122 | 123 | 124 | 125 | 126 |
| 127 | 128 | 129 | 130 | 131 | 132 |
| 133 | 134 | 135 | 136 | 137 | 138 |
| 139 | 140 | 141 | 142 | 143 | 144 |
| 145 | 146 | 147 | 148 | 149 | 150 |
| 151 | 152 | 153 | 154 | 155 | 156 |
| 157 | 158 | 159 | 160 | 161 | 162 |
| 163 | 164 | 165 | 166 | 167 | 168 |
| 169 | 170 | 171 | 172 | 173 | 174 |
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| 181 | 182 | 183 | 184 | 185 | 186 |
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| 259 | 260 | 261 | 262 | 263 | 264 |
| 265 | 266 | 267 | 268 | 269 | 270 |
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| 283 | 284 | 285 | 286 | 287 | 288 |
| 289 | 290 | 291 | 292 | 293 | 294 |
| 295 | 296 | 297 | 298 | 299 | 300 |

Next Larger SFU/GPM	SFU	GPM
65	65	33.5
80	80	32

Peak GPM Demand 32.5

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| FIX UNITS |
|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 |
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| 31 | 32 | 33 | 34 | 35 | 36 |
| 37 | 38 | 39 | 40 | 41 | 42 |
| 43 | 44 | 45 | 46 | 47 | 48 |
| 49 | 50 | 51 | 52 | 53 | 54 |
| 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 |
| 67 | 68 | 69 | 70 | 71 | 72 |
| 73 | 74 | 75 | 76 | 77 | 78 |
| 79 | 80 | 81 | 82 | 83 | 84 |
| 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 |
| 97 | 98 | 99 | 100 | 101 | 102 |
| 103 | 104 | 105 | 106 | 107 | 108 |
| 109 | 110 | 111 | 112 | 113 | 114 |
| 115 | 116 | 117 | 118 | 119 | 120 |
| 121 | 122 | 123 | 124 | 125 | 126 |
| 127 | 128 | 129 | 130 | 131 | 132 |
| 133 | 134 | 135 | 136 | 137 | 138 |
| 139 | 140 | 141 | 142 | 143 | 144 |
| 145 | 146 | 147 | 148 | 149 | 150 |
| 151 | 152 | 153 | 154 | 155 | 156 |
| 157 | 158 | 159 | 160 | 161 | 162 |
| 163 | 164 | 165 | 166 | 167 | 168 |
| 169 | 170 | 171 | 172 | 173 | 174 |
| 175 | 176 | 177 | 178 | 179 | 180 |
| 181 | 182 | 183 | 184 | 185 | 186 |
| 187 | 188 | 189 | 190 | 191 | 192 |
| 193 | 194 | 195 | 196 | 197 | 198 |
| 199 | 200 | 201 | 202 | 203 | 204 |
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| 211 | 212 | 213 | 214 | 215 | 216 |
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| 223 | 224 | 225 | 226 | 227 | 228 |
| 229 | 230 | 231 | 232 | 233 | 234 |
| 235 | 236 | 237 | 238 | 239 | 240 |
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| 259 | 260 | 261 | 262 | 263 | 264 |
| 265 | 266 | 267 | 268 | 269 | 270 |
| 271 | 272 | 273 | 274 | 275 | 276 |
| 277 | 278 | 279 | 280 | 281 | 282 |
| 283 | 284 | 285 | 286 | 287 | 288 |
| 289 | 290 | 291 | 292 | 293 | 294 |
| 295 | 296 | 297 | 298 | 299 | 300 |

61.50
 32.5
 65
 80

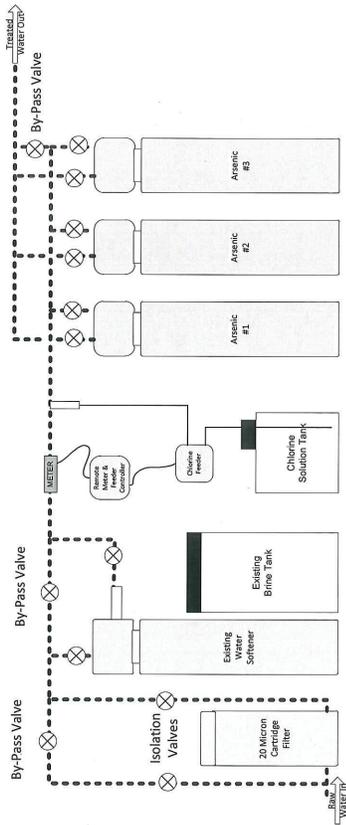
ITEX Corp
4509 Arthur Road, Slinger
Fixture List

<u>Quantity</u>	<u>Description</u>
1	laundry tray
16	lavs
10	toilets
6	showers
1	shower with 8 pou (2 heads and 6 1.5 gpm body sprays)
2	whirlpool tubs
1	bathtub
1	kitchen sink
1	prep sink
2	clothes washer
1	bar sink
1	bar icemaker (residential)
1	refrigerator icemaker

Notes

- *Home is supported by 2 wells. The south well (well log LU 728) has a 5 hp pump producing ~35 gpm. The north well (well log LU 734) has a 3 hp pump producing ~25 gpm.
- *The well pump system is set up so that the lead pump (alternates every year) is set to run at 50/70 and the second pump comes on line only if the pressure drops to 40 psi.
- *This home is being converted from a single family residence to a group rehab facility with 16 temporary residents.
- *Private septic system.
- *Trying to arrive at a cost effective design that can support the home but also minimize the discharge to the septic (even if they create a dedicated drainage site for the system). Client is willing to deal with some level of restricting device so we don't necessarily need to match the fixture count and certainly not the well pump capacity.

Conditionally
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Alan H. Adlert
SEE CORRESPONDENCE



ITEX Equipment Layout	
PART #	
DRAWING #	
DWG REF: ITEX Layout	
DATE: 9-18-2015	
JOB: ITEX	
DWG BY: A. MAST	
Muskegon, MI (231) 245-3329	

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RECEIVED
 SEP 23 2015
 INDUSTRY SERVICES

