



# DuPage Water Commission

600 E. Butterfield Road, Elmhurst, IL 60126-4642  
(630)834-0100 Fax: (630)834-0120

## AGENDA

### **ENGINEERING & CONSTRUCTION COMMITTEE**

**THURSDAY, SEPTEMBER 10, 2009**

**7:00 P.M.**

**600 EAST BUTTERFIELD ROAD  
ELMHURST, IL 60126**

## COMMITTEE MEMBERS

W. Maio, Chair

L. Hartwig

W. Mueller

A. Poole

- I. Roll Call
- II. Approval of Committee Meeting Minutes of July 9, 2009

**RECOMMENDED MOTION: To approve the Minutes of the July 9, 2009 Committee Meeting of the DuPage Water Commission.**

- III. Report of Status of Construction/Operations
- IV. Partial Pay Request

#### Quick Response Contracts

- Retrofit Inaccessible Lighting in Pump Room(QRE4-004A) Authorized by R-33-09 \$5,264.16
- Replacement of Corroded Conduits between the Pumping Station and Reservoir (QRE4-005A) Authorized by R-43-09 \$10,637.36
- Install Fiber Optic cables Between pumping Station and 72" Meter Building (QRE4-005B) Authorized by R-43-09 \$6,929.16
- Chlorination of Repaired Water Main at 75<sup>th</sup> & Washington Naperville (QR8-014B) Authorized by R-25-09 \$1,980.00

**RECOMMENDED MOTION: The Engineering Committee recommends to the Commission approval of payments in the amount of \$24,810.68 as part of the accounts payable, subject to submission of all contractually required documentation.**

- V. Resolution No. R-49-09: A Resolution Approving and Authorizing the Execution of a Second Amendment to the Contract for Document Management System Consulting Services at the September 10, 2009, DuPage Water Commission Meeting.

- **\$34,440.00 NTE Cost Increase**

All visitors must present a valid drivers license or other government-issued photo identification, sign in at the reception area and wear a visitor badge while at the DuPage Pumping Station.

**RECOMMENDED MOTION:** The Engineering Committee recommends to the Commission approval of Resolution No. R-49-09: A Resolution Approving and Authorizing the Execution of a Second Amendment to the Contract for Document Management System Consulting Services at the September 10, 2009, DuPage Water Commission Meeting.

VI. Resolution No. R-50-09: A Resolution Approving and Ratifying Certain Contract Change Orders at the September 10, 2009, DuPage Water Commission Meeting.

1. **\$204,866.50 Change Order No. 2 Contract PSC-4**
2. **92 Calendar Days Change Order No.2 Contract PSC-4**

**RECOMMENDED MOTION:** The Engineering Committee recommends to the Commission approval of Resolution No. R-50-09: A Resolution Approving Certain Change Orders at the September 10, 2009, DuPage Water Commission Meeting.

VII. Resolution No. R-51-09: A Resolution Approving a Third Amendment to Task Order No. 5 under a Master Contract with Greeley and Hanson LLC at the September 10, 2009, DuPage Water Commission Meeting.

1. **Increase of \$304,000.00 Contract PSC-4**
2. **Increase of \$83,600.00 Contract PSC-5**

**RECOMMENDED MOTION:** The Engineering Committee recommends to the Commission approval of Resolution No. R-51-09: A Resolution Approving a Second Amendment to Task Order No. 5 under a Master Contract with Greeley and Hanson LLC at the September 10, 2009, DuPage Water Commission Meeting.

VIII. Resolution No. R-52-09: Awarding a Contract for the Construction of DuPage County Meter/Pressure Adjusting Stations 9A and 9B (Contract MS-18/09) at the September 10, 2009, DuPage Water Commission Meeting.

**RECOMMENDED MOTION:** The Engineering Committee recommends to the Commission approval of Resolution No. R-52-09: A Resolution Awarding a Contract for the Construction of DuPage County Meter/Pressure Adjusting Stations 9A and 9B (Contract MS-18/09) at the September 10, 2009, DuPage Water Commission Meeting.

IX. Resolution No. R-53-09: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with AECOM USA, Inc. at the September 10, 2009 DuPage Water Commission Meeting.

- **NTE cost \$10,000.00 (Illinois American Water Company)**
- **NTE cost \$10,000.00 (City of Aurora)**

- NTE cost \$5,000.00 (City of Maywood)

**RECOMMENDED MOTION:** The Engineering Committee recommends to the Commission approval of Resolution No. R-53-09: A Resolution Approving and Ratifying Task Orders under a Master Contract with AECOM USA, Inc. at the September 10, 2009, DuPage Water Commission Meeting.

- X. Commonwealth Edison Customer Work Agreement Memorandum Dated August 12, 2009 for Emergency Generation Facility Related Distribution System Improvements at the September 10, 2009 DuPage Water Commission Meeting.

- NTE Cost \$477,000.00

**RECOMMENDED MOTION:** The Engineering Committee recommends to the Commission approval of Commonwealth Edison Customer Work Agreement Memorandum Dated August 12, 2009 for Emergency Generation Facility Related Distribution system Improvements at the September 10, 2009, DuPage Water Commission Meeting.

- XI. Nicor Customer Work Order Agreement W.O.118858/318858 for Emergency Generation Facility Related Natural Gas System Improvements

- NTE Cost \$30,000.00

**RECOMMENDED MOTION:** The Engineering Committee recommends to the Commission approval of Nicor Customer Work Order Agreement W.O.118858/318858 at the September 10, 2009, DuPage Water Commission Meeting.

- XII. Adjournment

**MINUTES OF A MEETING OF THE  
ENGINEERING & CONSTRUCTION COMMITTEE  
OF THE DUPAGE WATER COMMISSION  
HELD ON THURSDAY, JULY 9, 2009  
600 EAST BUTTERFIELD ROAD  
ELMHURST, ILLINOIS**

The meeting was called to order at 7:05 P.M.

Committee members in attendance: W. Maio, W. Mueller, A. Poole, and S. Louis Rathje *ex officio*.

Committee members absent: L. Hartwig

Also in attendance: J. Schori, E. Kazmierczak, F. Frelka, and Jenessa Nesbitt.

Commissioner Mueller moved to approve the Minutes of the May 14, 2009 Engineering Committee. Motion seconded by Commissioner Poole and passed unanimously as follows:

Aye: W. Mueller, A. Poole, and W. Maio  
Nay: None  
Absent: L. Hartwig

The Committee reviewed the memorandum regarding the Status of Operations dated July 2, 2009.

