

• Engineering Services Key Activities for the Month of June 2006

Summary

- Recent Events
- Skinner Area Projects: San Diego Pipeline No. 6 North Reach Skinner Water Treatment Plant Expansion No. 4
- Supply and Delivery Reliability Inland Feeder Program Mills Water Treatment Plant Capacity Upgrade
- Infrastructure Reliability Conveyance and Distribution System Rehabilitation Program Weymouth Water Treatment Plant Improvements Program Whitewater Siphon Protection Program
- Integrated Area Studies
- Water Quality: Oxidation Retrofit Program
- Regulatory: Chlorine Containment and Handling Facilities

Attachments

Monthly Progress Report of Construction and Procurement Contracts for May 2006.

Detailed Report

This report details key engineering activities for the month June 2006.

Board Report (Engineering Key Activities Report for the month of June 2006)

Recent Events:

- Notices Inviting Bids for the following projects were issued in June:
 - Specification No. 1561 Colorado River Aqueduct Siphons, Transitions, Canals, and Tunnels Rehabilitation and Improvements
 - Specification No. 1546A- F. E. Weymouth Water Treatment Plant Perimeter Improvements, Phase I
 - Specification No. 1573 Copper Basin Security Fiber Optic Cable Network System

September and October Board actions are planned to request funding and award construction contracts for these projects.

- Bids for the following projects were opened in June:
 - Specification No. 1516A Jensen Water Treatment Plant Chlorine Containment and Fluoride Project
- The following partnering sessions were held:
 - June 26, 2006 Diemer Water Treatment Plant Site Preparation with contractor Kiewit Pacific This first session was the kick-off partnering meeting for the project. Staff and the contractor met to discuss common project goals and identify issues or concerns that may impede the project.

• A meeting with the City of Brea and Metropolitan was held June 8, 2006, to describe and garner consensus for the proposed North Access Road. The city has requested a presentation on the project before the City Council for July or August 2006.

Skinner Area Projects

San Diego Pipeline No. 6 North Reach: Installation of over 35,000 feet of pipeline and structures has been completed through June, which is 98 percent of the pipeline. The remaining two-percent of the alignment is proceeding in two locations; adjacent to the Skinner Plant, where work is proceeding cautiously due to difficulty in excavation and the close proximity of existing Metropolitan pipelines, and at Rancho California Road, where the pipeline will be installed in a tunnel to ensure traffic and safety concerns are addressed.

Forming and installing steel reinforcement for the 144-inch butterfly valve vault roof deck has been completed. Work continues on the subgrade along Borel Road adjacent to the Skinner plant, with the concrete encasement of the vault commencing this month.

Road restoration along the patrol road north of Vino Way continues. Tunnel operations at the Rancho California Road crossing continue, where approximately 85 linear feet of the 120 feet tunnel crossing has been excavated (Figure 1).

The North Reach project is scheduled to be on-line in the summer of 2006 and is within budget.



Figure 1: Tunnel Excavation at Rancho California Road

Board Report (Engineering Key Activities Report for the month of June 2006)

Skinner Area Projects (cont.):

Plant No. 3

Skinner Water Treatment Plant Expansion No. 4: This program includes construction of a new 110-mgd water treatment module (Module No. 7) and supporting facilities. In order to expedite construction of the expansion, the work is being completed under multiple construction contracts. The Module No. 7 construction is approximately 81 percent complete and is scheduled to be completed in March 2007. Recent activities include the following:

- The Washwater Reclamation Plant No. 3, which is part of the ORP construction contract, is approximately 61 percent complete and is scheduled to be completed in November 2006 (Figure 2).
- The Chemical Systems Modifications work is approximately 28 percent complete and is scheduled to be • completed in June 2007.

The program is on schedule to be completed in fiscal year 2007/08 and is within budget.

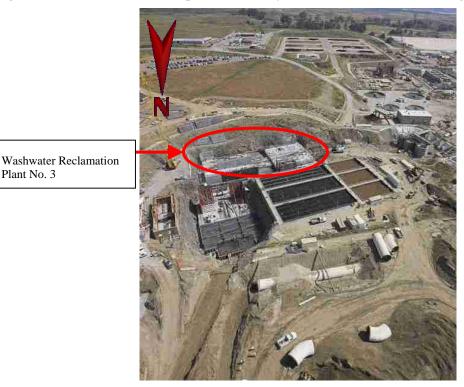


Figure 2: Washwater Reclamation Plant No. 3

Board Report (Engineering Key Activities Report for the month of June 2006)

Supply and Delivery Reliability:

Inland Feeder Program: The program consists of 44 miles of pipeline and tunnels that will enable Metropolitan to convey up to 1,000 cubic feet per second of State Water Project supplies from Devil Canyon Afterbay to Diamond Valley Lake. Eight of nine construction contracts have been completed. Recent activities include the following:

- Arrowhead East Tunnel The tunnel boring machine (TBM) mining continued to advance at a consistent pace due to the improved rock conditions. During June (through the 21st) the TBM advanced 560 feet for a total of 12,995 feet (58 percent of the total length) to date.
- Arrowhead West Tunnel In early April, the TBM cutterhead became lodged due to unstable rock conditions (Figure 3). The TBM was freed on June 7th and the contractor has mined 75 feet (through June 21st) for a total of 6,230 feet (31 percent of the total length) to date.

A revised program schedule is being developed as part of on-going negotiations with the contractor. The program is expected to be completed within the Board-approved budget of \$1.186 billion. An updated Project Cost to Complete is under review.



Figure 3: Using auxiliary jacks (560 ton each) to release the TBM shield from stuck position

Supply and Delivery Reliability (cont.):

Mills Water Treatment Plant Capacity Upgrade: This program will upgrade specific components of the Mills plant to match the plant's treatment capacity of 326 mgd. The program consists of four projects. Recent activities include the following:

- Ozone Contactors Nos. 3 and 4 Under the completed Mills ORP, Ozone Contactors Nos. 1 and 2 were
 installed with a combined capacity of 160 mgd. To increase the ozonation capacity to 326 mgd, two new
 ozone contactors are required. Final design is 90 percent complete and is scheduled to be completed by
 August 2006. The projected completion date for the new contactors is mid-2008 pending an available
 plant shutdown in late spring 2008 to complete structural tie-ins.
- <u>Modules Nos. 1 and 2 Rehabilitation</u> To fully upgrade the Mills plant to achieve a capacity of 326 mgd, Modules Nos. 1 and 2 will be rehabilitated and returned to service. In conjunction with the rehabilitation of these modules, the post-filter disinfection system will be upgraded. Preliminary design is complete and the Board authorized final design in March 2006. A value engineering study will be initiated in July 2006. Construction is scheduled to be completed for Modules Nos. 1 and 2 by late-2008.
- <u>Solids Handling Upgrade</u> A study is underway to determine if operational changes, upgrades of the lagoons, or new facilities (mechanical dewatering equipment and storage) are required to reliably treat the plant's full 326 mgd capacity. The study is 25 percent complete and is scheduled to be completed by late summer 2006. Construction is scheduled to be completed for the solids handling facilities in late-2009.
- <u>Chemical System Upgrades</u> Portions of the existing chemical facilities will be upgraded to support the plant's full 326 mgd capacity. The existing caustic tank farm is shown below that will be upgraded as part of the project (Figure 4). Preliminary design is complete. The Board authorized final design in March 2006. Construction is scheduled to be completed for the upgraded chemical facilities in late-2008.

