



DuPage Water Commission

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

NOTICE IS HEREBY GIVEN THAT THE RESCHEDULED JUNE 2005 ENGINEERING COMMITTEE MEETING OF THE DUPAGE WATER COMMISSION WILL BE HELD AT 7:15 P.M. ON TUESDAY, JUNE 7, 2005, AT ITS OFFICES LISTED BELOW. THE AGENDA FOR THE RESCHEDULED JUNE 2005 REGULAR COMMITTEE MEETING IS AS FOLLOWS:

AGENDA
ENGINEERING COMMITTEE
TUESDAY, JUNE 7, 2005
7:15 P.M.

600 EAST BUTTERFIELD ROAD
ELMHURST, IL 60126

COMMITTEE MEMBERS

G. Wilcox, Chair
R. Benson
W. Mueller
R. Ferraro

- I. Roll Call
- II. Approval of Minutes for Committee Meeting of May 12, 2005

RECOMMENDED MOTION: To approve the Minutes of the May 12, 2005 Engineering Committee meeting.

- III. Report of Status of Construction/Operations
- IV. Work Authorization Orders

- QRE-2 Work Authorization Order No. 003 (relocation of electrical service —cost unknown)

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-34-05: A Resolution Approving and Ratifying Certain Work Authorization Orders under Quick Response Contract QRE-2/04 at the June 7, 2005, DuPage Water Commission Meeting during the Super/Special Omnibus Vote Agenda.

- V. Resolution No. R-33-05: A Resolution Amending Quick Response Contract QR-6/02

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-33-05: A Resolution Amending Quick Response Contract QR-6/02.

- VI. Adjournment

Board/Agendas/Engineering/Eng0506.doc

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.

**MINUTES OF A MEETING OF THE
ENGINEERING & CONSTRUCTION COMMITTEE
OF THE DuPAGE WATER COMMISSION
HELD ON MAY 12, 2005
600 EAST BUTTERFIELD ROAD
ELMHURST, ILLINOIS**

The meeting was called to order at 7:00 P.M.

Committee members in attendance: R. Benson, W. Mueller, G. Wilcox (as of 7:05), and M. Vondra *Ex Officio*

Committee members absent: R. Ferraro

Also in attendance: T. McGhee, E. Kazmierczak, C. Bostick, and W. Green (AB&H)

The Committee reviewed the memorandum regarding the Status of Operations dated May 6, 2005.

07:05 P.M. Commissioner Wilcox entered the Committee meeting.

Commissioner Benson moved to approve the Minutes of the April 14, 2005 Engineering Committee. Motion seconded by Commissioner Mueller and passed unanimously as follows:

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

Commissioner Mueller moved to recommend to the Commission approval of Resolution No. R-26-05: A Resolution Approving and Ratifying Certain Work Authorization Orders under Quick Response Contract QRE-2/04 at the May 12, 2005, DuPage Water Commission Meeting during the Super/Special Omnibus Vote Agenda. Motion seconded by Commissioner Benson and passed unanimously as follows:

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

Minutes 05/12/05 Engineering Meeting

Commissioner Benson moved to recommend to the Commission approval of Resolution No. R-30-05: A Resolution Approving and Ratifying Certain Contract Change Orders at the May 12, 2005 DuPage Water Commission Meeting during the Super/Special Omnibus Vote Agenda. Motion seconded by Commissioner Mueller. Commissioner Benson inquired as to the Contract TIB progress of the project and staff informed him that the job was progressing as quickly as weather allows. Commissioner Wilcox asked about the completion date and staff informed him that the project would be completed in August. The Motion passed unanimously as follows:

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

Commissioner Benson moved to recommend to the Commission approval of Resolution No. R-27-05: A Resolution Directing Advertisement for Bids on a Contract for Quick Response Construction Work (Contract QR-7/05). Motion seconded by Commissioner Mueller. Chairman Vondra asked that staff include past work history to allow prospective bidders to have a better idea of what they would be bidding on, believing this would attract additional bidders. Staff informed him that the advertisement contained the dollar amount of work performed during the prior three year period. Chairman Vondra also suggested that IDOT's District 1 be used as a geographical boundary for the location of any yard storage. Commissioner Wilcox raised a question concerning the criteria used in awarding the contract or contracts. Staff informed the Commissioner that the bid or bids selected would be the ones that were most favorable to the Commission. Commissioner Wilcox requested that the bidding documents be clarified so that a clear decision can be made as to who the low bidder is before the contract or contracts are awarded. Commissioner Wilcox asked when the current contracts expire and staff informed him that the current contracts expire June 30, 2005. The Motion passed unanimously as follows:

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

Commissioner Benson moved to recommend to the Commission approval of Resolution R-28-05: A Resolution Approving, Accepting, and Ratifying the Execution of an Intergovernmental Agreement Between the DuPage Water Commission and the City of Elmhurst Regarding Contract TIB-1/03 Restoration Work. Motion seconded by Commissioner Mueller and passed unanimously as follows:

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

Minutes 05/12/05 Engineering Meeting

Commissioner Mueller moved to adjourn the meeting at 7:29 P.M. Motion seconded by Commissioner Benson and unanimously approved by voice vote.

All voted aye. Motion carried.

BOARD/MINUTES/ENG0505.doc



DuPage Water Commission

MEMORANDUM

TO: Robert Martin General Manager

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

DATE: June 3, 2005

SUBJECT: Status of Operations

Operations Overview

The Commission's sales for the month of May were a total of 2.753 billion gallons. This represents an average day demand of 88.8 million gallons per day (MGD), which is higher than the May 2004 average day demand of 84.0 MGD. The maximum day demand was 106.9 MGD on May 31, 2005, which is higher than the May 2004 maximum day demand of 91.4 MGD. The minimum day flow was 76.9 MGD. The Commission recorded a total precipitation for the month of May of 1.43 inches compared to 4.11 inches for May 2004.

Operations Construction Overview

Contract PSD-6 Reservoir Addition

Division A – Equipment and Material Storage: On hold until determination of size and type of structure (if any) to be added for Pipe Storage.

Division B – Cadwell Avenue Re-alignment: Consoer Townsend Envirodyne (CTE) is working with the City of Oak Brook gathering information regarding utilities located in Cadwell Avenue.

Contract PSD-7 DPPS Electrical Generation

The electrical generation project is currently on hold.

Uninterruptible Power Supply (UPS) System

The installation of the UPS system is approximately 85% completed.

Quick Response Electrical Contracts

QRE-2.003 - U.S. Electric has installed a temporary overhead power feed to ROV cabinet 26A. The permanent underground service will be installed later this summer after the Prairie Path work is completed.

Pipe Storage Facility

Staff is currently developing a site use plan, investigating leasing options for commercial storage facilities, and developing preliminary cost estimates for temporary storage facilities. Staff's findings will be presented after receipt of the QR-7 bids.

Pipe Loop Pilot Plant

The initial flushing and cleaning phase of the Pipe Loop study will continue through June. Chemical addition feed rates are currently being developed and chemical storage equipment sizing is underway. The initial results of the study are expected in the first quarter of 2006.

GIS Development

Staff is working on the engineering drawing viewer application (Task Order No. 6) with Patrick Engineering. Current work includes definition of parameters for the engineering drawing database, development of the GIS system map as a topologically connected network, implementation of a linear referencing system for drawing retrieval and test scanning of a small batch of drawings. Once completed, this application will make existing engineering drawings available online at any computer on the DWC network.

Another active GIS project involves creation of 11" x 17" mapbooks of the entire DWC water distribution system. These mapbooks will be used to identify physical assets in the field and to validate the GIS system map.

Pipeline Construction Overview

CONTRACT BOV-1/02 BLOW-OFF VALVE IMPROVEMENTS

Contract will be closed out upon completion of remaining punch list items and receipt of all contract required documentation.

Lost Time Accidents to Date 06/03/05 0 Days

CONTRACT TIB-1/03 INNER BELT TRANSMISSION MAIN

Open cut pipe installation south of Riverside Drive has progressed to the rib and lagging tunnel shaft south of Riverside Drive. Pipe installation within the rib and

lagging tunnel has been completed. The Northwest Transmission Main connection has been completed. Curb and gutter replacement south of Riverside Drive is currently underway. Pavement replacement south of Riverside Drive is scheduled to begin no later than the week of June 13.

Lost Time Accidents To Date 06/03/05 0 Days

CONTRACT QR-6

Installation of CP test stations necessary for the continued prosecution of the work under Contract CP-3, and previously approved under R-66-04 has resumed. CP Test Station installations approved under R-20-05 are continuing. An amendment to Contract QR-6 appears on the agenda as R-33-05.

Lost Time Accidents to Date 06/03/05 0 Days

CONTRACT CP-3 CORROSION IDENTIFICATION AND ASSESSEMENT

Cathodic Protection Management is continuing with field work under this contract.