Commissioner Poole moved to recommend to the Commission approval of Resolution No. R-36-09: A Resolution Approving and Ratifying Certain Contract Change Orders at the July 9, 2009, DuPage Water Commission Meeting. Motion seconded by Commissioner Mueller and passed unanimously as follows:

Aye: W. Mueller, A. Poole, and W. Maio  
Nay: None  
Absent: L. Hartwig

Commissioner Mueller moved to recommend to the Commission approval of Resolution No. R-37-09: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-8/08 at the July 9, 2009, DuPage Water Commission Meeting. Motion seconded by Commissioner Poole and passed unanimously as follows:

Aye: W. Mueller, A. Poole, and W. Maio  
Nay: None  
Absent: L. Hartwig

## Engineering Meeting Minutes July 9, 2009

Commissioner Poole moved to recommend to the Commission approval of Resolution No. R-38-09: A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with Peters & Associates, Inc. at the July 9, 2009, DuPage Water Commission Meeting. Motion seconded by Commissioner Mueller and passed unanimously as follows:

Aye: W. Mueller, A. Poole, and W. Maio  
Nay: None  
Absent: L. Hartwig

Commissioner Mueller moved to recommend to the Commission approval of Resolution No. R-39-09: A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with Patrick Engineering, Inc. at the July 9, 2009, DuPage Water Commission Meeting. Motion seconded by Commissioner Poole and passed unanimously as follows:

Aye: W. Mueller, A. Poole, and W. Maio  
Nay: None  
Absent: L. Hartwig

Commissioner Poole moved to recommend to the Commission approval of Resolution No. R-40-09: A Resolution Approving a First Amendment to the Landscape Maintenance Services Contract between the DuPage Water Commission and Acres Enterprises, Inc at the July 9, 2009, DuPage Water Commission Meeting. Motion seconded by Commissioner Mueller and passed unanimously as follows:

Aye: W. Mueller, A. Poole, and W. Maio  
Nay: None  
Absent: L. Hartwig

Commissioner Mueller moved to recommend to the Commission approval of Resolution No. R-41-09: A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with Patrick Engineering, Inc. at the July 9, 2009, DuPage Water Commission Meeting. Motion seconded by Commissioner Poole. Commissioner Maio asked why we were amending the original Task Order. Staff informed him the original scope work did not include everything staff envisioned for the project, and additional work outside of the scope would be necessary to deliver the desired product. The motion passed unanimously as follows:

Aye: W. Mueller, A. Poole, and W. Maio  
Nay: None  
Absent: L. Hartwig

Engineering Meeting Minutes July 9, 2009

Commissioner Poole moved to adjourn the meeting at 7:15 P.M. Motion seconded by Commissioner Mueller and passed unanimously as follows:

Aye: W. Mueller, A. Poole, and W. Maio  
Nay: None  
Absent: L. Hartwig

All voted aye. Motion carried.

BOARD/MINUTES/ENG090709.doc



# DuPage Water Commission

## MEMORANDUM

TO: Robert Martin General Manager

FROM: Terry McGhee Manager of Water Operations  
Ed Kazmierczak Pipeline Supervisor  
Chris Bostick Facilities Construction Supervisor  
John Schori Instrumentation Supervisor  
Frank Frelka GIS Coordinator  
Mike Weed Operations Supervisor

DATE: September 4, 2009

SUBJECT: Status of Operations

### Operations Overview

The Commission's sales for the month of August were a total of 2.933 billion gallons. This represents an average day demand of 94.6 million gallons per day (MGD), which is lower than the August 2008 average day demand of 102.7 MGD. The maximum day demand was 122.3 MGD on August 15, 2009, which is higher than the August 2008 maximum day demand of 114.8 MGD. The minimum day flow was 74.4 MGD. The Commission's recorded total precipitation for the month of August was 4.26 inches compared to 3.73 inches for August 2008. The level of Lake Michigan for August 2009 is 578.87 (Feet IGLD 1985) compared to 578.15 (Feet IGLD 1985) for August of 2008.

### Water Conservation

The Commission received the utility rain barrels and has begun distributing them. The Commission presented the Water Conservation Program to the Village of Villa Park at one of their Council workshops. BridgePoint Technologies is working on the [www.preservingeverydrop.org](http://www.preservingeverydrop.org) web site and it is scheduled to be completed by the end of September. The Commission presented the Water Conservation program at the 1<sup>st</sup> Water Efficiencies Practices Seminar on September 2, 2009 and will also be taking part in the Cantigny Green-Fair on September 26, 2009.

### Document Management

Staff is working with the CLS Group to complete the initial document inventory that will be sent to the Secretary of State for their destruction authorization.

A resolution to direct CLS to complete the installation and implementation of the WorkShare Comparison software, Word-Tech DocMinder software, Records Management software, and provide end-user training for the above mentioned software appears on the September agenda as R-49-09. The implementation of the DMS on the servers is set up for September 11<sup>th</sup>. The week of the 14<sup>th</sup>, CLS will be on-site testing the desktops. Data Transfer is scheduled to begin at the end of September.

### Facilities Construction Overview

#### Contract PSD-6 Reservoir Addition - Division A – Equipment Storage Building and Material Storage

The masonry work is complete. Site work is nearing completion. The Contract Completion Date is September 17, 2009.

#### Contract PSD-7 DPPS Electrical Generation

Masonry work is complete. Underground utility work is ongoing. Site work, including excavation for the covered parking structure is underway. A report has been provided by the engineer for review. The project completion date remains November 25, 2010.

#### Generator Supply Contract

The generator equipment shop testing is complete. The delivery of generators to the Lexington Pumping Station is delayed due to permitting issues.

#### Contract PSC-4 Lexington Pump Station Electrical Generation / Variable Frequency Drives

Site work is ongoing. Underground utility relocation work is under way. Deep foundation work is complete and the forming and pouring of footings and foundations is underway. A report has been provided by the engineer for review. Change Order No. 2 appears on the agenda as R-50-09. This change order request addresses most of the City of Chicago Building Permit required work. Also appearing on the agenda as R-51-09 is the Third Amendment to Task Order No. 5 with Greeley and Hansen which addresses engineering cost associated with the same building permit delays and extended work necessary for the extended time necessary to complete the project. The project completion date is August 21, 2010.

#### Contract PSC-5 Lexington Photovoltaic Cells

The Contractor is installing the support structures and photovoltaic panels on the reservoir lid. A portion of the Third Amendment to Task Order No. 5 with Greeley and Hansen addresses the PSC-5 engineering cost associated with the same



building permit delays and extended work necessary for the extended time necessary to complete the project.

#### Chicago Department of Transportation (CDOT) – Laramie Avenue Viaduct

The City of Chicago has requested easements from the Commission adjacent to the Lexington Pumping Station to perform bridge improvements. Staff has met with CDOT to discuss potential engineering and construction conflicts with the requested easements and may be presenting an agreement to DWC on the October 2009 agenda.

#### Winfield Additional Connection

Winfield and ComEd continue working to resolve the MS-27A access issues.