The program is on schedule to be completed in fiscal year 2008/09 and is within budget.



Figure 4: Mills Caustic Tank Farm

Infrastructure Reliability

Conveyance and Distribution System Rehabilitation Program: This program was initiated to maintain reliable deliveries through specific repair and rehabilitation projects on Metropolitan's pipelines, reservoirs, and control structures. In May 2006, the Board authorized nine additional projects. These projects involves rehabilitation of pipelines, pump plants, cathodic protection and erosion control improvements. The program currently contains 52 projects, of which 20 have been completed. Recent activities include the following:

- <u>Box Springs Feeder</u> This project consists of the repair of five broken back prestressed concrete cylinder pipe sections. Preliminary design is 70 percent completed with completion scheduled for August 2006.
- <u>Foothill Feeder Pipeline Repair</u> Construction of this project was originally scheduled for February 2006 but it was discovered that the groundwater in the area was contaminated. The project will be re-advertised to include procedures and permits for treating the groundwater prior to excavation and during construction. Revised construction documents have been completed and the project will be re-advertised in July 2006.
- <u>Rialto Feeder Repair</u> This project consists of the repair of one broken back prestressed concrete cylinder pipe section. Preliminary design is 50 percent complete with completion scheduled for August 2006.
- <u>San Diego Pipeline Nos. 1&3</u> This project consists of the replacement of 24 valves and fittings. The existing valves are difficult to operate due to corrosion (Figure 5). Replacement of five valves and fittings were completed in March 2006. Nineteen remaining valves will be replaced during scheduled shutdowns in November 2006 and April 2007. Two short duration shutdowns have been scheduled to reduce the impact upon member agencies.

The program is on schedule to be completed in fiscal year 2008/09 and is within budget.



Figure 5: Existing valves to be replaced

Infrastructure Reliability (cont.)

Weymouth Water Treatment Plant Improvements Program: This program was initiated to maintain reliability and improve the operating efficiency of the Weymouth plant through specific improvement projects. The program currently contains 17 projects. Recent activities include the following:

- <u>Solids Handling Facilities</u> Construction is complete. Equipment performance testing was conducted in May and June 2006. The 30-day reliability test is underway.
- <u>Replace Surface Wash Header in Filter Building 1</u> Construction to replace the surface wash headers was completed in June 2006.
- <u>La Verne Power System Upgrade Project</u> Preliminary design is 60 percent complete and scheduled to be completed by summer 2006.
- <u>Filter Valve Improvements</u> Final design is 90 percent complete with completion scheduled for October 2006.
- <u>Finished Water Reservoir Roof Recoating</u> The finished water reservoir roof recoating was completed in June 2006 (Figure 6).
- <u>Weymouth Perimeter Improvements</u> Weymouth perimeter improvements will be bid as three separate packages. This approach of dividing the work into smaller contracts will enhance opportunities for Small Business Enterprise participation in the work. The first package, which includes extension of the security fence, was advertised and bids were opened on May 23, 2006. The low bidder was non-responsive and the project will be re-advertised on July 11, 2006. The second package includes landscaping and perimeter improvements along the north and south plant boundaries. The third package includes traffic and security improvements at the Wheeler Avenue entrance.
- <u>Seismic Upgrades</u> A study for the seismic upgrade of the Junction Structure was completed and preliminary design began in June.

The program is on schedule to be completed in fiscal year 2010/11 and is within budget.



Figure 6: Finished water reservoir roof recoating in process

Date of Report: July 11, 2006

Board Report (Engineering Key Activities Report for the month of June 2006)

Infrastructure Reliability (cont.)

Whitewater Siphon Protection Program: This program was established to prevent damage of the Whitewater Siphon on the Colorado River Aqueduct due to storm flows in the Whitewater River. The program consists of protecting the siphon and remediation of a nearby Metropolitan-owned mining pit. Recent activities include the following:

- The draft Environmental Impact Report (EIR) prepared by the environmental consultant is being reviewed internally. The 45-day public review is scheduled to begin August 2006. A request to the Board for certification of the draft EIR is scheduled for early 2007.
- Portions of the Whitewater River protective berm were damaged by the 2005/06 winter storms (Figure 7). The repair of the damaged areas and fencing is 90 percent complete with completion scheduled for August 2006.

The program is on schedule to be completed in fiscal year 2009/10 and is within budget.



Figure 7: Damaged MWD fencing and protective berm along the Whitewater River, looking north

Integrated Area Studies:

In an effort to better integrate local and regional water systems and planning efforts, Metropolitan and its member agencies are conducting joint Integrated Area Studies (IAS) to identify the local and regional facilities that will be required to meet future water demands. Discussions were initiated on level of service issues in the April meetings of the member agency teams for the Riverside/San Diego IAS and the Central Pool IAS. Final member agency updates on local projects were received in May. The May meetings were postponed as member agencies' updates on local projects were still being received early in the month and staff required time to address any open questions before incorporating these updates into the regional model. The June discussions focused on draft results of the updated demand projections, refinements to Metropolitan's operational model, and a suggestion that a technical team be formed to review the methodology and assumptions used for determining future demands on Metropolitan.

Date of Report: July 11, 2006

Water Quality:

Oxidation Retrofit Programs: This program was established to reduce the level of disinfection by-products in the finished water at all five treatment plants in order to meet state and federal drinking water regulations and to remove blend or plant capacity restrictions at the three blend plants. Recent activities include the following:

- <u>Mills Plant</u> The plant's ozone system became fully operational in March 2003. Final design of two new ozone contactors to upgrade the plant's ozonation system capacity to 326 mgd is approximately 90 percent complete. It is anticipated that the project will be bid in September 2006.
- Jensen Plant The plant's ozone system became fully operational on July 1, 2005.
- <u>Skinner Plant</u> Ozone facilities construction work is approximately 24 percent complete (Figure 8).
- <u>Weymouth Plant</u> Final design of the Weymouth ozone facilities is approximately 90 percent complete.
- <u>Diemer Plant</u> Construction of the new Plant Maintenance Facilities is approximately 45 percent complete. Construction of the Vehicle Maintenance Building is approximately 35 percent complete. Both facilities are scheduled to be completed in November 2006. Construction work on Phase I of the Chemical Tank Farm improvements for the ORP is approximately 21 percent complete and scheduled for completion in early 2007. Final design on the general ozone facilities is 50 percent complete. The south slope stabilization (Site Preparation) construction contract was awarded and the contractor began construction in May. This contract is scheduled to complete in March 2008.



