

January 30, 2007

Mr. Rodney Schwartz  
CENWO-OD-RF  
U.S. Army Corps of Engineers  
12565 West Center Road, Rm 151  
Omaha, NE 68144-3869

RE: January 2007 Construction Report Submittal  
Metropolitan Utilities District  
Platte West Water Production Facilities Project – Permit No. 199910085

Mr. Schwartz:

Enclosed is a copy of the January 2007 Construction Report for the Platte West Project as required by its permit conditions. As specified within Appendix A of the permit conditions, copies of the report are being delivered to the KC Corps, USEPA Region VII, and Nebraska DEQ.

In addition, as with previous Construction Reports, this report will soon be available to the public and agencies via MUD's website,  
<[www.mudomaha.com/plattewest/documents/contents.html](http://www.mudomaha.com/plattewest/documents/contents.html)>.

Sincerely,

**SIGNATURE**

Kevin P. Tobin  
Platte West Project Manager

Encl.

cc: Mr. Garth Anderson, KC Corps of Engineers  
Ms. Melissa Kemling, Nebraska DEQ  
Mr. Scott Marquess, USEPA Region VII

**Construction Report**  
**on the**  
**Platte West Water Production Facilities**  
**Project**

**Submitted by the**  
**Metropolitan Utilities District of Omaha**

**In compliance with the**  
**U.S. Army Corps of Engineers**  
**Section 404 Permit No. 199910085**

**January 2007**

## Introduction

The purpose of this report is for the Metropolitan Utilities District (MUD) to provide the Omaha District Corps of Engineers (District) a timely status report regarding on-going construction activities for development of its Platte West Water Production Facilities Project. The format and timing of this report are as outlined in the District's Section 404 Permit No. 199910085. For convenience, the applicable conditions (Permit Conditions E-48 & E-49) are repeated below:

*48. Any reports requiring photo documentation will adhere to the following conventions: all photographs labeled as to date, direction of view and location using latitude-longitude coordinates, along with a brief description of the work being documented by the photographs. For physical structures, such as the treatment plant, other means of identifying the location of photo documentation for the Corps may be more appropriate/acceptable and will be considered on a case-by-case basis if so requested by the Permittee.*

*49. During any construction period, defined as any calendar quarter in which the building of any facilities needed to support the well field or the drilling of any wells takes place, a semi-annual construction report that includes that calendar quarter, will be provided to the Omaha District regarding the status of the project development. The first report will be submitted not later than 90 days after initiation of project construction, with subsequent reports due every 6 months thereafter until the construction is complete and accepted. The information to be provided includes:*

- a. Name of the facility being constructed, legal description and Corps permit number(s).*
- b. Photographs documenting the progress of construction during the reporting period.*
- c. A map identifying these photo locations.*
- d. Status of construction at the end of the reporting period and the projected construction schedule.*
- e. An analysis of concerns and problems identified during the reporting period, and the corrective measures undertaken, or projected to be taken.*
- f. Names of construction firms and the points of contact for the various contractors doing the construction.*

The report is divided into six sections as described above and covers the semi-annual reporting period from July 1, 2006 through December 31, 2006.

**Section A. Name of Facility Being Constructed/Legal Description/Corps Permit Number(s)**

During the reporting period for this construction report, MUD had six (6) active construction contracts. Three of these contracts involve construction within the wellfield, two at the treatment plant site, and one for the Raw Water Main/Backwash Drainline.

**1. Wellfield Construction:**

**A. Name of Facilities Being Constructed – Production Wells:**

This contract includes drilling test holes and temporary observation wells as part of the process for constructing each production well. Also included in the contract is drilling a limited number of monitoring and domestic wells.

**Legal Description:**

Douglas County – The West ½ of the SE¼ of Section 31, T15N, R10E & the South ½ of the NW¼, and the West ½ of the SW¼ of Section 5 & the East ½ of Section 6, and the remaining portion of a tract of land known as Government Lot #8 of fractional Section 6 plus accretions & the West ½, including the tract of land known as Government Lots #1, #2, and #3, of fractional Section 8 plus accretions, all in T14N, R10E.

Saunders County – The SE¼ of Section 7 plus accretion including any accretion contiguous to Section 7 located in Section 8 & a triangular portion of land located in the SW¼ of Section 7 & the East ½ of Section 18 with the exception of land located in the SE¼ of the NE ¼ of the section and east of the right-of-way on which the levee of the Clear Creek Drainage District is located & any accretion land located in the NW¼ of the NW¼ of Section 17 and any land located in the East ½ of Section 17 located west of the Clear Creek Drainage District levee & Section 19 & any land in the NW¼ of Section 20 located west of the Clear Creek Drainage District levee, all in T14N, R10E.

