

# Low Pressure Reverse Osmosis Water Treatment Plant



VILLAGE *of* WESTERN SPRINGS  
COOK COUNTY, ILLINOIS

**Western Springs Water Department**  
**614 Hillgrove Avenue**  
**Western Springs IL 60558**

Monthly Progress Report #2

December 2011





January 1, 2012

Mr. Mathew Supert  
Acting Director of Municipal Services  
Village of Western Springs  
740 Hillgrove Avenue  
Western Springs, IL 60558

*Subject:* Village of Western Springs  
Low Pressure Reverse Osmosis Water Treatment Plant  
Monthly Construction Progress Report No. 2

Dear Mr. Supert:

We herewith submit our Progress Report No. 2 for the construction of the Low Pressure Reverse Osmosis Water Treatment Plant for the Village of Western Springs covering the one month period from December 1, 2011 through December 31, 2011.

**1. *Overview and Status of the Work***

The Low Pressure Reverse Osmosis Water Treatment Plant for the Village of Western Springs project consists of the demolition of the existing water treatment process and installation of a Low Pressure Reverse Osmosis (LPRO) Water Treatment Plant. This includes the demolition of mechanical and electrical equipment, piping, HVAC, roofs, walls, floors, etc. It also includes the installation of roofs, walls, floors, pumps, piping, electrical equipment, chemical tanks, an iron removal system and a LPRO membrane filtration system.

In the past month, Joseph J. Henderson & Son, Inc. has;

- Finished the demolition of the Raw Water Treatment Room.
- Installed the structural steel for the 1<sup>st</sup> floor of the Raw Water Treatment Room.
- Removed the roofs from the Clarifier and East Filter Rooms.
- Demolished and removed the Clarifier and East Filter.
- Began demolishing and removing the fillet concrete in the Clarifier.
- Cut the door opening from the Raw Water Treatment Room to the Basement.

2. *Scheduled Upcoming Work/January, 2012*

In the next month, Joseph J. Henderson & Son, Inc. plans to;

- Finish the demolition and removal of the fillet concrete in the Clarifier.
- Place the concrete for the 1<sup>st</sup> floor in the Raw Water Treatment Room.
- Place the Iron Removal equipment on the 1<sup>st</sup> floor of the Raw Water Treatment Room.
- Place flowable fill in the Membrane, CIP and Instrumentation Rooms.

3. *Project Schedule*

The December 2011 Construction Schedule update indicates the project's final completion date remains on schedule.

▪ Contract Execution Date	June 15, 2011
▪ Total Time Expended	25 days
▪ Percent Total Time Complete	100.00%
▪ Phase 1 Completion Date (Contractor Mobilization Date)	November 7, 2011
▪ Total Time Expended	56 days
▪ Percent Total Time Complete	30.77%
▪ Phase 2 Completion Date	May 6, 2012
▪ Total Time Expended	0 days
▪ Percent Total Time Complete	0.00%
▪ Phase 3 Completion Date	September 5, 2012
▪ Total Time Expended	0 days
▪ Percent Total Time Complete	0.00%
▪ Phase 4 Completion Date	November 6, 2012
▪ Total Time Expended	0 days
▪ Percent Total Time Complete	0.00%
▪ Phase 5 Completion Date (Final Completion Date)	February 2, 2013
▪ Total Construction Duration (Final Completion)	454 calendar days
▪ Total Time Expended	56 days
▪ Percent Total Time Complete	12.33%
▪ Approved Time Extensions	0 days

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4. *Construction Costs and Progress Payments*

Applications for Progress Payments will be submitted each month by Joseph J. Henderson & Son, Inc. to commensurate with the work performed. The following is a summary of progress payments.

▪ Total Construction Price	\$6,627,820.00
▪ Amiad Equipment Price (Owner Supplied)	\$ 497,820.00
▪ JJHenderson's Contract Price	\$6,130,000.00
▪ Approved Change Orders (JJH)	\$ 0.00
▪ Approved Change Order Percentage (JJH)	0.00%
▪ Completed To Date (JJH)	\$ 293,199.67
▪ Percent Completed To Date (JJH)	4.783%

5. *Pending Action Items and Issues*

- None Pending.

Should you have any questions, please do not hesitate to call.

Very truly yours,

Robert J. Reid  
Resident Engineer  
Camp Dresser & McKee Inc.

cc: Robert S. Isabel, P.E., BCEE



Raw Water Treatment Room Emptied



Demolition of Clarifier



Clarifier Roof Plank Removal



Clarifier Removal

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Clarifier Demolished and Removed



Concrete Fillet Removal

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Structural Steel Installation in Raw Water Treatment



1<sup>st</sup> Floor of Raw Water Treatment