Figure 8: Contactor rejection pipe installation at Skinner

Regulatory:

Chlorine Containment and Handling Facilities: This program includes design and construction of facilities at all five water treatment plants and the Chlorine Unloading Facility (CUF) to minimize the possibility of a chlorine leak. Recent activities include the following:

- <u>Diemer and Weymouth Plants</u> The Diemer and Weymouth projects were completed in 2002 and 2005, respectively, and are fully operational.
- <u>Jensen Plant</u> Final design of the new chlorine containment facilities is complete. Bids for the Jensen facilities were opened in June and a request to the Board to award a contract is planned for July 2006.
- <u>Mills Plant</u> The Notice to Proceed was issued May 2, 2006. The contractor mobilized and work is underway.
- <u>Skinner Plant</u> Construction of the chlorine containment facilities is 30 percent complete (Figure 9).
- <u>Chlorine Unloading Facility (CUF)</u> Preliminary design is scheduled to commence in late 2006.
- <u>On–Site Chlorine Generation Study</u> A study was updated to assess the cost of utilizing sodium hypochlorite as the source of chlorine at Metropolitan's treatment plants. The sodium hypochlorite would be generated on-site, and would replace the use of bulk liquid chlorine. The results from this study were presented to the Engineering and Operations Committee in June 2006.

The program is on schedule to be completed in fiscal year 2008/09 and is within budget.



Figure 9: Skinner chlorine containment construction



MONTHLY PROGRESS REPORT OF CONSTRUCTION AND PROCUREMENT CONTRACTS May 2006

(Progress Through May 25, 2006)

Summa	ry of Progress			
		Construction	Related Pr	ocurement
Number of Contracts		28	5	5
Total Bid Amount of Contracts in Progress	\$	874,544,499	\$	35,781,809
Number of Contracts Awarded This Month		1	C)
Total Bid Amount of Contracts Awarded This Month	\$	3,985,000	\$	-
Contract Gross Earnings This Month*	\$	25,570,885	\$	526,396

*Note: Earnings reflected in this report represent the value of the work performed by the contractor through the 25th day of the month. Earnings include contract retention and other similar deductions from amounts earned by the contractor but otherwise required to be withheld by Metropolitan by law or by contract. Further, payments are made in the month following the performance of the work. For these reasons, contract payments reflected in Metropolitan's financial system will be less than the earnings shown in this report until the final payment has been made to the contractor.

Contracts Awarded This Month

Contract No. 1632, F. E. Weymouth Water Treatment Plant Chemical System Upgrades, in the amount of \$3,985,000, was awarded to Brutoco Engineering and Construction, Inc. The work consists of construction of fluorosilicic acid unloading, storage and injection facilities, steel roof canopies, and associated work.

Contracts Completed This Month

Contract No. 1629, Desert Pavement Maintenance Project Fiscal Year 2005/2006, was completed on May 30, 2006, and the notice of completion was recorded on June 8, 2006.

Summaries/Status of Contracts

The summaries/status of current construction and construction-related procurement contracts are provided on the following pages.

MWD METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

MONTHLY CONSTRUCTION PROGRESS REPORT May 2006

(Progress Through May 25, 2006)

			Sum	ıma	ry of Constru	ctio	n Contracts	(Pa	ige 1 of 2)					
Cont. No.	Spec. No.	Feature	Contractor	E	Bid Amount	Ea	rnings This Month	E	arnings To Date	Net Extra ork To Date	Start Date	Contract Completion Date	Estimated Completion Date	Estimated Percent Complete
		Inland Feeder Contract												
1542	1437	Arrowhead Tunnels Project	J. F. Shea / Kenny	\$	242,250,000	\$	1,179,543	\$	159,243,386	\$ 22,532,189	8/2/02	7/11/07	11/08	60%
			Inland Feeder Totals	\$	242,250,000	\$	1,179,543	\$	159,243,386	\$ 22,532,189				
		Miscellaneous Contracts												
1569	1466	OC-88 Energy Savings Modifications	Kiewit Pacific Co.	\$	9,095,000	\$	-	\$	9,448,177	\$ 710,066	8/13/03	11/3/05	6/06	96% ¹
1589	1492	Weymouth Water Treatment Plant Solids Handling Facilities	Brutoco Engineering & Construction, Inc.	\$	14,090,000	\$	37,410	\$	14,175,580	\$ 121,547	10/20/04	3/30/06	6/06	99% ²
1593	1489	Skinner Water Treatment Plant Expansion No. 4 Module No. 7	J. R. Filanc Construction Company, Inc.	\$	76,383,645	\$	3,583,978	\$	63,467,781	\$ 3,724,262	1/5/05	3/19/07	3/07	79%
1598	1479	San Diego Pipeline No. 6 North Reach	J. F. Shea Construction, Inc.	\$	65,806,000	\$	2,585,822	\$	57,897,886	\$ 130,858	1/24/05	1/20/07	1/07	88%
1599	1496	Diemer Water Treatment Plant Yorba Linda Feeder Bypass	Mladen Buntich Construction Co.	\$	5,915,000	\$	26,150	\$	5,870,894	\$ 26,294	2/16/05	6/28/06	6/06	99%
1603	1506A	Weymouth Water Treatment Plant Replace Surface Wash Headers in Filter Building No. 1	Brutoco Engineering & Construction, Inc.	\$	3,136,400	\$	362,060	\$	2,974,088	\$ 125,000	5/19/05	9/8/06	9/06	91%
1605	1513A	Diemer Water Treatment Plant Administration Building Reroofing	Best Roofing & Waterproofing, Inc.	\$	161,094	\$	-	\$	161,094	\$ -	5/19/05	12/10/05	6/06	99% ¹
1607	1504	Diemer Water Treatment Plant Entrance Relocation, Vehicle Maintenance Center, and Solids Handling Facilities	Brutoco Engineering & Construction, Inc.	\$	29,260,000	\$	2,872,922	\$	14,045,951	\$ -	6/13/05	11/16/06	11/06	48%
1609	1483	Skinner Water Treatment Plant Oxidation Retrofit Program and Washwater Reclamation Plant No. 3	Shimmick Construction/Obayashi Corp. JV	\$	184,650,000	\$	6,672,655	\$	39,462,166	\$ 423,057	7/28/05	1/7/09	1/09	21%
1610	1501	Weymouth Water Treatment Plant Finished Water Reservoir Roof Recoating	CentiMark Corporation	\$	1,440,000	\$	-	\$	1,380,280	\$ -	7/27/05	12/25/05	7/06	96% ²
1611	1503A	Fire Protection for Remote Communication Sites	Sabah International, Inc.	\$	231,348	\$	64,596	\$	123,931	\$ -	9/13/05	6/27/06	6/06	54%
1612	1528	Diemer Water Treatment Plant Rehabilitate Filter Surface Wash Headers	Norman A. Olsson Construction, Inc.	\$	1,849,331	\$	282,988	\$	1,010,719	\$ -	10/12/05	9/27/07	9/07	55%
1613	1533	Diemer Washwater Tank Pumps Replacement	DenBoer Engineering & Construction, Inc.	\$	355,000	\$	33,000	\$	118,500	\$ -	11/9/05	8/25/06	8/06	33%
1614	1505	Diemer Plant Maintenance Facilities	Brutoco Engineering & Construction, Inc.	\$	8,219,000	\$	590,024	\$	3,149,080	\$ -	11/9/05	3/8/07	3/07	38%