#### Naperville Additional Connection

AECOM has revised their hydraulic study based on additional information from the City of Naperville. The report has been tendered to Naperville.

#### DuPage County Service Areas

Bids were received for Contract MS-18/09 which is the joint MS/PAS facilities for the Glen Ellyn Heights and Hobson Valley service areas. Staff is evaluating the bids received and is also waiting on the bid acceptance of DuPage County.

#### Electrical Safety for DWC Employees

The arc flash studies performed by Greeley and Hansen are being updated to meet the 2009 NFPA 70 revisions.

#### Contract VA-1

The contractor completed the installation of the valve actuators at the tank sites and plans on completing the installation at the ROV's by mid September.

#### GIS

#### Commission Web Site

Staff has overhauled the Commission's web site with a new, more colorful look with design and hosting provided by BridgePoint LLC, an Oak Brook IT firm.

#### DuPage Pumping Station As-built Drawings

Patrick Engineering is nearing completion of the HVAC drawing project with an initial review of the drawings scheduled. The next phase will be verification of measurements and equipment locations by staff throughout the pumping station.

This field-verified data will then be provided to Patrick for inclusion into the AutoCAD drawings that comprise the final project deliverable.

### Corrosion Control

Staff is awaiting cathodic protection test station data from EN Engineering. This data will be included in GIS to show the status of the Commission's pipeline cathodic protection system. Specifically, parameters have been defined to show which pipeline sections are protected, CP readings that are out of range thereby indicating potential corrosion problems, and isolation flange status, i.e., shorted or working. This will be useful for planning the design of corrosion control systems in the future.

### Pipeline Construction Overview

#### CONTRACT QR-8/08 (QUICK RESPONSE CONTRACT)

Work Authorization no.3 (Forest Park interconnect cable). Work is scheduled to begin on September 8.

#### CONTRACT VSR-1 (VALVE STEM REPLACEMENT)

Design is approximately 70% complete.

#### Contract TS-8 (South Transmission Main Corrosion Mitigation Project)

Contract is out for bid and the bid opening is scheduled for September 25.

#### Contract TS-7 (South Transmission Main Relocation)

Contract will be advertised beginning on September 9 and the bid opening is scheduled for October 7, 2009.

### **SEPTEMBER 2009 COMMISSION AGENDA ITEMS:**

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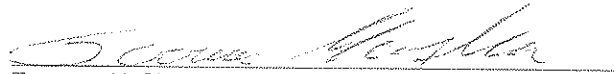
1. DuPage Laboratory Bench Sheets for August, 2009
2. Water Sales Analysis 01-May-06 to 31-August-09
3. Chart showing Commission sales versus allocations
4. Chart showing Commission sales versus historical averages

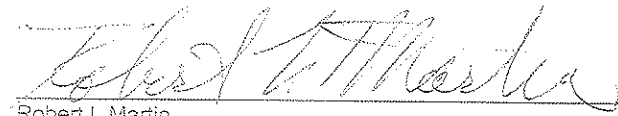
DUPAGE WATER COMMISSION LABORATORY BENCH SHEET  
MONTHLY REPORT FOR AUGUST 2009

## LEXINGTON SUPPLY

## DUPAGE DISCHARGE

DAY	FREE CL <sub>2</sub> mg/l	TURBIDITY NTU	PO <sub>4</sub> mg/l	FREE CL <sub>2</sub> mg/l	TURBIDITY NTU	TEMP °F	pH	Fluoride mg/l	PO <sub>4</sub> mg/l	P.A.C. LBS/MG	ANALYST INT
1	0.78	0.10	0.45	0.83	0.09	71	7.5	1.0	0.44	0	RC
2	0.79	0.11	0.46	0.82	0.09	69	7.5	1.0	0.44	0	RC
3	0.75	0.11	0.48	0.83	0.09	68	7.5	1.0	0.43	0	RC
4	0.78	0.11	0.49	0.83	0.10	69	7.5	1.1	0.43	0	GA
5	0.75	0.11	0.49	0.84	0.10	68	7.5	1.2	0.47	0	GA
6	0.77	0.10	0.43	0.81	0.10	68	7.5	1.2	0.46	0	GA
7	0.78	0.10	0.45	0.82	0.10	68	7.5	1.0	0.42	0	RC
8	0.77	0.10	0.45	0.83	0.11	70	7.5	1.1	0.44	0	RC
9	0.79	0.09	0.48	0.81	0.09	69	7.6	1.1	0.41	0	RC
10	0.78	0.10	0.46	0.85	0.10	68	7.5	1.0	0.41	0	RC
11	0.76	0.09	0.44	0.83	0.09	68	7.5	1.0	0.43	0	RC
12	0.78	0.09	0.49	0.82	0.10	68	7.5	1.2	0.40	0	GA
13	0.75	0.11	0.47	0.83	0.10	69	7.5	1.2	0.46	0	GA
14	0.76	0.09	0.48	0.82	0.10	68	7.4	1.2	0.48	0	GA
15	0.76	0.11	0.48	0.84	0.10	69	7.5	1.2	0.48	0	GA
16	0.74	0.10	0.49	0.85	0.10	68	7.5	1.2	0.43	0	JV
17	0.77	0.11	0.48	0.82	0.09	67	7.4	1.2	0.42	0	JV
18	0.78	0.11	0.53	0.82	0.09	68	7.5	1.2	0.41	0	JV
19	0.76	0.10	0.48	0.79	0.10	69	7.5	1.2	0.40	0	JV
20	0.76	0.10	0.44	0.81	0.09	68	7.5	1.1	0.44	0	MR
21	0.75	0.10	0.49	0.84	0.09	68	7.6	0.9	0.40	0	MR
22	0.76	0.09	0.44	0.82	0.09	68	7.5	0.9	0.40	0	MR
23	0.78	0.10	0.43	0.84	0.10	68	7.5	1.1	0.42	0	MR
24	0.79	0.11	0.50	0.85	0.10	66	7.5	1.2	0.43	0	JV
25	0.76	0.10	0.48	0.85	0.10	66	7.5	1.2	0.43	0	JV
26	0.75	0.10	0.49	0.83	0.10	65	7.4	1.2	0.46	0	JV
27	0.78	0.09	0.47	0.84	0.10	65	7.5	1.1	0.45	0	JV
28	0.75	0.10	0.48	0.85	0.09	64	7.4	1.0	0.44	0	MR
29	0.74	0.10	0.49	0.83	0.09	64	7.5	1.0	0.41	0	MR
30	0.74	0.09	0.48	0.82	0.09	64	7.5	1.0	0.42	0	MR
31	0.72	0.09	0.49	0.84	0.09	63	7.5	1.0	0.46	0	MR
AVG	0.76	0.10	0.47	0.83	0.10	67	7.5	1.1	0.43	0.00	
MAX	0.79	0.11	0.53	0.85	0.11	71	7.6	1.2	0.48	0.00	
MIN	0.72	0.09	0.43	0.79	0.09	63	7.4	0.9	0.40	0.00	