Lost Time Accidents to Date 06/03/05 0 Days

CONTRACT BOV-2/04 90" BLOW OFF VALVE IMPROVEMENTS

AB&H is continuing with project design. Pre-Final plan sets requesting review and comment have been transmitted to the various municipalities and agencies located within the project limits.

CONTRACT TS-6/04 SOUTH TRANSMISSION MAIN—PLAINFIELD ROAD

Work on the relocation will begin in early Fall to coincide with the decrease in system demand, thereby minimizing the impact the shutdown will have on Commission customers affected by the work.

The following are attachments to this memorandum:

1. DuPage Laboratory Bench Sheet for May, 2005
2. Water Sales Analysis 01-May-03 to 31-May-05

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET
MONTHLY REPORT FOR MAY 2005

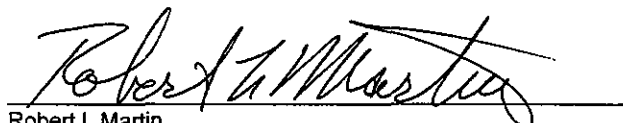
LEXINGTON SUPPLY

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 mg/l	PO ₄ mg/l	P.A.C. LBS/MG	ANALYST INT
1	0.74	0.10	0.51	0.75	0.10	49	7.4	1.1	0.46	0	MB
2	0.75	0.10	0.48	0.75	0.08	49	7.4	1.2	0.45	0	MB
3	0.75	0.11	0.49	0.75	0.08	49	7.4	1.1	0.46	0	MB
4	0.75	0.10	0.49	0.74	0.09	49	7.4	1.1	0.47	0	MB
5	0.74	0.10	0.52	0.74	0.09	50	7.4	1.0	0.45	0	LS
6	0.73	0.11	0.52	0.74	0.10	50	7.5	1.0	0.43	0	LS
7	0.71	0.10	0.51	0.73	0.10	50	7.5	1.0	0.46	0	LS
8	0.73	0.10	0.48	0.75	0.10	50	7.4	1.1	0.46	0	MB
9	0.71	0.10	0.52	0.73	0.08	50	7.4	1.0	0.46	0	MB
10	0.74	0.09	0.52	0.75	0.09	50	7.4	1.1	0.47	0	MB
11	0.75	0.08	0.49	0.74	0.08	50	7.5	1.1	0.45	0	MB
12	0.75	0.10	0.49	0.74	0.09	50	7.4	1.1	0.43	0	MB
13	0.74	0.10	0.49	0.75	0.10	50	7.4	1.1	0.47	0	CT
14	0.74	0.11	0.49	0.75	0.11	50	7.4	1.1	0.45	0	CT
15	0.72	0.11	0.48	0.74	0.09	50	7.4	1.1	0.46	0	CT
16	0.72	0.11	0.48	0.73	0.09	50	7.5	1.0	0.44	0	LS
17	0.72	0.11	0.51	0.73	0.09	51	7.4	1.1	0.44	0	MB
18	0.72	0.10	0.49	0.74	0.10	50	7.4	1.1	0.44	0	MB
19	0.75	0.10	0.45	0.73	0.08	52	7.5	1.1	0.47	0	MB
20	0.72	0.10	0.48	0.75	0.08	52	7.5	1.1	0.46	0	MB
21	0.72	0.09	0.51	0.74	0.08	53	7.5	1.0	0.46	0	LS
22	0.74	0.12	0.51	0.73	0.08	54	7.5	1.0	0.48	0	LS
23	0.71	0.10	0.52	0.73	0.09	54	7.4	1.0	0.45	0	LS
24	0.73	0.11	0.51	0.72	0.09	55	7.4	1.1	0.45	0	MB
25	0.71	0.10	0.53	0.72	0.08	55	7.4	1.2	0.48	0	MB
26	0.72	0.08	0.51	0.72	0.09	54	7.5	1.1	0.48	0	MB
27	0.73	0.08	0.49	0.75	0.07	54	7.5	1.1	0.47	0	MB
28	0.74	0.10	0.48	0.74	0.07	54	7.6	1.2	0.48	0	MB
29	0.74	0.10	0.48	0.75	0.08	55	7.6	1.1	0.47	0	LS
30	0.75	0.10	0.49	0.74	0.10	55	7.6	1.1	0.47	0	LS
31	0.75	0.11	0.48	0.76	0.09	55	7.6	1.0	0.48	0	LS
AVG	0.73	0.10	0.50	0.74	0.09	52	7.5	1.1	0.46	0	
MAX	0.75	0.12	0.53	0.76	0.11	55	7.6	1.2	0.48	0	
MIN	0.71	0.08	0.45	0.72	0.07	49	7.4	1.0	0.43	0	