**Corps Permit Number(s):**

U.S. Army Corps of Engineers Section 404 Permit No. 199910085

**B. Name of Facilities Being Constructed – Wellfield Collector Piping & Access Roads:**

This contract includes installation of collector piping in wellfield, construction of access roads and well pads, and installation of electrical ductbanks.

**Legal Description:**

Douglas County – The West ½ of the SE¼ of Section 31, T15N, R10E & the South ½ of the NW¼, and the West ½ of the SW¼ of Section 5 & the East ½ of Section 6, and the remaining portion of a tract of land known as Government Lot #8 of fractional Section 6 plus accretions & the West ½, including the tract of land known as Government Lots #1, #2, and #3, of fractional Section 8 plus accretions, all in T14N, R10E.

Saunders County – The SE<sup>1</sup>/<sub>4</sub> of Section 7 plus accretion including any accretion contiguous to Section 7 located in Section 8 & a triangular portion of land located in the SW<sup>1</sup>/<sub>4</sub> of Section 7 & the East ½ of Section 18 with the exception of land located in the SE<sup>1</sup>/<sub>4</sub> of the NE ¼ of the section and east of the right-of-way on which the levee of the Clear Creek Drainage District is located & any accretion land located in the NW<sup>1</sup>/<sub>4</sub> of the NW<sup>1</sup>/<sub>4</sub> of Section 17 and any land located in the East ½ of Section 17 located west of the Clear Creek Drainage District levee & Section 19 & any land in the NW<sup>1</sup>/<sub>4</sub> of Section 20 located west of the Clear Creek Drainage District levee, all in T14N, R10E.

**Corps Permit Number(s):**

U.S. Army Corps of Engineers Section 404 Permit No. 199910085

**C. Name of Facilities Being Constructed – Wellhead Construction:**

This contract includes installation of pumps and drivers, construction of the concrete wellhead, construction of the valve/meter vault, installation of well piping, and electrical service connections.

**Legal Description:**

Douglas County – The West ½ of the SE<sup>1</sup>/<sub>4</sub> of Section 31, T15N, R10E & the South ½ of the NW<sup>1</sup>/<sub>4</sub>, and the West ½ of the SW<sup>1</sup>/<sub>4</sub> of Section 5 & the East ½ of Section 6, and the remaining portion of a tract of land known as Government Lot #8 of fractional Section 6 plus accretions & the West ½, including the tract of land known as Government Lots #1, #2, and #3, of fractional Section 8 plus accretions, all in T14N, R10E.

Saunders County – The SE<sup>1</sup>/<sub>4</sub> of Section 7 plus accretion including any accretion contiguous to Section 7 located in Section 8 & a triangular portion of land located in the SW<sup>1</sup>/<sub>4</sub> of Section 7 & the East ½ of Section 18 with the exception of land located in the SE<sup>1</sup>/<sub>4</sub> of the NE ¼ of the section and east of the right-of-way on which the levee of the Clear Creek Drainage District is located & any accretion land located in the NW<sup>1</sup>/<sub>4</sub> of the NW<sup>1</sup>/<sub>4</sub> of Section 17 and any land located in the East ½ of Section 17 located west of the Clear Creek Drainage District levee & Section 19 & any land in the NW<sup>1</sup>/<sub>4</sub> of Section 20 located west of the Clear Creek Drainage District levee, all in T14N, R10E.

**Corps Permit Number(s):**

U.S. Army Corps of Engineers Section 404 Permit No. 199910085

## **2. Treatment Plant Construction:**

### **A. Name of Facilities Being Constructed – Water Treatment Plant:**

This contract includes construction of the main water treatment plant, the reservoir, the pump station, residuals handling facility, generator building, garage, security facilities, pavement and other site/civil work.

#### **Legal Description:**

The SW<sup>1</sup>/<sub>4</sub> of Section 1, T14N, R10E.

#### **Corps Permit Number(s):**

U.S. Army Corps of Engineers Section 404 Permit No. 199910085

## **3. Raw Water Main and Backwash Drainline Construction:**

### **Name of Facilities Being Constructed – Raw Water Main/Backwash Drainline:**

This contract includes construction of a 72” diameter steel water main from the Douglas County wellfield to the water treatment plant site. Also included is construction of a 22” diameter HDPE drainline from the treatment plant site to the Douglas County wellfield.

