



DuPage Water Commission

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

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NOTICE IS HEREBY GIVEN THAT THE RESCHEDULED OCTOBER 2006 ENGINEERING & CONSTRUCTION COMMITTEE MEETING OF THE DUPAGE WATER COMMISSION WILL BE HELD AT 7:00 P.M. ON THURSDAY, OCTOBER 12, 2006, AT ITS OFFICES LISTED BELOW. THE AGENDA FOR THE RESCHEDULED OCTOBER 12, 2006 REGULAR COMMITTEE MEETING IS AS FOLLOWS:

AGENDA

ENGINEERING & CONSTRUCTION COMMITTEE
THURSDAY, OCTOBER 12, 2006
7:00P.M.

COMMITTEE MEMBERS

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

600 EAST BUTTERFIELD ROAD
ELMHURST, IL 60126

- I. Roll Call
- II. Approval of Committee Meeting Minutes of August 10, 2006

RECOMMENDED MOTION: To approve the Minutes of the August 10, 2006 Committee Meeting of the DuPage Water Commission (Voice Vote).

- III. Report of Status of Construction/Operations
- IV. Resolution No. R-32-06: A Resolution Approving and Ratifying Certain Contract Change Orders at the October 12, 2006, DuPage Water Commission Meeting

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-32-06: A Resolution Approving and Ratifying Certain Contract Change Orders at the October 12, 2006, DuPage Water Commission Meeting.

- V. Resolution No. R-34-06: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Greeley and Hansen LLC at the October 12, 2006, DuPage Water Commission Meeting

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-34-06: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Greeley and Hansen LLC at the October 12, 2006, DuPage Water Commission Meeting.

- VI. Resolution No. R-35-06: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Consoer Townsend Envirodyne

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.

Engineers, Inc. at the October 12, 2006, DuPage Water Commission Meeting

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-35-06: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Consoer Townsend Envirodyne Engineers, Inc. at the October 12, 2006, DuPage Water Commission Meeting.

VII. Adjournment

**MINUTES OF A MEETING OF THE
ENGINEERING & CONSTRUCTION COMMITTEE
OF THE DuPAGE WATER COMMISSION
HELD ON THURSDAY, AUGUST 10, 2006
600 EAST BUTTERFIELD ROAD
ELMHURST, ILLINOIS**

The meeting was called to order at 7:09 P.M.

Committee members in attendance: R. Ferraro, W Mueller, and S. Louis Rathje *ex officio*.

Committee members absent: G. Wilcox

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

Commissioner Ferraro moved to approve the Minutes of the June 8, 2006 Engineering Committee. Motion seconded by Commissioner Mueller and passed unanimously as follows:

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

The Committee reviewed the memorandum regarding the Status of Operations dated August 4, 2006.

Commissioner Ferraro moved to recommend to the Commission approval of Resolution No. R-25-06: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-7/05 at the August 10, 2006, DuPage Water Commission Meeting during the Super-Majority Omnibus Vote Agenda. Motion seconded by Commissioner Mueller. Commissioner Mueller asked what the contractor would be doing. Staff informed him that the contractor would be making an adjustment of a cathodic protection handhole located in the ramp from northbound Mannheim Road to the eastbound Eisenhower Expressway. This work will include full width removal and replacement of the existing reinforced concrete pavement. Commissioner Ferraro asked how long it would take to complete the work. Staff informed him it would be approximately 4-5 days. Commissioner Maio asked what the Quick Response Contract was. Staff informed him that the Commission entered into certain agreements dated August 29, 2005, with George W. Kennedy Construction Company, Inc. and Rossi Contractors, Inc. for providing quick response construction work as needed through the issuance of Work Authorization Orders.