  
Terrance McGhee  
Manager of Water Operations

  
Robert L. Martin  
General Manager

DU PAGE WATER COMMISSION  
WATER SALES ANALYSIS

01-May-92

TO 08/31/2009

PER DAY AVERAGE (15,121,476)

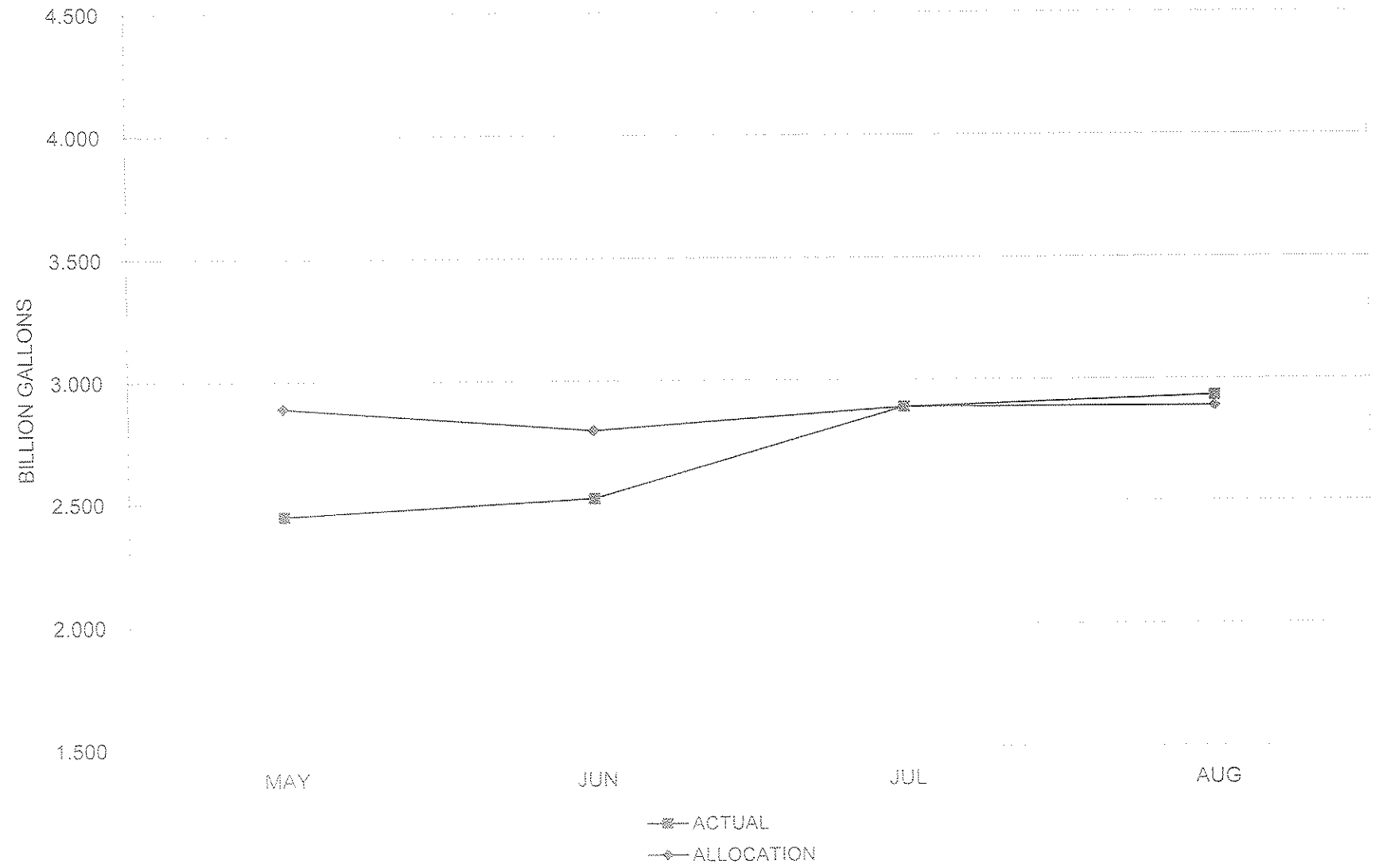
MONTH	SALES TO CUSTOMERS (GALLONS)	PURCHASES FROM CHICAGO (GALLONS)	GALLONS BILLED %	BILLINGS TO CUSTOMERS	BILLINGS FROM CHICAGO	DOCUMENTED COMMISSION WATER USE (2)	DOCUMENTED COMMISSION WATER USE %	TOTAL ACCOUNTED FOR %	DWC RATE
May-06	2,810,813,000	2,692,357,782	96.97%	\$3,237,408.12	\$3,580,835.85	5,227,307	0.19%	97.17%	\$1.24
Jun-06	2,992,447,000	3,070,487,707	97.46%	\$3,710,960.98	\$4,083,748.65	4,407,260	0.14%	97.60%	\$1.24
Jul-06	3,271,454,000	3,360,915,489	97.34%	\$4,056,602.96	\$4,470,017.60	4,330,000	0.13%	97.47%	\$1.24
Aug-06	3,182,143,000	3,278,914,023	97.05%	\$3,945,857.32	\$4,360,955.65	4,157,170	0.13%	97.18%	\$1.24
Sep-06	2,472,175,000	2,539,240,000	97.36%	\$3,065,988.70	\$3,377,189.20	4,242,692	0.17%	97.53%	\$1.24
Oct-06	2,290,903,000	2,358,823,308	97.12%	\$2,840,719.72	\$3,137,235.00	4,540,716	0.19%	97.31%	\$1.24
Nov-06	2,180,207,000	2,227,311,241	97.89%	\$2,703,456.68	\$2,962,323.95	28,850,568	1.30%	99.18%	\$1.24
Dec-06	2,226,395,000	2,288,619,699	97.28%	\$2,760,729.80	\$3,043,864.20	3,979,814	0.17%	97.46%	\$1.24
Jan-07	2,220,804,000	2,280,218,308	97.39%	\$2,753,796.96	\$3,032,690.35	3,980,439	0.17%	97.57%	\$1.24
Feb-07	2,140,510,000	2,201,007,331	97.25%	\$2,654,454.82	\$2,927,339.75	3,710,444	0.17%	97.42%	\$1.24
Mar-07	2,210,108,000	2,255,212,245	98.18%	\$2,741,312.06	\$5,293,045.95	3,891,151	0.17%	98.35%	\$1.24
Apr-07	2,161,740,000	2,251,116,429	96.92%	\$2,705,357.60	\$2,993,984.85	4,352,433	0.19%	97.11%	\$1.24
May-07	2,863,644,000	2,951,900,000	97.01%	\$2,978,988.48	\$3,926,001.00	4,012,875	0.14%	97.15%	\$1.04
Jun-07	3,292,831,000	3,396,024,774	96.96%	\$3,424,545.52	\$4,516,712.95	4,468,064	0.13%	97.09%	\$1.04
Jul-07	3,314,840,000	3,412,423,571	97.14%	\$3,447,433.60	\$4,538,523.35	4,456,650	0.13%	97.27%	\$1.04
Aug-07	2,883,008,000	2,966,379,286	97.19%	\$2,998,328.32	\$3,945,284.45	4,172,900	0.14%	97.33%	\$1.04
Sep-07	2,951,692,000	3,051,590,188	96.73%	\$3,070,294.72	\$4,058,614.95	3,977,217	0.13%	96.86%	\$1.04
Oct-07	2,512,609,400	2,578,045,000	97.46%	\$2,614,883.38	\$3,428,799.85	9,585,389	0.37%	97.83%	\$1.04
