



DuPage Water Commission

600 E. Butterfield Road, Elmhurst, IL 60126-4642

(630)834-0100 Fax: (630)834-0120

CELEBRATING 15 YEARS OF WATER SERVICE

AGENDA

ENGINEERING & CONSTRUCTION COMMITTEE

THURSDAY, JULY 12, 2007

7:00P.M.

COMMITTEE MEMBERS

G. Wilcox, Chair

W. Maio

W. Mueller

600 EAST BUTTERFIELD ROAD

ELMHURST, IL 60126

I. Roll Call

II. Approval of Committee Meeting Minutes of June 14, 2007

RECOMMENDED MOTION: To approve the Minutes of the June 14, 2007 Committee Meeting of the DuPage Water Commission (Voice Vote).

III. Report of Status of Construction/Operations

IV. Resolution No. R-45-07: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-7/05 at the July 12, 2007, DuPage Water Commission Meeting

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-45-07: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-7/05 at the July 12, 2007, DuPage Water Commission Meeting.

V. Resolution No. R-46-07: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Consoer Townsend Envirodyne Engineers, Inc. at the July 12, 2007, DuPage Water Commission Meeting

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-46-07: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Consoer Townsend Envirodyne Engineers, Inc. at the July 12, 2007, DuPage Water Commission Meeting.

VI. Resolution No. R-48-07: A Resolution Approving and Authorizing the Execution of a Fourth Amendment to the Contract for Evaluation, Design, and Bidding of Electrical Generation Supply Facilities at the DuPage Pump Station

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-48-07: A Resolution Approving and Authorizing the Execution of a Fourth Amendment to the Contract for Evaluation, Design,

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.

and Bidding of Electrical Generation Supply Facilities at the DuPage Pump Station.

VII. Adjournment

Board/Agendas/Engineering/Eng0707.doc

**MINUTES OF A MEETING OF THE
ENGINEERING & CONSTRUCTION COMMITTEE
OF THE DuPAGE WATER COMMISSION
HELD ON THURSDAY, JUNE 14, 2007
600 EAST BUTTERFIELD ROAD
ELMHURST, ILLINOIS**

The meeting was called to order at 7:07 P.M.

Committee members in attendance: R. Ferraro, W. Maio, and W. Mueller

Committee members absent: G. Wilcox

Also in attendance: T. McGhee, E. Kazmierczak, R.C. Bostick, and F. Frelka.

Commissioner Ferraro moved to approve the Minutes of the May 10, 2007 Engineering Committee. Motion seconded by Commissioner Maio and passed unanimously as follows:

Aye: R. Ferraro, W. Maio, and W. Mueller
Nay: None
Absent: G. Wilcox

Commissioner Maio moved to recommend to the Commission to release the July 17, 2003 and March 20, 2006 Engineering Committee Executive Session Minutes at the June 14, 2007 DuPage Water Commission Meeting. Motion seconded by Commissioner Ferraro and passed unanimously as follows:

Aye: R. Ferraro, W. Maio, and W. Mueller
Nay: None
Absent: G. Wilcox

The Committee reviewed the memorandum regarding the Status of Operations dated June 8, 2007.

Commissioner Ferraro moved to recommend to the Commission approval of progress payment in the total amount of \$63,200.68 as part of the accounts payable, subject to submission of all contractually required documentation at the June 14, 2007 DuPage Water Commission Meeting. Motion seconded by Commissioner Maio and passed unanimously as follows:

Aye: R. Ferraro, W. Maio, and W. Mueller
Nay: None
Absent: G. Wilcox

Engineering Meeting Minutes June 14, 2007

Commissioner Maio moved to recommend to the Commission approval of Resolution No. R-36-07: A Resolution Approving and Ratifying Certain Work Authorization Orders under Quick Response Contract QR-7/05 at the June 14, 2007, DuPage Water Commission Meeting. Motion seconded by Commissioner Ferraro and passed unanimously as follows:

Aye: R. Ferraro, W. Maio, and W. Mueller
Nay: None
Absent: G. Wilcox

Commissioner Ferraro moved to recommend to the Commission approval of Resolution No. R-38-07: A Resolution Approving and Authorizing the Execution of a Third Amendment to the Contract for Design of Concrete Reservoirs and Other Improvements at the DuPage Pump Station at the June 14, 2007, DuPage Water Commission Meeting. Motion seconded by Commissioner Maio and passed unanimously as follows:

Aye: R. Ferraro, W. Maio, and W. Mueller
Nay: None
Absent: G. Wilcox

Commissioner Maio moved to recommend to the Commission approval of Resolution No. R-40-07: A Resolution Approving a First Amendment to Task Order No. 2 under a Master Contract with EN Engineering, LLC. at the June 14, 2007, DuPage Water Commission Meeting. Motion seconded by Commissioner Ferraro and passed unanimously as follows:

Aye: R. Ferraro, W. Maio, and W. Mueller
Nay: None
Absent: G. Wilcox

Commissioner Maio moved to recommend to the Commission approval of Resolution No. R-41-07: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Patrick Engineering, Inc. at the June 14, 2007, DuPage Water Commission Meeting. Motion seconded by Commissioner Ferraro and passed unanimously as follows:

Aye: R. Ferraro, W. Maio, and W. Mueller
Nay: None
Absent: G. Wilcox

Engineering Meeting Minutes June 14, 2007

Commissioner Maio moved to recommend to the Commission approval of Resolution No. R-42-07: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with EN Engineering, LLC at the June 14, 2007, DuPage Water Commission Meeting. Motion seconded by Commissioner Ferraro and passed unanimously as follows:

Aye: R. Ferraro, W. Maio, and W. Mueller
Nay: None
Absent: G. Wilcox

Commissioner Ferraro moved to recommend to the Commission approval of Resolution No. R-44-07: A Resolution Approving and Ratifying Certain Task Orders Under a Master Contract with Westin Engineering, Inc. at the June 14, 2007, DuPage Water Commission Meeting. Motion seconded by Commissioner Maio and passed unanimously as follows:

Aye: R. Ferraro, W. Maio, and W. Mueller
Nay: None
Absent: G. Wilcox

Commissioner Mueller inquired as to the status of the construction project along Route 83. Staff informed him that the project was completed and the contract was closed out.

Commissioner Ferraro moved to adjourn the meeting at 7:20 P.M. Motion seconded by Commissioner Maio and unanimously approved by a Voice Vote.


All voted aye. Motion carried.



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

DATE: July 6, 2007

SUBJECT: Status of Operations

Operations Overview

The Commission's sales for the month of June were a total of 3.296 billion gallons. This represents an average day demand of 109.9 million gallons per day (MGD), which is higher than the June 2006 average day demand of 99.8 MGD. The maximum day demand was 141.1 MGD on June 16, 2007, which is higher than the June 2006 maximum day demand of 120.4 MGD. The minimum day flow was 85.3 MGD. The Commission recorded a total precipitation for the month of June of 2.03 inches compared to 3.4 inches for June 2006. The level of Lake Michigan for June 2007 is 577.7 (Feet IGLD 1985) compared to 577.9 (Feet IGLD 1985) for June of 2006.

Operations Construction Overview

Contract PSD-6 Reservoir Addition - Division B – Cadwell Avenue Re-Alignment:

The contract was awarded to Accu-Paving of Broadview, IL. The contractor is assembling insurance and submittal documents. The pre-construction meeting was held on July 2nd. The completion date is November 15, 2007.

Contract PSD-7 DPPS Electrical Generation

The generator facility design is underway, with 100% design expected in January 2008. The generator procurement for both the DuPage and Lexington Pumping Stations should be out for bids shortly.

We have been experiencing electrical design delays due to ComEd not assigning a project manager for the utility related work. Other design disciplines remain on track.

Some exploratory excavation has been completed over the existing thrust blocks on the 90" supply and 72" discharge mains to determine if they'll impact design and construction of the generator facilities.

The 4th amendment to the CDM engineering agreement appears on the agenda as R-48-07. This will allow for a study of LEED certification, site security and space needs for potential additions to the design work.

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

The Facility design is underway, with 100% design expected in January 2008. Leadership in Energy and Environment Design (LEED) Certification is underway. The generator procurement for both the DuPage and Lexington Pumping Stations should be out for bids shortly.

Contract SS-5/07 Hydrodynamic Mixing System at Tank Site 4 East

The contract was awarded to Horizon Bros. Painting Corporation. The Contractor is submitting insurance, and other required documentation before commencing the work. The completion date is September 29, 2007.

Access Driveway at Tank Site #1 Roselle

The Intergovernmental Agreement with Roselle for the driveway has been executed and the work will be completed this summer.

Instrumentation & Remote Facilities

Contract QRE-3

Divane Bros. Electric completed the relocating of ROV cabinet 15 B at the intersection of Naperville and Warren Roads.

GIS

GPS Data Collection

GPS data collection continues with the effort aimed at correctly positioning the meter stations in the GIS map.

Pipeline Linear Referencing System Modification

This project is tentatively scheduled for completion the week of July 9. The project will result in the elimination of a redundant data layer and installation of re-scanned engineering drawings on the GIS web site.