¹ Contract accepted as substantially complete. Punch list work remains.

² Time Extension pending.

SUMMARY CONTINUED ON NEXT PAGE

MWD METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

MONTHLY CONSTRUCTION PROGRESS REPORT May 2006

(Progress Through May 25, 2006)

			Sun	nmar	y of Constru	ictio	n Contracts	s (Pa	age 2 of 2)					, , ,
Cont. No.	Spec. No.	Feature	Contractor	Bi	id Amount	Ear	rnings This Month	E	arnings To Date	Net Extra ork To Date	Start Date	Contract Completion Date	Estimated Completion Date	Estimated Percent Complete
		Miscellaneous Contracts												
1615	1526	Iron Mountain and Gene Facilities Swimming Pools Rehabilitation	Mike's Contracting, Inc.	\$	183,000	\$	-	\$	143,000	\$ -	2/6/06	5/26/06	6/06	78% ¹
1616	1498	Skinner Water Treatment Plant Chemical Systems Modifications	Kiewit Pacific Co.	\$	109,944,000	\$	4,352,565	\$	24,961,119	\$ 72,888	11/28/05	6/4/07	6/07	23%
1619	1400	Mills Water Treatment Plant Main Entrance Road Realignment and Perimeter Landscaping	Mega Way Enterprises	\$	3,295,000	\$	-	\$	92,950	\$ -	1/25/06	7/2/07	7/07	3%
1620	1495	Diemer Water Treatment Plant Chemical System Upgrades	Brutoco Engineering & Construction, Inc.	\$	13,960,000	\$	1,028,610	\$	2,955,800	\$ -	1/13/06	1/24/07	1/07	21%
1623	1540	Foothill Feeder Carbon Fiber Liner Repairs	Fibrwrap Construction, Inc.	\$	1,250,000	\$	-	\$	116,541	\$ -	1/30/06	5/19/06	1	9%
1625	1527	Jensen Water Treatment Plant Elevator Rehabilitation	Excel Elevator Services, Inc.	\$	98,500	\$	-	\$	-	\$ -	5/8/06	10/11/06	10/06	0%
1626	1553	Diamond Valley Lake East Recreation Area Landscaping and Signage Improvements, Phase 1	Sunrise Landscape Co., Inc.	\$	1,963,700	\$	345,980	\$	993,920	\$ -	3/9/06	10/25/06	10/06	51%
1627	1531	Diamond Valley Lake East Recreation Area Searl Parkway Improvements, Phase 2	Griffith Company	\$	6,242,068	\$	404,650	\$	404,650	\$ -	3/27/06	1/9/07	1/07	6%
1628	1517	Mills Water Treatment Plant Chemical System Upgrades	J. R. Filanc Construction Co., Inc.	\$	19,914,600	\$	218,250	\$	218,250	\$ -	5/2/06	10/4/07	10/07	1%
1629	1558	Desert Pavement Maintenance Project	Copp Contracting, Inc.	\$	206,358	\$	236,682	\$	236,682	\$ -	5/2/06	5/30/06	5/06	100%
1630	1522	Magazine Canyon Canopy	C. J. Tech Construction Inc.	\$	144,000	\$	-	\$	-	\$ -	5/8/06	8/29/06	8/06	0%
1631	1535	Diemer Water Treatment Plant Site Preparation for Oxidation Retrofit Program	Kiewit Pacific Co.	\$	70,516,455	\$	693,000	\$	693,000	\$ -	5/15/06	2/20/08	2/08	1%
1632	1518A	Weymouth Water Treatment Plant Chemical System Upgrades	Brutoco Engineering and Construction, Inc.	\$	3,985,000	\$	-	\$	-	\$ -	6/19/06	11/19/07	11/07	0%
		Misce	llaneous Contract Totals	\$ (632,294,499	\$	24,391,342	\$	244,102,039	\$ 5,333,972				
		Total Value of Construction	on Contracts in Progress	\$8	374,544,499	\$ 2	25,570,885	\$	403,345,425	\$ 27,866,161				

¹ Time extension pending.



MONTHLY CONSTRUCTION PROGRESS REPORT

May 2006

(Progress Through May 25, 2006)

		Summary of C	Construction and Procur	ement Contracts	Completed This Mo	onth Pending Final	Payment		
Cont. No.	Spec. No.	Feature	Contractor	Bid Amount	Estimated Final Earnings	Total Net Value of Extra Work	Date Work Accepted	Date Notice of Completion Recorded	Date Final Payment Due
1629	1558	Desert Pavement Maintenance Project	Copp Contracting, Inc.	\$ 206,358	\$ 236,682 *		5/30/06	6/8/06	7/29/06

* Difference due to variations in estimated quantities of unit priced items.