Nov-07	2,143,753,000	2,205,810,263	97.19%	\$2,230,952.72	\$2,933,727.65	10,390,297	0.47%	97.66%	\$1.04
Dec-07	2,228,281,000	2,292,016,165	97.22%	\$2,317,412.24	\$3,048,381.50	2,174,944	0.09%	97.31%	\$1.04
Jan-08	2,262,958,000	2,324,208,591	97.37%	\$2,353,486.72	\$3,554,877.04	2,134,597	0.09%	97.46%	\$1.04
Feb-08	2,145,137,000	2,197,527,140	97.62%	\$2,232,195.60	\$3,361,117.76	2,074,217	0.09%	97.71%	\$1.04
Mar-08	2,239,073,000	2,295,015,835	97.56%	\$2,328,635.92	\$3,510,226.72	2,041,001	0.09%	97.65%	\$1.04
Apr-08	2,177,771,000	2,244,319,320	97.03%	\$2,266,101.68	\$3,432,686.40	8,144,629	0.36%	97.40%	\$1.04
May-08	2,474,831,000	2,566,584,008	96.43%	\$2,573,824.24	\$3,925,590.24	4,884,294	0.19%	96.62%	\$1.04
Jun-08	2,604,318,000	2,677,371,376	97.27%	\$2,709,084.64	\$4,095,039.52	1,984,000	0.07%	97.34%	\$1.04
Jul-08	3,152,495,000	3,254,898,777	96.85%	\$3,278,594.80	\$4,978,367.68	2,131,900	0.07%	96.92%	\$1.04
Aug-08	3,184,859,000	3,279,095,181	97.85%	\$3,312,253.36	\$5,015,376.08	2,353,100	0.07%	97.92%	\$1.04
Sep-08	2,552,623,000	2,619,576,751	97.44%	\$2,655,066.48	\$4,006,642.64	2,109,972	0.06%	97.52%	\$1.04
Oct-08	2,302,750,000	2,362,503,982	97.47%	\$2,855,410.00	\$3,613,449.84	7,923,498	0.34%	97.81%	\$1.24
Nov-08	2,098,015,000	2,165,230,363	96.80%	\$2,599,238.12	\$3,311,719.84	2,220,353	0.10%	96.91%	\$1.24
Dec-08	2,258,850,000	2,320,311,736	97.26%	\$2,798,494.00	\$3,548,916.80	2,283,006	0.10%	97.36%	\$1.24
Jan-09	2,293,548,000	2,349,026,333	97.64%	\$2,843,999.52	\$4,131,937.32	2,163,839	0.09%	97.73%	\$1.24
Feb-09	2,048,827,000	2,102,586,263	97.44%	\$2,540,545.48	\$3,696,346.65	1,967,373	0.09%	97.54%	\$1.24
Mar-09	2,141,079,000	2,198,279,067	97.40%	\$2,655,454.08	\$3,864,574.60	5,652,898	0.26%	97.66%	\$1.24
Apr-09	2,090,046,000	2,146,681,399	97.36%	\$2,591,657.04	\$3,773,865.90	2,265,801	0.11%	97.47%	\$1.24
May-09	2,446,586,000	2,522,765,415	96.98%	\$3,620,947.28	\$4,435,021.60	2,189,800	0.09%	97.07%	\$1.48
Jun-09	2,517,674,000	2,587,363,481	97.31%	\$3,726,157.52	\$4,548,585.00	2,202,450	0.09%	97.39%	\$1.48
Jul-09	2,886,490,000	2,971,742,918	97.20%	\$4,274,978.52	\$5,224,324.05	2,030,397	0.07%	97.27%	\$1.48
Aug-09	2,931,183,000	3,010,833,874	97.35%	\$4,338,150.84	\$5,293,045.95	7,554,834	0.25%	97.61%	\$1.48
TOTALS (1)	\$69,971,760,460	\$24,949,912,365	97.15%	\$663,832,510.15	\$612,840,404.23	\$37,227,425	0.10%	97.25%	