Terrance McGhee
Operations Supervisor



Robert L. Martin
General Manager

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

01-May-92 TO 31-May-05

PER DAY AVERAGE 80,953,741

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-03	2,622,301,000	2,711,004,309	96.73%	\$3,619,032.96	\$3,315,558.27	3,119,550	0.12%	96.84%
Jun-03	3,031,274,000	3,129,263,410	96.87%	\$4,183,476.12	\$3,827,089.15	9,583,535	0.31%	97.17%
Jul-03	3,114,181,000	3,213,079,828	96.92%	\$4,297,569.78	\$3,929,596.63	3,414,287	0.11%	97.03%
Aug-03	3,137,669,000	3,237,477,343	96.92%	\$4,330,318.18	\$3,959,434.79	6,589,500	0.20%	97.12%
Sep-03	2,775,903,000	2,842,321,431	97.66%	\$3,830,750.38	\$3,476,159.11	1,081,000	0.04%	97.70%
Oct-03	2,463,017,000	2,531,079,199	97.31%	\$3,361,577.64	\$3,095,509.86	1,199,100	0.05%	97.36%
Nov-03	2,220,837,000	2,263,237,760	98.13%	\$3,110,603.92	\$2,767,939.78	1,004,600	0.04%	98.17%
Dec-03	2,302,995,000	2,357,446,124	97.69%	\$3,178,138.40	\$2,883,156.61	785,500	0.03%	97.72%
Jan-04	2,353,099,000	2,415,231,136	97.43%	\$3,247,276.62	\$3,040,776.00	999,500	0.04%	97.47%
Feb-04	2,205,542,000	2,253,789,245	97.86%	\$3,043,647.96	\$2,837,520.66	799,100	0.04%	97.89%
Mar-04	2,240,813,000	2,290,496,569	97.83%	\$3,092,321.94	\$2,883,735.18	883,800	0.04%	97.87%
Apr-04	2,331,090,000	2,380,618,809	97.92%	\$3,218,939.40	\$2,997,199.08	875,000	0.04%	97.96%
May-04	2,600,130,000	2,676,783,908	97.14%	\$3,718,185.90	\$3,370,070.94	1,031,900	0.04%	97.17%
Jun-04	2,721,721,000	2,789,008,356	97.59%	\$3,892,371.69	\$3,511,361.52	1,285,000	0.05%	97.63%
Jul-04	3,133,397,000	3,223,301,033	97.21%	\$4,480,757.71	\$4,058,136.00	4,645,300	0.14%	97.35%
Aug-04	3,007,144,000	3,085,674,758	97.45%	\$4,301,191.02	\$3,884,864.52	1,430,100	0.05%	97.50%
Sep-04	3,009,009,000	3,091,578,157	97.33%	\$4,302,882.87	\$3,892,296.90	1,325,300	0.04%	97.37%
Oct-04	2,514,175,000	2,570,762,145	97.80%	\$3,615,487.65	\$3,236,589.54	947,600	0.04%	97.84%
Nov-04	2,184,341,000	2,240,388,753	97.50%	\$3,123,607.63	\$2,820,649.44	896,100	0.04%	97.54%
Dec-04	2,303,926,000	2,355,411,517	97.81%	\$3,294,614.18	\$2,965,463.10	993,900	0.04%	97.86%
Jan-05	2,343,046,000	2,403,180,116	97.50%	\$3,350,555.78	\$3,119,327.79	1,053,800	0.04%	97.54%
Feb-05	2,062,639,000	2,109,867,797	97.76%	\$2,949,573.77	\$2,738,608.40	1,012,630	0.05%	97.81%
Mar-05	2,262,071,000	2,317,877,242	97.59%	\$3,234,761.53	\$3,008,604.66	2,053,364	0.09%	97.68%
Apr-05	2,290,530,000	2,351,076,764	97.42%	\$3,275,457.90	\$3,051,697.64	3,949,022	0.17%	97.59%
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%
TOTALS (1)	386,877,926,000	398,429,558,490	97.10%	\$519,897,211.99	\$432,093,860.56	299,423,130	0.08%	97.18%
=====								

(1) - SINCE MAY 1, 1992

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

Operations\Spreadsheets\H2O SALES.xls