			Sum	mary	/ of Procurem	nent	Contracts					
Cont. No.	Spec. No.	Feature	Contractor	E	Bid Amount	Ea	rnings This Month	Ea	rnings to Date	Starting Date	Delivery Date	Remarks
1582	1480	Oxygen/Ozone System Equipment for the Robert A. Skinner Water Treatment Plant Oxidation Retrofit Program	Ozonia North America	\$	8,409,000	\$	-	\$	5,431,610	6/22/04	11/30/08	Payments on this contract are made quarterly
1584	1494	Butterfly Valves for the San Diego Pipeline No. 6 North Reach Project	Sojitz Corporation of America	\$	796,045	\$	-	\$	792,354	7/19/04		Operation & testing in progress before final payment
1601	1519	Fabricated Steel Pipe and Fittings for the Robert A. Skinner Water Treatment Plant Oxidation Retrofit Program and Washwater Reclamation Plant No. 3	Ameron International	\$	8,545,000	\$	526,396	\$	4,196,673	3/22/05	03/22/06	Pipe is continuously fabricated and delivered. Estimated completion 9/06.
1622		Oxygen/Ozone System Equipment for the Robert B. Diemer and F. E. Weymouth Water Treatment Plants Oxidation Retrofit Program	Ozonia North America	\$	15,322,800	\$	-	\$	-	2/2/06	11/07/08	Payments on this contract are made quarterly
1624		Butterfly Valves for the Second Lower Cross Feeder, Rialto Pipeline, and the Perris Valley Pipeline	Hughes Water & Sewer Ltd.	\$	2,708,964	\$	-	\$	-	2/21/06	07/03/07	
		Total Value of Procuremen	t Contracts in Progress	\$	35,781,809	\$	526,396	\$	10,420,637			

MWD METROPOL

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

MONTHLY CONSTRUCTION PROGRESS REPORT

May 2006

Contract No.	1542	Inland Feeder Program
Specifications No.	1437	Arrowhead Tunnels Project
Contractor: J. F. Shea / Kenny		

Scope of Work:

The project consists of purchasing two tunnel boring machines (TBMs); excavating two 12-foot interior finished diameter tunnels; constructing three portal structures; furnishing and installing a precast concrete segmental liner and a final liner for the Arrowhead West tunnel.

60%	60%
9%	9%
ember 2008	er 2008 *
42,250,000	250,000
59,243,386	243,386
22,532,189	532,189
\$1,179,543	179,543
\$5,836	\$5,836
8/2/02	8/2/02
1050	1050
7/11/07	7/11/07 *



Installation of additional drain holes for flushing packing grout

OC-88 Energy Savings Modifications

Contract No.		1569
Specifications	s No.	1466
Contractor	Kiewit Pacific Co	

Scope of Work:

The work consists of furnishing and installing the following: 2 spherical surge tanks, 8 surge anticipation valves, 1 plant flow meter, 3 new pumps, motors, and variable frequency drives. Additional work consists of modifying the following existing items: a forebay, chlorine room, discharge line, sodium hypochlorite feed system, and 4 pumps.

At a Glance:

Estimated Percent Complete	96%
Percent Extra Work	8%
Estimated Completion Date	June 2006
Details:	
Bid Amount	\$9,095,000
Earnings To Date	\$9,448,177
Net Extra Work To Date	\$710,066
Earnings This Month	\$0
Net Extra Work This Month	\$0
Contract Start	8/13/03
Duration in Working Days	540
Contract Completion	11/3/05 **



Completed spherical surge tanks

* Contract completion to be revised based on tunneling progress and negotiations with the contractor.

** Contract accepted as substantially complete as of November 3, 2005. Punch list work remains.



MONTHLY CONSTRUCTION PROGRESS REPORT

May 2006

1589	Weymouth Water Treatment Plant
1492	Weymouth Water Treatment Plant Solids Handling Facilities
& Construction, Inc.	-
keners, a new solids three new filter belt	
99%	
1%	
June 2006	
\$14,090,000	
\$14,175,580	
\$121,547	
\$37,410	
\$85,735	
10/20/04	
280	Construction of solids handling facility in progress
3/30/06 *	
1593	
1593 1489	Skinner Water Treatment Plant Expansion No. 4 Module No. 7
1489	Skinner Water Treatment Plant Expansion No. 4 Module No. 7
1489	Expansion No. 4 Module No. 7
1489 tion Company, Inc. a water treatment module, a new electrical	Expansion No. 4 Module No. 7
1489 tion Company, Inc. a water treatment module, a new electrical	Expansion No. 4 Module No. 7
1489 tion Company, Inc. a water treatment module, a new electrical york.	Expansion No. 4 Module No. 7
1489 tion Company, Inc. a water treatment module, a new electrical ork. 79%	Expansion No. 4 Module No. 7
1489 tion Company, Inc. a water treatment module, a new electrical york. 79% 5%	Expansion No. 4 Module No. 7
1489 tion Company, Inc. a water treatment module, a new electrical ork. 79% 5% March 2007 \$76,383,645	Expansion No. 4 Module No. 7
1489 tion Company, Inc. a water treatment module, a new electrical york. 79% 5% March 2007	Expansion No. 4 Module No. 7
1489 tion Company, Inc. a water treatment module, a new electrical ork. 79% 5% March 2007 \$76,383,645	Expansion No. 4 Module No. 7
1489 tion Company, Inc. a water treatment module, a new electrical ork. 79% 5% March 2007 \$76,383,645 \$63,467,781	Expansion No. 4 Module No. 7
1489 tion Company, Inc. a water treatment module, a new electrical ork. 79% 5% March 2007 \$76,383,645 \$63,467,781 \$3,724,262 \$3,583,978 \$227,064	Expansion No. 4 Module No. 7
1489 tion Company, Inc. a water treatment module, a new electrical ork. 79% 5% March 2007 \$76,383,645 \$63,467,781 \$3,724,262 \$3,583,978	
1489 tion Company, Inc. a water treatment module, a new electrical ork. 79% 5% March 2007 \$76,383,645 \$63,467,781 \$3,724,262 \$3,583,978 \$227,064	Expansion No. 4 Module No. 7
() ()	1492 & Construction, Inc. xisting sludge pump keners, a new solids three new filter belt solids storage hoppers, 99% 1% June 2006 \$14,090,000 \$14,175,580 \$121,547 \$37,410 \$85,735 10/20/04 280

* Time extension pending.