(1) - SINCE MAY 1, 1992

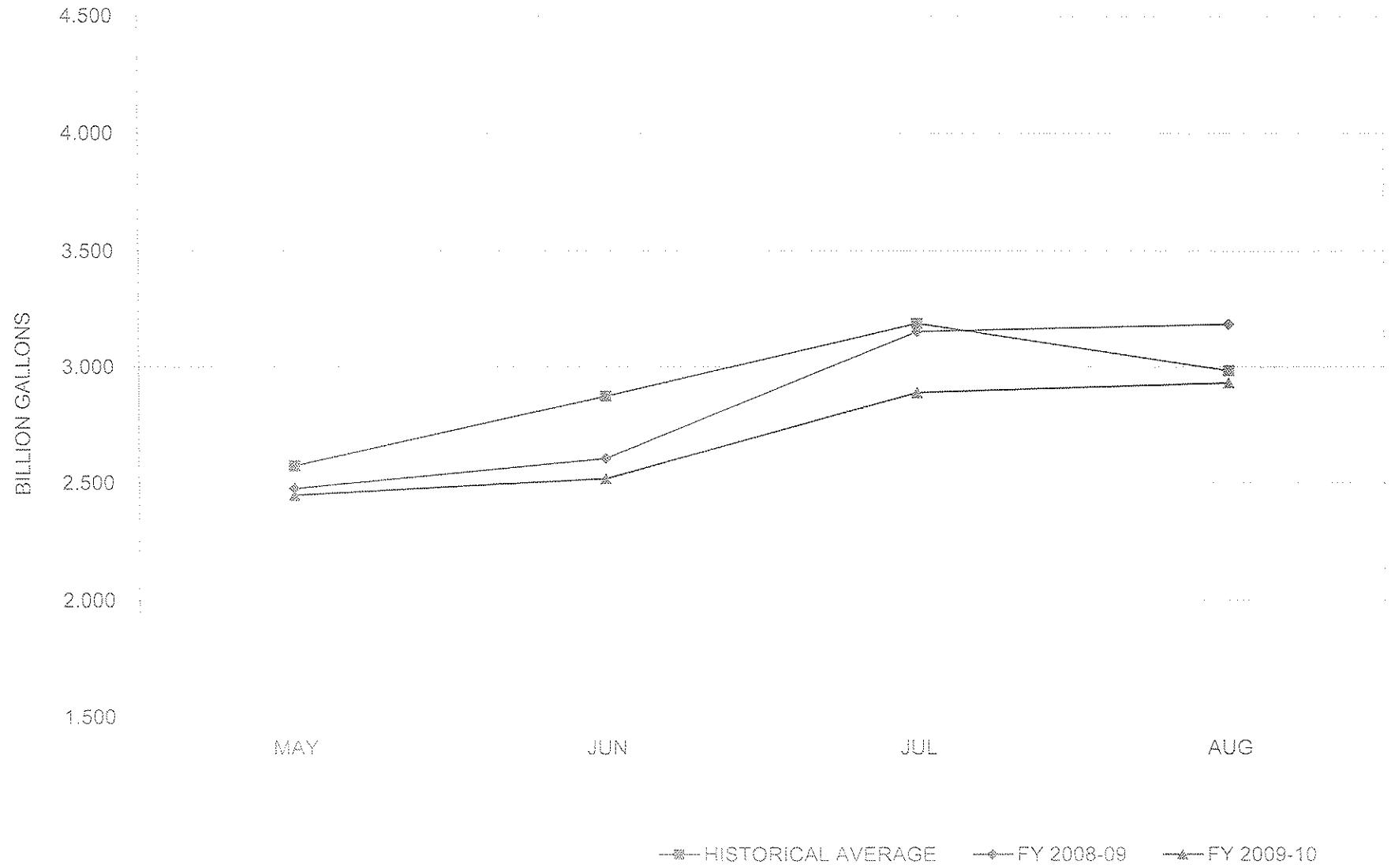
(2) - RL REPRESENTS DU PAGE PUMP STATION, METER TESTING AND CONSTRUCTION PROJECT USAGE

Operations\Spreadsheets\H2O SALES.xls

# DU PAGE WATER COMMISSION SALES FY 2009-10 VS. ALLOCATION



DU PAGE WATER COMMISSION SALES  
FY 2009-10 & FY 2008-09 VS. HISTORICAL AVERAGE





**DuPage Water Commission**

**PSC-04/08**

# **Lexington Pumping Station**

Division A – Generator Facility

Division B – Variable Frequency Drives

## **Progress Report #6**

**July & August 2009**

Prepared by:

Eric Darlinger / MAI



**GREELEY AND HANSEN**



**McDonough Associates Inc.**  
**Engineers/Architects**

September 4, 2009



## Progress Report – July & August 2009

The following is a brief report of the progress achieved on the PSC-04/08 project at the Lexington Pumping Station for the months of July & August 2009.

### I. Summary of Work Performed and Project Status

The City of Chicago Department of Buildings issued permit approval on July 14<sup>th</sup>, for the Lexington Pumping Station projects. During the first week of work on the north side of the reservoir the Contractor was able to complete all the preparatory tasks such as installing the temporary fence, temporary utilities, and erosion prevention as well as beginning some of the demolition of the existing drive. By the end of the month the existing Lexington access drive, lighting utilities, and storm sewer were substantially removed, and excavation for the new gas main was nearing completion.

During the month of August the new gas main was installed, backfilled, and the abandoned portion of the existing main was substantially removed. Several other tasks scheduled for September or later were accelerated including rough excavation and cut-off wall for the Generator building, caisson and north foundation footing construction for both buildings, electrical duct bank construction from the Pumping Station to the ComEd building, and by the end of the month the beginning of the water main installation. Photographs of July and August's progress can be found at the end of this report.

### II. Project Progress

To be discussed further in the pending items section, recommendations for time extension of the Generator Housing Work completion date and the Contract Completion Date have been negotiated by the Contractor and Engineer. A revised schedule reflecting these extensions has been submitted pending Board approval of the recommended change order.

- |                              |   |
|------------------------------|---|
| • Contract Commencement Date | July 21, 2008                                     |
| • Contract Duration          | 730 calendar days                                 |
| ○ Days Expended              | 409   |
| ○ Percent Time Complete      | 56%   |
| • Approved Time Extension    | 100 days (Generator Delivery Period <u>only</u> ) |
| • Final Completion Date      | July 21, 2010                                     |

### III. Planned Work – September 2009

Throughout the month of September work will focus on the relocation of underground utilities. The water main and portions of the sanitary sewer relocations will be first priority. Construction of the new buildings will continue to be accelerated when possible including construction of the north foundation walls and grade beams.



## Progress Report – July & August 2009

### IV. Construction Costs and Progress Payments

The Third payment request was processed in August, and is reflected in the summary of progress payments.

• Original Contract Price	\$ 17,209,000.00
• Approved Change Orders	\$ 28,331.37
• Approved Change Order Percentage	0.2%
• Revised Contract Price	\$ 17,237,331.37
• Completed to Date	\$ 1,713,043.62
• Percent Completed to Date	9.9%

### V. Pending Action Items and Project Issues

#### A. *Change Order and Time Extension Request*

As mentioned earlier, proposed Change Order No. 2 has been negotiated and prepared for presentation during the Commission's September Board meeting. Included in the change order are the negotiated requests for time extension of the Generator Housing Work milestone of October 8, 2009 (Change Order No. 1) for 88 days to January 4, 2010 and the Contract Completion Date of July 21, 2010 for 92 days to October 21, 2010. In addition, the change order includes JJH's requests for revisions of the contract price in the amounts of (and associated reason):

- |                 |   |
|-----------------|---|
| 1. \$9,323.67   | -Exploratory excavation for the CTA tunnel adjacent to the Lexington Pump Station property                                |
| 2. \$142,084.30 | -Generator and Generator Electrical Buildings foundation modifications in accordance with changed permitting requirements |
| 3. \$71,432.79  | -Reconfiguration of the fuel oil underground storage tanks in accordance with changed permitting requirements             |
| 4. \$42,500.75  | -Reconfiguration of electrical duct banks for the fuel oil storage tanks  |

Finally, the change order also includes a net credit of -\$60,475.00 for modification of sheet piling cut-off walls to concrete for both the Generator and Generator Electrical Buildings. This item appears on the Commission's September meeting agenda as R-50-09.