Minutes 060810 Engineering Meeting

The motion passed unanimously as follows:

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

Commissioner Ferraro moved to recommend to the Commission approval of Resolution No. R-26-06: A Resolution Approving and Authorizing the Execution of a Master Contract with Greeley and Hansen LLC for Professional Engineering Services. Motion seconded by Commissioner Mueller. Commissioner Mueller asked why we were entering into this agreement. Staff informed him that the master contract allows staff the flexibility to solicit work tasks outside their field of expertise. The motion passed unanimously as follows:

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

Commissioner Ferraro moved to recommend to the Commission approval of Resolution No. R-28-06: A Resolution Approving and Ratifying Certain Task Orders under a Master Contract with Patrick Engineering, Inc. at the August 10, 2006, DuPage Water Commission Meeting during the Super-Majority Omnibus Vote Agenda. Motion seconded by Commissioner Mueller. Commissioner Mueller asked what services they would be providing under this task order. Staff informed him that they would be helping to increase the accuracy of the system and they would also be updating the viewing software. Commissioner Mueller also asked about the status of the GIS system. Staff informed him that the GIS system as a whole, was approximately 60% – 70% complete, the internal website was up and running, and they were currently finishing the easement layer of the system. The motion passed unanimously as follows:

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

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

All voted aye. Motion carried.



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: October 6, 2006

SUBJECT: Status of Operations

Operations Overview

The Commission's sales for the month of September were a total of 2.478 billion gallons. This represents an average day demand of 82.6 million gallons per day (MGD), which is lower than the September 2005 average day demand of 106.8 MGD. The maximum day demand was 95.3 MGD on September 2, 2006, which is lower than the September 2005 maximum day demand of 139.4 MGD. The minimum day flow was 76.0 MGD. The Commission recorded a total precipitation for the month of September of 4.83 inches compared to 1.29 inches for September 2005. The level of Lake Michigan for September 2006 is 577.6 (Feet IGLD 1985) compared to 577.7 (Feet IGLD 1985) for September of 2005.

Operations Construction Overview

Contract PSD-6 Reservoir Addition

Division B – Cadwell Avenue Re-Alignment: Advertisements for bids will be late fall or early winter in order to schedule work at the beginning of the next construction season.

Contract PSD-7 DPPS Electrical Generation

Fanning and Company has delivered the Value Engineering report on the 30% complete design documents. A presentation of the report recommendations is scheduled for the October Commission meeting.

Lexington Pump Station Electrical Generation Feasibility Study

Fanning and Company has delivered the Value Engineering report on the Feasibility Study. A presentation of the report recommendations is scheduled for the October Commission meeting.

Pipe Loop Pilot Plant

Camp Dresser McKee (CDM) delivered Quarterly Report #2 with the following findings:

Raising the pH appears to dissolve aluminum and phosphate.

Raising the pH appears to increase total lead concentrations above the action limit. We will start targeting a pH of just below 8.0

Temperature does not appear to have much impact.

Tank # 4 Mixing System

The project will be re-bid before the end of the calendar year.

Back-up Telemetry

The system is fully operational. Miscellaneous punch list work should be resolved and completed before the end of October.

GIS

Geodatabase Design

Patrick Engineering is working on the pipeline calibration project. This project's goal is to establish a more precise correspondence between station values in the GIS map, i.e., the pipeline feature class, and real-world pipeline station values. This will be done using known locations along pipelines obtained using GPS to adjust values in GIS.

Pipeline Construction Overview

CONTRACT TIB-1/03 INNER BELT TRANSMISSION MAIN

Contractor is in the process of completing the installation of the corrosion protection and monitoring system.

CONTRACT CP-3 CORROSION IDENTIFICATION AND ASSESSMENT

Contract is complete. R-32-06 appears on the agenda as a request to approve Change Order No. 2 to Contract CP-3. This Change Order would authorize a contract time extension, final payment to the contractor for all unit price items incorporated into the work, and the release to the contractor of all amounts being held as retention under the contract.