MONTHLY CONSTRUCTION PROGRESS REPORT

May 2006

		May 2006
Contract No.	1598	San Diego Pipeline No. 6
Specifications No.	1479	North Reach
Contractor: J. F. Shea Constructio	n, Inc.	
Scope: The work consists of the construction miles of fabricated steel pipeline, con connections, installing butterfly valve:	structing facility	the second to have the second states the
At a Glance:		
Estimated Percent Complete	88%	
Percent Extra Work	0%	
Estimated Completion Date	January 2007	
Details:		
Bid Amount	\$65,806,000	
Earnings To Date	\$57,897,886	
Net Extra Work To Date	\$130,858	
Earnings This Month	\$2,585,822	
Net Extra Work This Month	\$5,175	
Contract Start	1/24/05	
Duration in Working Days	500	Construction of 144-inch butterfly valve vault in progress
Contract Completion	1/20/07	
Contract No.	1599	Diemer Water Treatment Plant
	1599 1496	Diemer Water Treatment Plant Yorba Linda Feeder Bypass
Contract No. Specifications No. Contractor: Mladen Buntich Const	1496	
Specifications No. Contractor: Mladen Buntich Const Scope:	1496 ruction Co.	
Specifications No. <u>Contractor:</u> <u>Mladen Buntich Const</u> Scope: The work consists of installing approx of pipeline, including excavation and	1496 ruction Co. kimately 1,580 linear feet	
Specifications No. <u>Contractor: Mladen Buntich Const</u> Scope: The work consists of installing approx of pipeline, including excavation and vertical shaft, and associated work.	1496 ruction Co. kimately 1,580 linear feet	
Specifications No. <u>Contractor: Mladen Buntich Const</u> Scope: The work consists of installing approx	1496 ruction Co. kimately 1,580 linear feet	
Specifications No. <u>Contractor:</u> <u>Mladen Buntich Const</u> Scope: The work consists of installing approx of pipeline, including excavation and vertical shaft, and associated work. At a Glance:	1496 ruction Co. kimately 1,580 linear feet construction of a tunnel,	
Specifications No. <u>Contractor: Mladen Buntich Const</u> Scope: The work consists of installing approx of pipeline, including excavation and vertical shaft, and associated work. At a Glance: Estimated Percent Complete	1496 ruction Co. kimately 1,580 linear feet construction of a tunnel, 99%	
Specifications No. <u>Contractor: Mladen Buntich Const</u> Scope: The work consists of installing approx of pipeline, including excavation and vertical shaft, and associated work. At a Glance: Estimated Percent Complete Percent Extra Work <u>Estimated Completion Date</u>	1496 ruction Co. kimately 1,580 linear feet construction of a tunnel, 99% 0%	
Specifications No. <u>Contractor:</u> <u>Mladen Buntich Const</u> Scope: The work consists of installing approx of pipeline, including excavation and vertical shaft, and associated work. At a Glance: Estimated Percent Complete Percent Extra Work	1496 ruction Co. kimately 1,580 linear feet construction of a tunnel, 99% 0%	
Specifications No. Contractor: Mladen Buntich Const Scope: The work consists of installing approx of pipeline, including excavation and vertical shaft, and associated work. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details:	1496 ruction Co. kimately 1,580 linear feet construction of a tunnel, 99% 0% June 2006	
Specifications No. <u>Contractor: Mladen Buntich Const</u> Scope: The work consists of installing approx of pipeline, including excavation and vertical shaft, and associated work. At a Glance: Estimated Percent Complete Percent Extra Work <u>Estimated Completion Date</u> Details: Bid Amount Earnings To Date	1496 ruction Co. kimately 1,580 linear feet construction of a tunnel, 99% 0% June 2006 \$5,915,000	
Specifications No. <u>Contractor: Mladen Buntich Const</u> Scope: The work consists of installing approx of pipeline, including excavation and vertical shaft, and associated work. At a Glance: Estimated Percent Complete Percent Extra Work <u>Estimated Completion Date</u> Details: Bid Amount Earnings To Date Net Extra Work To Date	1496 ruction Co. kimately 1,580 linear feet construction of a tunnel, 99% 0% June 2006 \$5,915,000 \$5,870,894	
Specifications No. <u>Contractor: Mladen Buntich Const</u> Scope: The work consists of installing approx of pipeline, including excavation and vertical shaft, and associated work. At a Glance: Estimated Percent Complete Percent Extra Work <u>Estimated Completion Date</u> Details: Bid Amount Earnings To Date Net Extra Work To Date Earnings This Month	1496 ruction Co. kimately 1,580 linear feet construction of a tunnel, 99% 0% June 2006 \$5,915,000 \$5,870,894 \$26,294	
Specifications No. <u>Contractor: Mladen Buntich Const</u> Scope: The work consists of installing approx of pipeline, including excavation and vertical shaft, and associated work. At a Glance: Estimated Percent Complete Percent Extra Work <u>Estimated Completion Date</u> Details: Bid Amount	1496 ruction Co. kimately 1,580 linear feet construction of a tunnel, 99% 0% June 2006 \$5,915,000 \$5,870,894 \$26,294 \$26,150	
Specifications No. <u>Contractor: Mladen Buntich Const</u> Scope: The work consists of installing approx of pipeline, including excavation and vertical shaft, and associated work. At a Glance: Estimated Percent Complete Percent Extra Work <u>Estimated Completion Date</u> Details: Bid Amount Earnings To Date Net Extra Work To Date Earnings This Month Net Extra Work This Month	1496 ruction Co. kimately 1,580 linear feet construction of a tunnel, 99% 0% June 2006 \$5,915,000 \$5,870,894 \$26,294 \$26,150 \$26,294	

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MONTHLY CONSTRUCTION PROGRESS REPORT

	OUTHERN CALIFORNIA	May 2006
Contract No.	1603	
Specifications No.	1506A	Weymouth Water Treatment Plant Replace Surface Wash Headers in Filter Building No. 1
Contractor: Brutoco Engineering	& Construction, Inc.	Replace currace Wash readers in Finer Building Ro. 1
Scope:	,	
The work consists of replacement of wash system in each of the 24 filters and associated work.		A TANK
At a Glance:		
Estimated Percent Complete	91%	
Percent Extra Work	4%	
Estimated Completion Date	September 2006	
Details:	•	
Bid Amount	\$3,136,400	
Earnings To Date	\$2,974,088	
Net Extra Work To Date	\$125,000	
Earnings This Month	\$362,060	Tables The ALIN
Net Extra Work This Month	\$125,000	
Contract Start	5/19/05	
Duration in Working Days	330	Equipment for blasting header pipe prior to coating operations
Contract Completion	9/8/06	phon to coating operations
	010100	
Contract No.	1605	Diemer Water Treatment Plant
Specifications No.	1513A	Administration Building Reroofing
Contractor: Best Roofing & Water	proofing, Inc.	
Scope:		
Scope: The work consists of replacement of		
Scope: The work consists of replacement of materials.		
Scope: The work consists of replacement of materials. At a Glance:	existing roofing with new	
Scope: The work consists of replacement of materials. At a Glance: Estimated Percent Complete	existing roofing with new	
Scope: The work consists of replacement of materials. At a Glance: Estimated Percent Complete Percent Extra Work	existing roofing with new 99% 0%	
Scope: The work consists of replacement of materials. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date	existing roofing with new 99% 0%	
Scope: The work consists of replacement of materials. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details:	existing roofing with new 99% 0% June 2006	
Scope: The work consists of replacement of materials. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount	existing roofing with new 99% 0% June 2006 \$161,094	
Scope: The work consists of replacement of materials. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount Earnings To Date	existing roofing with new 99% 0% June 2006 \$161,094 \$161,094	
Scope: The work consists of replacement of materials. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount Earnings To Date Net Extra Work To Date	existing roofing with new 99% 0% June 2006 \$161,094 \$161,094 \$0	
Scope: The work consists of replacement of materials. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount Earnings To Date Net Extra Work To Date Earnings This Month	existing roofing with new 99% 0% June 2006 \$161,094 \$161,094 \$0 \$0	
Scope: The work consists of replacement of materials. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount Earnings To Date Net Extra Work To Date Earnings This Month Net Extra Work This Month	existing roofing with new 99% 0% June 2006 \$161,094 \$161,094 \$0 \$0 \$0 \$0	Finished roof

* Contract accepted as substantially complete as of December 10, 2005. Punch list work remains.