## Progress Report – July & August 2009

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### North Access Road Demolition





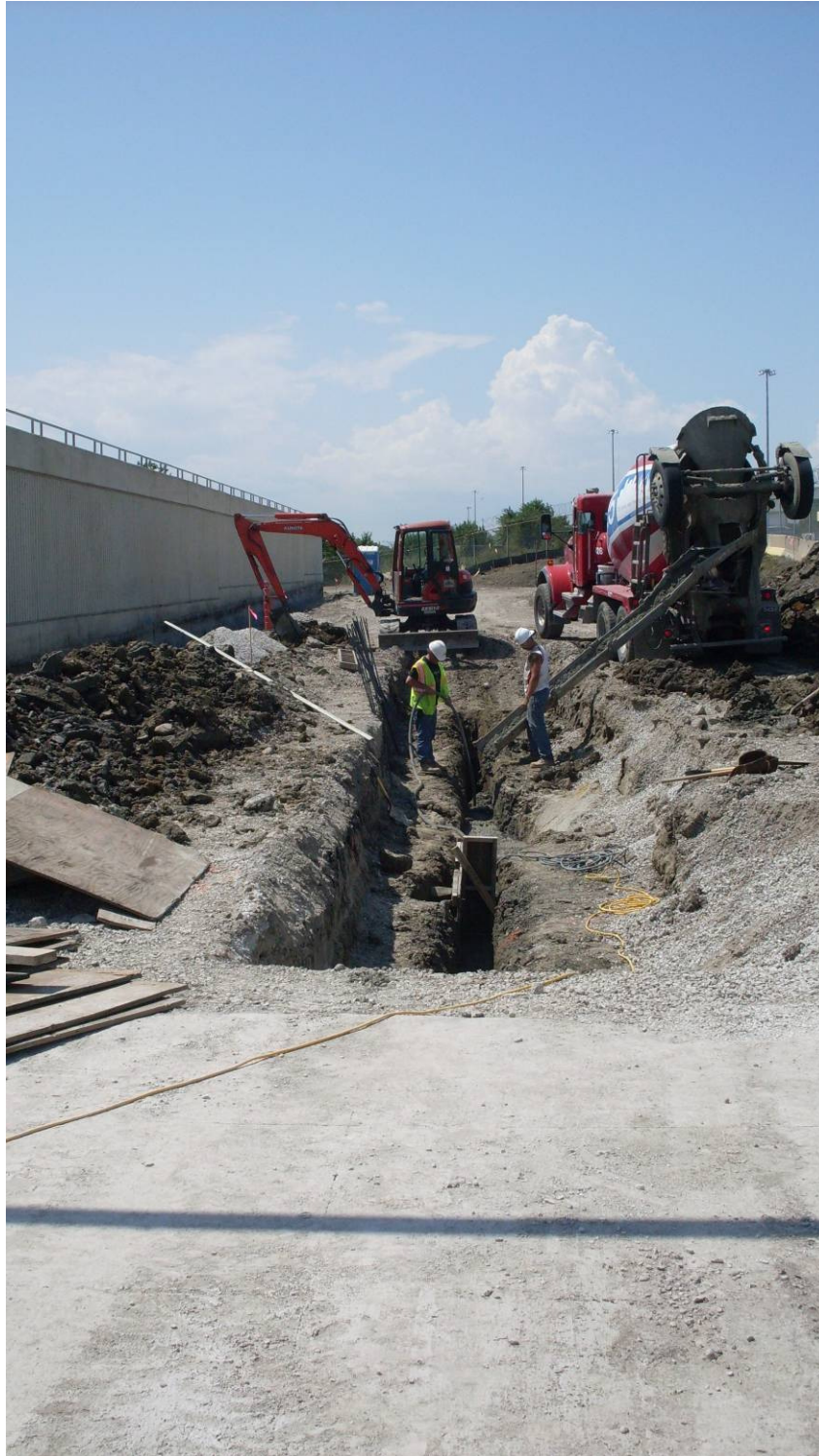
## Progress Report – July & August 2009

New Gas Main Tie Point Prior to Final Connection



## Progress Report – July & August 2009

### Generator Building Cut-off Wall Installation





## Progress Report – July & August 2009

### Generator Building North Foundation Footing





**DuPage Water Commission**

**PSC-05/08**

**Lexington Pumping Station**

**PHOTOVOLTAIC SYSTEM**

**Progress Report #1**

**July & August 2009**

Prepared by:

Eric Darlinger / MAI



**GREELEY AND HANSEN**



**McDonough Associates Inc.**  
**Engineers/Architects**

September 4, 2009

## Progress Report – July & August 2009

The following is a brief report of the progress achieved on the PSC-05/08 project at the Lexington Pumping Station for the months of July & August 2009.

### I. Summary of Work Performed and Project Status

The City of Chicago Department of Buildings issued permit approval on July 14<sup>th</sup>, for the Lexington Pumping Station projects. Although the work started two months behind schedule because of the permitting delays, the PSC-05/08 project and Divane Bros. Electric has had the good fortune of relatively dry weather for the beginning of the work on the reservoir. Construction for this project started with the installation of the ramp for access to the top of the reservoir and following installation of erosion control measures and survey layout, the top soil removal for the area covered by the PV system commenced. Given the relatively small equipment allowed on the reservoir, work is methodical, but by the end of August the system area was cleared, the majority of the steel edging around the area was installed, and placement of the precast concrete plank (PCP) supports for the PV racks was nearing 50% completion. As the PCP's are placed the inter-panel conduit and stone backfill have to be installed as well. Finally, installation of the racks and PV panels is following behind the PCP placement. Photographs of July and August's progress can be found at the end of this report.

### II. Project Progress

- Contract Commencement Date                      July 21, 2008
- Contract Duration                                      730 calendar days
  - Days Expended                                      409
  - Percent Time Complete                              56%
- Approved Time Extension                              0 days
- Final Completion Date                                      July 21, 2010

### III. Planned Work – September 2009

Throughout the month of September work will continue to focus on the installation of the PV system on top of the reservoir.

### IV. Construction Costs and Progress Payments

Change Order #1 for the PSC-05/08 project was executed in August and was the result of grant money received by the City of Chicago from the Illinois Department of Commerce and Economic Opportunity. The Change Order expanded the PV system from 700 kW to 724 kW and increased the Contract Price by \$250,000. The first payment request for the submittal milestone was being processed at the end of August, and is reflected in the summary of progress payments along with Change Order #1.

- Original Contract Price                                      \$ 7,996,000.00
- Approved Change Orders                                      \$ 250,000.00
- Approved Change Order Percentage                                      3.1%
- Revised Contract Price                                      \$ 8,246,000.00
- Completed to Date                                      \$ 799,600.00
- Percent Completed to Date                                      9.7%





## Progress Report – July & August 2009

### V. Pending Action Items and Project Issues

#### A. *Permitting Delay*

Divane Bros. Electric has submitted a notice of delay as a result of the permitting delays on the project. The contractor has indicated that they are evaluating the impacts of the delay but to date has not submitted a request for change related to this delay.



