January 11, 2008

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

RE: 2007 Annual Groundwater Monitoring Report
Metropolitan Utilities District
Platte West Water Production Facilities Project – Permit No. 199910085

Mr. Schwartz,

Enclosed is a copy of the 2007 Annual Groundwater Monitoring Report. A specified in Appendix A of the permit conditions, copies (electronic) of this report are being made available to the Corps of Engineers – Kansas City District, USEPA Region VII, and NDEQ.

In addition, this report will soon be available to the public and other interested agencies via MUD's website, www.mudomaha.com/plattewest/documents/contents.html.

Sincerely,

SIGNATURE

Kevin P. Tobin
Platte West Project Manager

Encl.

cc: Electronic Only
Mr. Garth Anderson, USACE – Kansas City District
Ms. Melissa Kemling, Nebraska DEQ
Mr. Scott Marquess, USEPA Region VII

2007

Annual Groundwater Monitoring Report

for the

Platte West Wellfield Project

Submitted by the

Metropolitan Utilities District of Omaha

to the

Corps of Engineers – Omaha District

January 2008

Introduction

The purpose of this report is for the Metropolitan Utilities District of Omaha (MUD) to provide the Omaha District Corps of Engineers (Corps) with groundwater monitoring data collected over the past year relevant to MUD's Platte West Water Production Facilities Project. The content of this report is as outlined in applicable conditions from the Project's Section 404 Permit No. 199910085. A summary of the requirements of the applicable conditions is provided below:

Permit Condition #53 – Requires that MUD provide an annual "Groundwater Monitoring Report", which shall include at a minimum: groundwater modeling results, water table elevations, stream gaging data, and any chemical data collected by MUD as set forth in Conditions 62a through 62e.

Permit Condition #61e – Requires that MUD submit a "Nebraska Ordnance Plant Groundwater Report" on an annual basis, which shall include at a minimum a presentation and evaluation of data collected as required by Condition #61a through #61d. Condition 61a requires the Corps to provide and for MUD to utilize the most current "Mead Site Groundwater Baseline", and to work cooperatively with Corps and other agencies by providing data and updated modeling in event other contamination is discovered along eastern edge of the Site. Condition 61b requires MUD to coordinate with the Corps, the installation of an unspecified number of monitoring wells in the area east of the Mead Site and to conduct semi-annual sampling events. Condition 61c requires MUD to provide a baseline transient groundwater model. Condition 61d requires that MUD submit a "Nebraska Ordnance Plant Groundwater Assessment/Monitoring Plan", which shall include at a minimum: discussion of the groundwater model, location and construction plan for groundwater monitoring wells, sampling and analysis plan, and quality assurance plan to meet requirements of Permit Conditions 61b and 61c.

Permit Condition #62f – The Permit Conditions included in #62 apply after the start of wellfield operations (expected to be 2008), Condition #62f requires that MUD submit a "Nebraska Ordnance Plant Groundwater Report on an annual basis, which includes at a minimum a presentation and evaluation of all data collected as required by Conditions #62a through #62e. This reporting requirement is essentially the same as required by Condition #61e.

Appendix A to the Permit Conditions – Anticipates combining the "Groundwater Monitoring Report" with the "NOP Groundwater Report" into a single report.

As anticipated and allowed by Appendix A to the Permit Conditions, the required "Groundwater Monitoring Report" and "NOP Groundwater Report" have been combined into this single reporting document titled "2007 Annual Groundwater Monitoring Report".

Presentation and Evaluation of Required Data

Groundwater Modeling Results:

As provided in the past years, these results have been previously provided separately in the form of a Baseline Groundwater Modeling Report (Phase I), submitted in November 2004, and a Phase II Groundwater Modeling Report, submitted in November 2005. These reports are included by reference and not repeated in this report.

MUD submitted in 2006, for review and comment by CENWO and CENWK, a draft outline of future modeling reports. This submittal was not required by the permit conditions but MUD felt it was beneficial to both the Corps and MUD that the content and form of future modeling submittals be understood by all parties. The next modeling report is expected to be submitted in late 2008.

Additional Groundwater Monitoring Wells:

As discussed in 2006 Groundwater Monitoring Report, additional wells and level transducers have been installed. Monitoring Wells 06-30A & B and 06-31A & B have been constructed and level transducers installed. Level transducers have also been installed in Corps monitoring wells: MW-38, MW039, MW-46, MW-106, MW-110, and MW-112. These transducers were installed in late summer 2007,

Water Table Elevations:

Groundwater elevation data from MUD's existing monitoring well network in Douglas, Sarpy, and Saunders Counties is included in Appendix A. Also included is data from Corps wells MW-106, MW-110, MW-112, and a graph which includes data from all Corps wells with transducers installed.

The data represents the collection of baseline information related to conditions that exist prior to the start of wellfield operations. It is noted that data on some monitoring wells was lost due to battery and equipment failures.

Stream Gaging Data:

Stream gaging data, in the form of a graph, from USGS' "Station #06796550 near Venice, NE" is included in Appendix B. This information as well as other gaging station data both upstream (Leshara and North Bend) and downstream (Ashland and Louisville) are available from USGS' real-time website http://waterdata.usgs.gov/ne/nwis/current?type=flow&group_key=basin_cd&search_site_no_station_nm=

Chemical Data:

Under an agreement with MUD, ASW conducted two sampling and testing events during 2007. Each sampling event included 8 samples from wells at 4 locations. These wells include MW06-18, MW06-30, MW06-31, and MW39. The results of the first sampling event, conducted on July 30th and 31st, are presented in Appendix C. The second sampling event was conducted on December 17th and 18th, results are not expected to be available until after February 1, 2008.

End of Report