2006

MWD METROPOLITAN WATER DISTRICT OF SC	DUTHERN CALIFORNIA	MONTHLY CONSTRUCTION PROGRESS REPO May 20
Contract No.	1607	
Specifications No.	1504	Diemer Water Treatment Plant Entrance Relocation, Vehicle Maintenance Center, and Solids Handling Facilities
Contractor: Brutoco Engineering	& Construction, Inc.	
Scope:		
The work consists of construction of solids dewatering facility building; a selevated solids storage hoppers; a p maintenance building; and entrance	truck loading facility; pump station; vehicle	
At a Glance:		
Estimated Percent Complete	48%	
Percent Extra Work	0%	
Estimated Completion Date	November 2006	
Details:		The second se
Bid Amount	\$29,260,000	
Earnings To Date	\$14,045,951	
Net Extra Work To Date	\$0	
Earnings This Month	\$2,872,922	and the second second second second
Net Extra Work This Month	\$0	
Contract Start	6/13/05	
Duration in Working Days	350	Construction of sludge thickener tanks in progress
Contract Completion	11/16/06	
Contract No.	1609	
Specifications No.	1483	Skinner Water Treatment Plant Oxidation Retrofit Program and Washwater Reclamation Plant No. 3
Contractor: Shimmick Construction	on/Obayashi Corp. JV	
Scope:		
The work consists of construction of treatment structures, washwater recl and liquid oxygen facilities, cooling v substation, switchgear building, and	lamation plant, chemical vater pump station, power	
At a Glance:		
Estimated Percent Complete	21%	
Percent Extra Work	0%	
Estimated Completion Date	January 2009	
Details:		
Bid Amount	\$184,650,000	

\$39,462,166

\$423,057

\$62,624

7/28/05

865

<u>1/7/09</u>

\$6,672,655

Earnings To Date

Net Extra Work To Date

Net Extra Work This Month

Duration in Working Days

Contract Completion

Earnings This Month

Contract Start

Construction of Washwater Reclamation Plant No. 3 in progress

MONTHLY CONSTRUCTION PROGRESS REPORT

METROPOLITAN WATER DISTRICT OF SOUTHERN	CALIFORNIA	May 2006
Contract No.	1610	Weymouth Water Treatment Plant
Specifications No.	1501	Weymouth Water Treatment Plant Finished Water Reservoir Roof Recoating
Contractor: CentiMark Corporation		
Scope:		
The work consists of removal and replacer roof coating system.	nent of existing	
At a Glance:		
Estimated Percent Complete	96%	
Percent Extra Work	0%	The second state and state and the second state and
Estimated Completion Date	July 2006	
Details:		
Bid Amount	\$1,440,000	
Earnings To Date	\$1,380,280	
Net Extra Work To Date	\$0	100
Earnings This Month	\$0	- Allin,
Net Extra Work This Month	\$0	
Contract Start	7/27/05	
Duration in Working Days	90	Roof recoating in progress
Contract Completion	12/25/05 *	
Contract No.	1611	
Contract No. Specifications No.	1611 1503A	Fire Protection for Remote Communication Sites
		Fire Protection for Remote Communication Sites
Specifications No.		Fire Protection for Remote Communication Sites
Specifications No. Contractor: Sabah International, Inc.	1503A pression systems, prs, and water leak	Fire Protection for Remote Communication Sites
Specifications No. <u>Contractor:</u> Sabah International, Inc. Scope: The work consists of installing gas fire sup smoke detectors, high temperature detector detectors with digital output signals at nine	1503A pression systems, prs, and water leak	Fire Protection for Remote Communication Sites
Specifications No. <u>Contractor:</u> Sabah International, Inc. Scope: The work consists of installing gas fire sup smoke detectors, high temperature detector detectors with digital output signals at nine operated by Metropolitan.	1503A pression systems, prs, and water leak microwave sites 54%	Fire Protection for Remote Communication Sites
Specifications No. <u>Contractor:</u> Sabah International, Inc. Scope: The work consists of installing gas fire sup smoke detectors, high temperature detector detectors with digital output signals at nine operated by Metropolitan. At a Glance:	1503A pression systems, ors, and water leak microwave sites	
Specifications No. <u>Contractor:</u> Sabah International, Inc. Scope: The work consists of installing gas fire sup smoke detectors, high temperature detector detectors with digital output signals at nine operated by Metropolitan. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date	1503A pression systems, prs, and water leak microwave sites 54%	
Specifications No. <u>Contractor:</u> Sabah International, Inc. Scope: The work consists of installing gas fire sup smoke detectors, high temperature detector detectors with digital output signals at nine operated by Metropolitan. At a Glance: Estimated Percent Complete Percent Extra Work	1503A pression systems, prs, and water leak microwave sites 54% 0%	
Specifications No. <u>Contractor:</u> Sabah International, Inc. Scope: The work consists of installing gas fire sup smoke detectors, high temperature detector detectors with digital output signals at nine operated by Metropolitan. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date	1503A pression systems, prs, and water leak microwave sites 54% 0%	
Specifications No. <u>Contractor:</u> Sabah International, Inc. Scope: The work consists of installing gas fire sup smoke detectors, high temperature detector detectors with digital output signals at nine operated by Metropolitan. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details:	1503A pression systems, prs, and water leak microwave sites 54% 0% June 2006	
Specifications No. <u>Contractor:</u> Sabah International, Inc. Scope: The work consists of installing gas fire sup smoke detectors, high temperature detector detectors with digital output signals at nine operated by Metropolitan. At a Glance: Estimated Percent Complete Percent Extra Work <u>Estimated Completion Date</u> Details: Bid Amount	1503A pression systems, prs, and water leak microwave sites 54% 0% June 2006 \$231,348	
Specifications No. <u>Contractor:</u> Sabah International, Inc. Scope: The work consists of installing gas fire sup smoke detectors, high temperature detector detectors with digital output signals at nine operated by Metropolitan. At a Glance: Estimated Percent Complete Percent Extra Work <u>Estimated Completion Date</u> Details: Bid Amount Earnings To Date	1503A pression systems, prs, and water leak microwave sites 54% 0% June 2006 \$231,348 \$123,931	
Specifications No. <u>Contractor:</u> Sabah International, Inc. Scope: The work consists of installing gas fire sup smoke detectors, high temperature detector detectors with digital output signals at nine operated by Metropolitan. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount Earnings To Date Net Extra Work To Date	1503A pression systems, prs, and water leak microwave sites 54% 0% June 2006 \$231,348 \$123,931 \$0	
Specifications No. <u>Contractor:</u> Sabah International, Inc. Scope: The work consists of installing gas fire sup smoke detectors, high temperature detector detectors with digital output signals at nine operated by Metropolitan. At a Glance: Estimated Percent Complete Percent Extra Work <u>Estimated Completion Date</u> Details: Bid Amount Earnings To Date Net Extra Work To Date Earnings This Month	1503A pression systems, prs, and water leak microwave sites 54% 0% June 2006 \$231,348 \$123,931 \$0 \$64,596	
Specifications No. <u>Contractor:</u> Sabah International, Inc. Scope: The work consists of installing gas fire sup smoke detectors, high temperature detector detectors with digital output signals at nine operated by Metropolitan. At a Glance: Estimated Percent Complete Percent Extra Work <u>Estimated Completion Date</u> Details: Bid Amount Earnings To Date Net Extra Work To Date Earnings This Month Net Extra Work This Month	1503A pression systems, prs, and water leak microwave sites 54% 0% June 2006 \$231,348 \$123,931 \$0 \$64,596 \$0	