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

Work is in progress. To date, the contractor has repaired 25 existing valves and has completed permanent restoration at those sites. Four valves remain to be completed under this contract. Of the four remaining valves, three will be abandoned and the fourth repaired. Abandonment of these valves will require shut down and isolation of the 90" main, and will take place sometime later on this year when system demand has decreased.

CONTRACT QR-7

Adjustment of a cathodic protection test station handhole located in the ramp from northbound Mannheim Road to eastbound I-290 will begin upon I.D.O.T permit approval.

The following are attachments to this memorandum:

1. DuPage Laboratory Bench Sheets for September, 2006
2. Water Sales Analysis 01-May-03 to 31-September-06
3. Chart showing Commission sales versus allocations
4. Chart showing Commission sales versus historical averages

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET
MONTHLY REPORT FOR SEPTEMBER 2006

LEXINGTON SUPPLY

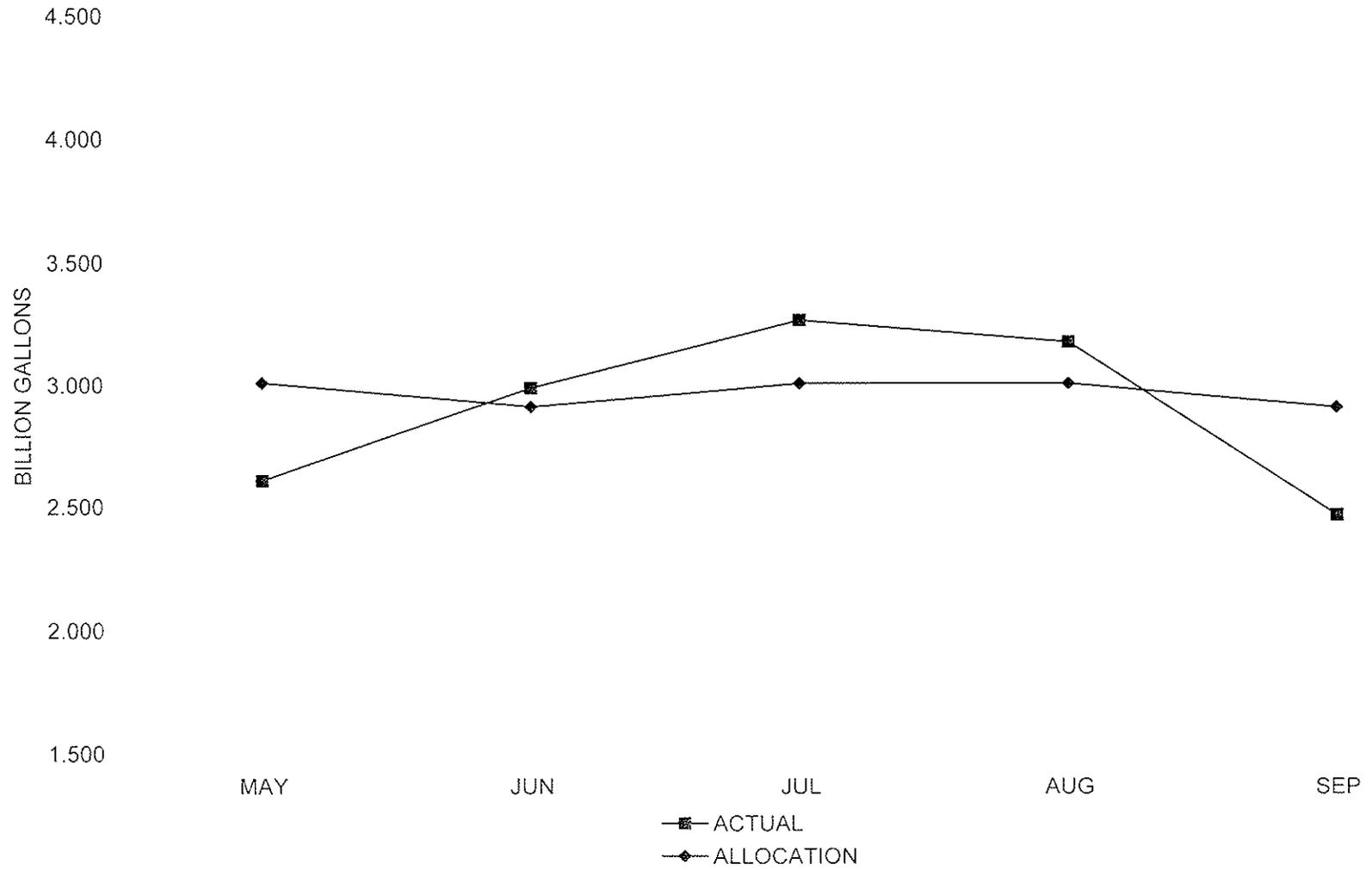
DUPAGE DISCHARGE

DAY	LEXINGTON SUPPLY		DUPAGE DISCHARGE		TEMP °F	pH	Fluoride mg/l	PO ₄ mg/l	P.A.C. LBS/MG	ANALYST INT	
	FREE CL ₂ mg/l	TURBIDITY NTU	PO ₄ mg/l	FREE CL ₂ mg/l							TURBIDITY NTU
1	0.78	0.08	0.46	0.81	0.08	74	7.7	1.0	0.52	0	JV
2	0.76	0.08	0.47	0.79	0.09	75	7.7	1.1	0.51	0	JV
3	0.76	0.09	0.45	0.79	0.08	75	7.6	1.1	0.48	0	JV
4	0.76	0.10	0.46	0.80	0.09	74	7.6	1.0	0.47	0	JV