Datastream 7i GIS Integration

The GIS/Datastream 7i integration is scheduled as part of phase 3 of the Datastream 7i implementation. Preliminary work includes developing features in the GIS map to correspond with maintenance and material records in Datastream 7i.

GIS Data Layers

There is a new meter station data layer that will serve as terminal points in the GIS pipeline network. The ongoing GPS data collection effort is aimed at correctly positioning the meter stations in the GIS map.

Pipeline Construction Overview

CONTRACT VSR-1/06 VALVE STEM REPLACEMENT

Contract is in the preliminary design phase. Two full size prototypes of the proposed installations have been installed in separate manholes.

CONTRACT QR-7

R-45-07 appears on the agenda as a request to authorize certain QR-7 Work Authorizations including:

Work Authorization No.11. For exploratory excavation in connection with the design of certain improvements associated with the construction of emergency generation facilities at the DuPage Pump Station.

Work Authorization No.12. For manhole frame and lid repairs on Cass Ave. in the City of Darien.

Work Authorization No.13. For work in connection with an exploratory excavation to investigate the source of a leak on Naperville Road approximately 500 feet north of Warrenville Road.

CONTRACT TW-4 AC CURRENT MITIGATION

A Resolution Awarding a Contract for the Mitigation of the AC Electrical Interference on West Transmission Main (Contract TW-4/07) was approved under R-37-07 at the June commission meeting. The preconstruction meeting

was held on June 19, and the Contract Closing was held on July 2. Work is expected to begin within the next several weeks.

The following are attachments to this memorandum:

1. DuPage Laboratory Bench Sheets for June, 2007
2. Water Sales Analysis 01-June-03 to 31-June-07


Operations\Memorandums\Status of Operations 070706.doc

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET
MONTHLY REPORT FOR JUNE 2007

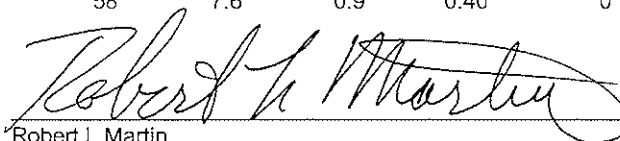
LEXINGTON SUPPLY

DUPAGE DISCHARGE

DAY	FREE CL ₂ mg/l	TURBIDITY NTU	PO ₄ mg/l	FREE CL ₂ mg/l	TURBIDITY NTU	TEMP °F	pH	Fluoride	PO ₄ mg/l	P.A.C. LBS/MG	ANALYST INT
1	0.76	0.07	0.48	0.75	0.08	58	7.7	1.0	0.42	0	KD
2	0.73	0.08	0.44	0.72	0.07	58	7.7	1.0	0.42	0	KD
3	0.75	0.07	0.47	0.74	0.08	60	7.7	0.9	0.47	0	KD
4	0.74	0.10	0.47	0.73	0.07	60	7.7	0.9	0.41	0	GA
5	0.73	0.09	0.47	0.72	0.07	58	7.7	0.9	0.40	0	GA
6	0.74	0.09	0.47	0.72	0.06	58	7.7	0.9	0.40	0	GA
7	0.73	0.08	0.48	0.74	0.08	60	7.7	1.0	0.41	0	GA
8	0.77	0.07	0.42	0.75	0.08	61	7.7	1.0	0.40	0	JU
9	0.78	0.08	0.42	0.72	0.07	62	7.7	1.0	0.43	0	KD
10	0.70	0.07	0.48	0.72	0.08	62	7.7	1.0	0.45	0	KD
11	0.72	0.07	0.46	0.72	0.06	64	7.7	1.0	0.42	0	KD
12	0.73	0.09	0.45	0.73	0.07	63	7.6	0.9	0.42	0	GA
13	0.76	0.07	0.47	0.73	0.06	62	7.7	0.9	0.43	0	GA
14	0.73	0.08	0.47	0.71	0.07	64	7.7	1.0	0.42	0	GA
15	0.77	0.07	0.47	0.71	0.08	64	7.7	0.9	0.43	0	GA
16	0.74	0.07	0.45	0.70	0.07	64	7.7	0.9	0.44	0	KD
17	0.73	0.08	0.45	0.71	0.09	64	7.7	0.9	0.47	0	KD
18	0.77	0.08	0.45	0.72	0.07	66	7.7	0.9	0.48	0	KD
19	0.73	0.08	0.45	0.72	0.08	66	7.7	0.9	0.45	0	KD
20	0.76	0.07	0.45	0.73	0.08	66	7.6	1.0	0.43	0	GA
21	0.74	0.10	0.44	0.73	0.07	66	7.7	1.0	0.44	0	GA
22	0.76	0.08	0.45	0.73	0.07	66	7.6	1.0	0.43	0	GA
23	0.79	0.07	0.46	0.74	0.08	67	7.7	1.0	0.43	0	GA
24	0.71	0.07	0.46	0.68	0.09	64	7.7	1.0	0.43	0	JV
25	0.75	0.08	0.45	0.70	0.09	66	7.7	1.0	0.48	0	JV
26	0.74	0.10	0.48	0.72	0.08	65	7.7	1.0	0.42	0	JV
27	0.74	0.08	0.45	0.68	0.08	67	7.7	1.0	0.42	0	JV
28	0.74	0.10	0.46	0.68	0.06	68	7.7	1.0	0.42	0	CT
29	0.72	0.10	0.48	0.67	0.06	68	7.7	1.0	0.42	0	CT
30	0.72	0.09	0.45	0.73	0.08	68	7.6	1.0	0.42	0	MR
31											
AVG	0.74	0.08	0.46	0.72	0.07	64	7.7	1.0	0.43	0	
MAX	0.79	0.10	0.48	0.75	0.09	68	7.7	1.0	0.48	0	
MIN	0.70	0.07	0.42	0.67	0.06	58	7.6	0.9	0.40	0	