#### **Legal Description:**

Permanent and temporary easement for this facility includes:

A portion of the treatment plant site described above under “Treatment Plant Construction”, and from the southwest corner of the site extending to the west generally as follows: the south 100’ of Section 2; a 100’ wide tract in the southerly portion of Section 3, the northwest <sup>1</sup>/<sub>4</sub> of Section 10, and the northeast <sup>1</sup>/<sub>4</sub> of Section 9; a 100’ wide tract of land in portions of Section 4 and Section 9 along West Q Road; and the north 100’ of the northeast <sup>1</sup>/<sub>4</sub> of Section 8; all sections in T14N, R10E.

#### **Corps Permit Number(s):**

U.S. Army Corps of Engineers Section 404 Permit No. 199910085

**Section B. Photographs Documenting Construction Progress During Reporting Period**

Photo documentation is included in the appendix to this report.

**Section C. Map Identifying Photo Location**

Photo location maps are not available and not necessary to adequately describe location of photos included in this report.

**Section D. Status of Construction at End of Reporting Period/Projected Schedule****Production Wells:**

All authorized fieldwork associated with this contract has been completed.

**Wellfield Collector Piping & Access Roads:**

At the end of December 2006, with the exception of minor clean-up, work associated with this contract has been completed.

**Wellhead Construction:**

At the end of December 2006, construction of wellheads is essentially complete. Well pump and motor installation and electrical work in Saunders County remains.

**Site Grading/Erosion Control:**

This contract was accepted as final in October 2006.

**Treatment Plant Construction:**

At the end of December 2006, the project is approximately 60% complete. Contractor still anticipates completion in spring of 2008.

**Raw Water Main and Backwash Drainline:**

At the end of December 2006, the Raw Water Main has been installed with exception of a couple hundred feet on either side of the Elkhorn River. Installation of the backwash drainline beneath the Elkhorn River remains. Project is on-schedule for completion by spring of 2007.

## **Section E. Analysis of Concerns and Problems and Corrective Measures**

### **Production Wells:**

Work under this contract has been completed and contract will soon be finalized. Any remaining monitoring well, domestic well, or stock well work will be completed under a purchase order arrangement.

### **Wellfield Collector Piping & Access Roads:**

No significant problems regarding this contract were noted during this reporting period.

### **Wellhead Construction:**

No significant problems regarding this contract have arisen.

### **Site Grading/Erosion Control:**

No significant problems regarding this contract were noted during this reporting period and this project has been completed.

### **Treatment Plant Construction:**

Contractor continued performing significant amount of dust control in and around site. In addition to Contractor's efforts, MUD worked with Douglas County to apply dust palliative along Q Street and 216<sup>th</sup> Street. Early winter concerns regarding tracking mud onto Q Street was addressed by Contractor. Schedule remains a concern in order to meet early incentive completion date.

### **Raw Water Main and Backwash Drainline:**

No significant problems regarding this contract have arisen.

**Section F. Points of Contact****Active contracts for 1st half of 2007:****Wellfield Collector Piping & Access Roads:**

S.J. Louis Construction, Inc.  
John Pennekamp - Project Manager  
P.O. Box 399  
Waite Park, MN 66203  
Phone Number: 320/253-9291

**Water Treatment Plant:**

Alberici Constructors, Inc.  
Joe Turner – Project Manager  
21212 West Q. Road  
Elkhorn, NE 68022-3218  
Phone Number: 402/504-7517

**Wellhead Construction:**

Graham Penn-Co  
Dave Rexin – Project Manager  
4152 S. 89<sup>th</sup> Street  
Omaha, NE 68127  
Phone Number: 402/891-9651

**Raw Water Main:**

Garney Construction  
J.W. Youngblood - Vice-President  
1331 NW Vivion Rd.  
Kansas City, MO 64118  
Phone Number: 816/746-7223

*End of Report*

**Appendix A**

**Photo Documentation of Wellhead Construction  
(No Site Map Available)**



**Wellfield Construction (Taken November 13, 2006)**  
*Aerial View Looking North – Saunders County Wellfield*

**Appendix B**

**Photo Documentation of Raw Water Main Construction  
(No Site Map Available)**



**View of Elkhorn Crossing (Taken November 13, 2006)**  
*Aerial View from South*

**Appendix C**

**Photo Documentation of Water Treatment Plant Construction  
(No Site Map Available)**



**Water Treatment Plant (Taken January 8, 2007)**  
*Aerial View Looking Northeast (Intersection of 216<sup>th</sup> and Q Streets in lower left corner)*

*End of Appendices*