5	0.71	0.08	0.47	0.83	0.07	74	7.6	1.0	0.44	0	MR
6	0.80	0.09	0.48	0.85	0.09	72	7.6	1.0	0.48	0	MR
7	0.72	0.08	0.46	0.82	0.07	72	7.6	1.0	0.46	0	MR
8	0.76	0.09	0.45	0.81	0.08	72	7.6	1.0	0.44	0	MR
9	0.74	0.08	0.46	0.82	0.09	73	7.6	1.1	0.44	0	JV
10	0.71	0.09	0.47	0.81	0.09	74	7.6	1.0	0.45	0	JV
11	0.72	0.08	0.49	0.82	0.08	73	7.6	1.1	0.46	0	JV
12	0.74	0.08	0.48	0.79	0.09	73	7.6	1.0	0.45	0	JV
13	0.72	0.08	0.49	0.78	0.07	72	7.7	1.0	0.44	0	MR
14	0.74	0.09	0.45	0.82	0.08	72	7.7	1.0	0.44	0	MR
15	0.71	0.08	0.46	0.83	0.08	70	7.7	1.0	0.45	0	MR
16	0.78	0.11	0.52	0.83	0.09	70	7.7	1.0	0.49	0	KD
17	0.74	0.09	0.50	0.79	0.07	70	7.7	1.0	0.48	0	KD
18	0.72	0.09	0.48	0.83	0.07	70	7.6	1.0	0.45	0	KD
19	0.72	0.08	0.53	0.82	0.08	70	7.6	1.1	0.44	0	KD
20	0.73	0.09	0.51	0.79	0.07	70	7.6	1.0	0.45	0	KD
21	0.72	0.09	0.47	0.79	0.08	69	7.6	1.0	0.46	0	AM
22	0.72	0.09	0.46	0.81	0.07	70	7.6	1.0	0.47	0	KD
23	0.78	0.09	0.45	0.81	0.08	70	7.7	0.9	0.45	0	KD
24	0.76	0.08	0.46	0.81	0.07	68	7.7	1.1	0.45	0	KD
25	0.71	0.08	0.48	0.79	0.08	68	7.7	1.0	0.45	0	KD
26	0.77	0.09	0.48	0.79	0.08	68	7.6	1.0	0.44	0	AM
27	0.72	0.08	0.46	0.84	0.07	69	7.7	1.0	0.45	0	MW
28	0.75	0.08	0.49	0.81	0.07	68	7.7	1.0	0.44	0	AM
29	0.80	0.08	0.49	0.79	0.07	69	7.6	1.0	0.44	0	JV
30	0.81	0.09	0.48	0.81	0.07	67	7.6	1.1	0.45	0	MW
31											
AVG	0.72	0.09	0.48	0.81	0.08	71	7.64	1.02	0.46	0.00	
MAX	0.81	0.11	0.53	0.85	0.09	75	7.70	1.10	0.52	0	
MIN	0.71	0.08	0.45	0.78	0.07	67	7.60	0.90	0.44	0.00	