## Progress Report – July & August 2009

### Top Soil Removal On Top of Reservoir



### Early Placement of Precast Concrete Planks





## Progress Report – July & August 2009

### Early PV Rack Installation



### Early Panel Installation



# **Electric Generation Facility & Office/Garage Expansion**



## **DuPage Water Commission**

**600 E. Butterfield Road**

**Elmhurst IL 60126**

**PSD 7/08**

**Monthly Progress Report #8**

**August 2009**





September 1, 2009

Mr. Chris Bostick  
Facilities Construction Supervisor/Safety Coordinator  
DuPage Water Commission  
600 East Butterfield Rd.  
Elmhurst, IL 60126

*Subject:* DuPage Water Commission  
Electrical Generation Facility and Office/Garage Expansion  
Monthly Construction Progress Report No. 8

Dear Mr. Bostick:

We herewith submit our Progress Report No. 8 for the construction of the Electrical Generation Facility and Office/Garage Expansion for the DuPage Pumping Station covering the one month period from August 1, 2009 through August 31, 2009.

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

The Electrical Generation Facility and Office/Garage Expansion for the DuPage Pumping Station project consist of the renovation and expansion of the Existing Service Building in both the North and South directions. The North expansion is to create office space, the South expansion is to house four Standby 2500 kW Diesel Engine-Generators and the existing portion is to be the Electrical Room. Due to the conversion of the Existing Service Building a new Garage is to be built. Also, the existing Upper Parking Lot is to be relocated to the Northwest area of the site to allow for the installation of a covered parking structure. The project includes site piping, grading and pavement to accommodate the changes.

In the past month, Williams Brothers Construction, Inc. (WBCI) has installed forms, rebar, concrete and brick for the western portion of the retaining wall located in the new visitors parking area and the fence piers. WBCI installed the base and final layers of asphalt for the path around the south side of the Administration Building as well as the base layer for the Cadwell entrance. The existing planter, retaining wall and footing were demolished and the excavated dirt and concrete was hauled offsite. Masonry work

continued with the installation of structural glazed tile in the locker rooms of the Office Building. Also, insulated metal panels and masonry work on the garage were completed, along with the necessary in-wall plumbing and electrical piping. Installation of the fuel piping in the fuel trench and Day Tank Area began in the Generator and Existing Service Buildings. WBCI continued installing plumbing pipe in the Garage, Office, Generator and Existing Service Buildings. Under slab electrical conduit installation continued in the Existing Service Building and WBCI installed and began insulating the silencers for the generators. The Existing Service Building roof installation has begun. Finally, WBCI finished installing the ductbanks from the ComEd Yard to the Existing Service Building and began installing the ductbanks from the Northwest corner of the Administration Building to the Existing Service Building.

2. *Scheduled Upcoming Work/September, 2009*

In the next month, Williams Brothers Construction, Inc. plans to continue the masonry work on the new retaining wall and finish the masonry in the Office Building. Additionally, they plan to install the windows in the Generator Building and the store front windows in the Office Buildings. They plan to continue the plumbing and electrical work in the Office, Generator, & Existing Service Buildings and continue the insulation of the silencers for the generators. WBCI will also complete the membrane roof on the Existing Service Building. The louvers for the Generator Building will be delivered and installed. WBCI will continue excavating for the covered parking structure and removing the existing retaining wall. Finally, the ductbank work will continue throughout the site.

3. *Project Schedule*

The August 2009 Construction Schedule update indicates the project's final completion date remains on schedule.

*Contract No. PSD-7/08*

▪ Contract Execution Date	November 25, 2008
▪ Contract Duration (final Completion)	730 calendar days
▪ Time Expended	280 days
▪ Percent Time Complete	38.36%
▪ Approved Time Extensions	0 days
▪ Final Completion Date	November 24, 2010

Mr. C. Bostick  
September 1, 2009  
Page 3

**4.      *Construction Costs and Progress Payments***

Applications for Progress Payments have been submitted each month by Williams Brothers Construction, Inc. to commensurate with the work performed. The following is a summary of progress payments.

*Contract No. PSD-7/08*

▪ Original Contract Price	\$16,970,000.00
▪ Approved Change Orders	\$ 161,764.00
▪ Approved Change Order Percentage	0.95%
▪ Revised Contract Price	\$17,131,764.00
▪ Total Completed To Date	\$ 5,761,817.77
▪ Percent Completed To Date	33.63 %

**5.      *Pending Action Items and Issues***

- There are a few small Potential Change Orders pending for relatively minor changes.

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

Very truly yours,

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

cc: David D. Tucker

Mr. C. Bostick  
September 1, 2009  
Page 4



Office and Existing Service Building Roofs



New Garage Construction Progress



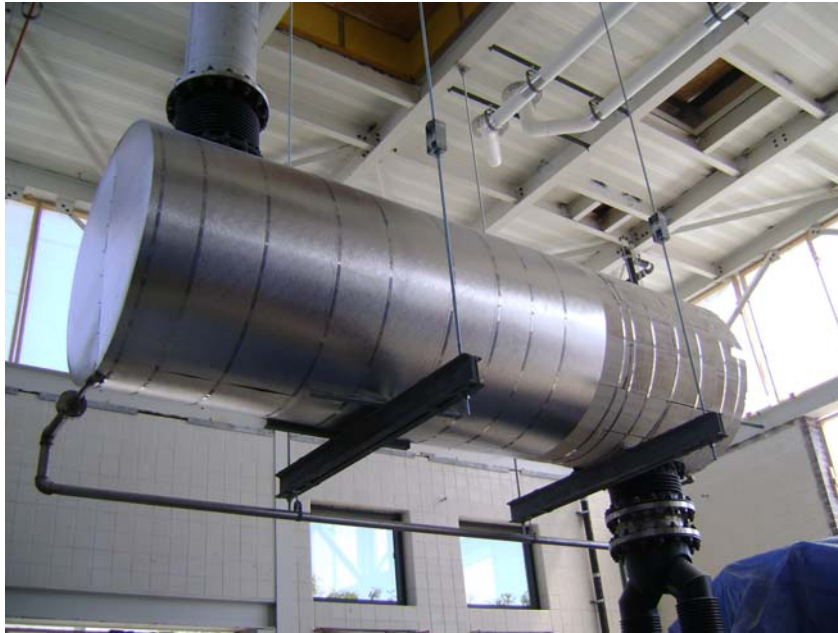


Demolition of Existing Retaining Wall



Excavation of Upper Parking Lot Progress

Mr. C. Bostick  
September 1, 2009  
Page 6



Installation of Silencers for Generators

Pavement on the South  
side of Admin. Bldng.