Terrance McGhee
Manager of Water Operations



Robert L. Martin
General Manager

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

01-May-92 TO 30-Jun-07

PER DAY AVERAGE 81,868,175

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 %
May-05	2,751,156,000	2,826,791,957	97.32%	\$3,383,921.88	\$3,669,175.96	7,991,723	0.28%	97.61%
Jun-05	3,775,195,000	3,884,927,612	97.18%	\$4,645,553.10	\$5,042,636.04	6,563,800	0.17%	97.34%
Jul-05	4,078,909,000	4,145,332,157	98.40%	\$5,017,058.07	\$5,380,641.14	6,773,400	0.16%	98.56%
Aug-05	3,498,090,000	3,609,900,000	96.90%	\$4,302,650.70	\$4,685,677.02	8,573,152	0.24%	97.14%
Sep-05	3,202,484,000	3,289,206,394	97.36%	\$3,939,055.32	\$4,269,389.90	6,689,590	0.20%	97.57%
Oct-05	2,545,686,000	2,647,388,860	96.16%	\$3,131,193.78	\$3,436,310.74	6,998,672	0.26%	96.42%
Nov-05	2,238,636,000	2,261,375,216	98.99%	\$2,753,522.28	\$2,935,265.03	5,496,962	0.24%	99.24%
Dec-05	2,362,455,000	2,422,577,673	97.52%	\$2,905,819.65	\$3,144,505.82	5,810,930	0.24%	97.76%
Jan-06	2,241,162,000	2,303,320,263	97.30%	\$2,756,629.26	\$3,063,415.95	4,323,441	0.19%	97.49%
Feb-06	2,033,220,000	2,083,799,323	97.57%	\$2,500,915.68	\$2,771,453.10	3,709,927	0.18%	97.75%
Mar-06	2,189,124,000	2,245,513,008	97.49%	\$2,693,251.86	\$2,986,532.30	5,523,343	0.25%	97.73%
Apr-06	2,288,760,000	2,342,619,023	97.70%	\$2,815,174.80	\$3,115,683.30	3,928,470	0.17%	97.87%
May-06	2,610,813,000	2,692,357,782	96.97%	\$3,237,408.12	\$3,580,835.85	5,227,307	0.19%	97.17%
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%
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%
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%
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%
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%
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%
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%
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%
Feb-07	2,140,510,000	2,201,007,331	97.25%	\$2,564,454.82	\$2,927,339.75	3,710,444	0.17%	97.42%
Mar-07	2,210,108,000	2,251,116,429	98.18%	\$2,741,312.06	\$2,993,984.85	3,891,151	0.17%	98.35%
Apr-07	2,181,740,000	2,251,116,429	96.92%	\$2,705,357.60	\$2,993,984.85	4,352,433	0.19%	97.11%
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%
Jun-07	3,292,831,000	3,396,024,774	96.96%	\$3,424,545.62	\$4,516,712.95	4,468,064	0.13%	97.09%
TOTALS (1)	453,467,821,000	466,813,570,539	97.14%	\$600,938,216.21	\$522,332,254.75	447,965,750	0.10%	97.24%

(1) - SINCE MAY 1, 1992

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

Operations\Spreadsheets\H2OSALES.xls