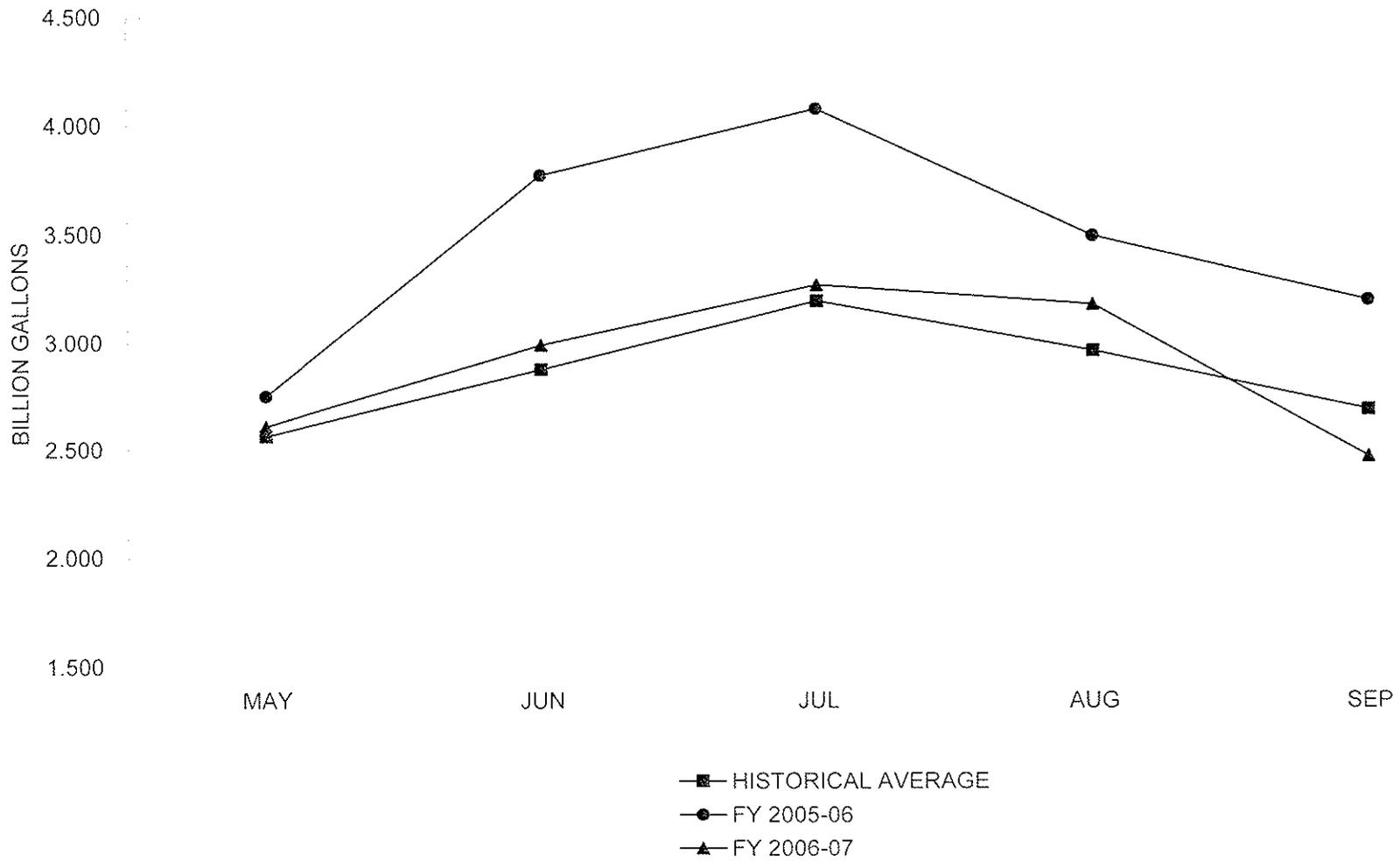

Terrance McGhee
Operations Supervisor


Robert L. Martin
General Manager

DU PAGE WATER COMMISSION SALES
FY 2006-07 VS. ALLOCATION



DU PAGE WATER COMMISSION SALES
FY 2006-07 & FY 2005-06 VS. HISTORICAL AVERAGE



CHANGE ORDER

DuPAGE WATER COMMISSION

SHEET 1 OF 3

PROJECT NAME: Corrosion Identification Survey

CHANGE ORDER NO. 2

LOCATION: DuPage County

CONTRACT NO. CP-3

CONTRACTOR: Cathodic Protection Management Inc.

DATE: October 5, 2006

I. A. **DESCRIPTION OF CHANGES INVOLVED:**

Contract time extension.

B. **REASON FOR CHANGE:**

The replacement of a considerable number of C.P. test stations required for the purpose of field data collection has resulted in delays to the field work, and in turn, to the submission of assessment reports which are generated by the field data. No additional compensation is associated with this change order.

C. **REVISION IN CONTRACT PRICE:**

\$0.00

II. CHANGE ORDER CONDITIONS:

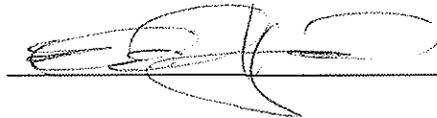
1. The Completion Date established in the Original Contract or as modified by previous Change Orders is hereby extended by 324 calendar days, making the final completion date October 5, 2006.
2. Any additional work to be performed under this Change Order shall be carried out in compliance with the specifications included in the preceding Description of Changes Involved, with the Supplemental Contract Drawings designated as Blow Off Valve Improvements, and under the provisions of the Original Contract, including compliance with applicable Equipment Specifications, General Specifications, and Project Specifications for the same type of work.
3. This Change Order unless otherwise provided herein does not relieve the contractor from strict compliance with the guarantee provisions of the Original Contract, particularly those pertaining to performance and operation of equipment.
4. The Contractor expressly agrees he will place under coverage of his Performance and Payment Bonds and Contractor's Insurance all work covered by this Change Order. The Contractor will furnish to the Owner evidence of increased coverage of his Performance and Payment Bonds for the accrued value of all Change Orders which exceeds the Original Contract Price by twenty percent (20%).

III. ADJUSTMENTS IN CONTRACT PRICE:

1.	Original Contract Price	\$ <u>470,175.60</u>
2.	Net change due to all previous Change Orders	\$ <u>0.00</u>
3.	Contract Price, not including this Change Order	\$ <u>470,175.60</u>
4.	Addition to Contract Price due to this Change Order	\$ <u>0.00</u>
5.	Contract Price including this Change Order	\$ <u>470,175.60</u>

RECOMMENDED FOR ACCEPTANCE:

PROJECT COORDINATOR:

 _____ (10/23/09)
Date

ACCEPTED:

CONTRACTOR:

Cathodic Protection Management Inc.

By:

 _____ (10/23/09)
Date

Signature of Authorized Representative

DUPAGE WATER COMMISSION:

By:

_____ ()
Date

Robert L. Martin
General Manager