* Time extension pending.

MONTHLY CONSTRUCTION PROGRESS REPORT

METROPOLITAN WATER DISTRICT OF SU	OUTHERN CALIFORNIA	May 2006
Contract No.	1612	Diemer Water Treatment Plant
Specifications No.	1528	Rehabilitate Filter Surface Wash Headers
Contractor: Norman A. Olsson C	onstruction, Inc.	
Scope:		
The work consists of replacement o main piping with stainless steel pipin refurbishment, and reinstallation of wash headers and valves; and seisn pipe supports.	ng; removal, existing filter surface	
At a Glance:		
Estimated Percent Complete	55%	
Percent Extra Work	0%	
Estimated Completion Date	September 2007	NAM
Details:		
Bid Amount	\$1,849,331	
Earnings To Date	\$1,010,719	
Net Extra Work To Date	\$0	
Earnings This Month	\$282,988	
Net Extra Work This Month	\$0	
Contract Start	10/12/05	
Duration in Working Days	479	Filters 1 through 6 are back in service
Contract Completion	9/27/07	
Contract No.	1613	Diemer Water Treatment Plant
Specifications No.	1533	Washwater Tank Pumps Replacement
Contractor: DenBoer Engineering	g & Construction, Inc.	
Scope:		BURN
The work consists of the replaceme motors, check valves, pressure india voltage motor starters.		
At a Glance:		
Estimated Percent Complete	33%	
Percent Extra Work	0%	
Estimated Completion Date	August 2006	
Details:		
Bid Amount	\$355,000	
Earnings To Date	\$118,500	
Net Extra Work To Date	\$0	
Earnings This Month	\$33,000	
Net Extra Work This Month	\$0	
Contract Start	11/9/05	
Duration in Working Days	200	Installation of variable frequency drive unit
Contract Completion	8/25/06	

MONTHLY CONSTRUCTION PROGRESS REPORT

	RN CALIFORNIA	May 2006
Contract No.	1614	
Specifications No.	1505	Diemer Water Treatment Plant Plant Maintenance Facilities
Contractor: Brutoco Engineering & Co	onstruction, Inc.	
Scope:		
The work consists of the construction of building, installation of an electrical subs and associated work.		
At a Glance:		
Estimated Percent Complete	38%	
Percent Extra Work	0%	
Estimated Completion Date	March 2007	
Details:		
Bid Amount	\$8,219,000	
Earnings To Date	\$3,149,080	
Net Extra Work To Date	\$0	and a second second
Earnings This Month	\$590,024	
Net Extra Work This Month	\$0	
Contract Start	11/9/05	
Duration in Working Days	260	Installation of conduit in electrical ductbank
Contract Completion	3/8/07	
Contract No.	1615	
Specifications No.	1526	Iron Mountain and Gene Facilities Swimming Pools Rehabilitation
Contractor: Mike's Contracting, Inc.		,
Scope:		
The work consists of the rehabilitation of	two ovicting	
swimming pools located at Iron Mountair	•	
swimming pools located at Iron Mountair Facilities. At a Glance:	•	A CONTRACT OF A
Facilities.	•	
Facilities. At a Glance:	and Gene	
Facilities. At a Glance: Estimated Percent Complete	n and Gene 78%	
Facilities. At a Glance: Estimated Percent Complete Percent Extra Work	n and Gene 78% 0%	
Facilities. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date	n and Gene 78% 0%	
Facilities. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details:	n and Gene 78% 0% June 2006	
Facilities. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount	n and Gene 78% 0% June 2006 \$183,000	
Facilities. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount Earnings To Date	n and Gene 78% 0% June 2006 \$183,000 \$143,000	
Facilities. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount Earnings To Date Net Extra Work To Date	n and Gene 78% 0% June 2006 \$183,000 \$143,000 \$0	
Facilities. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount Earnings To Date Net Extra Work To Date Earnings This Month	n and Gene 78% 0% June 2006 \$183,000 \$143,000 \$0 \$0	
Facilities. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount Earnings To Date Net Extra Work To Date Earnings This Month Net Extra Work This Month	n and Gene 78% 0% June 2006 \$183,000 \$143,000 \$0 \$0 \$0 \$0	Completed swimming pool rehabilitation at the Gene Facility

* Time extension pending.

MONTHLY CONSTRUCTION PROGRESS REPORT

MWD METROPOLITAN WATER DISTRICT OF SOUTHER	RN CALIFORNIA	MONTHLY CONSTRUCTION PROGRESS REPORT May 2006
Contract No.	1616	Skinner Water Treatment Plant
Specifications No.	1498	Expansion No. 4 Chemical Systems Modifications
Contractor: Kiewit Pacific Co.		
Scope:		
The work consists of the construction of a containment and handling facility, water or vaults, chemical tank farms, pipe gallerie utilities; installation of plant compressed associated work.	quality monitoring s, and new	
At a Glance:		
Estimated Percent Complete	23%	
Percent Extra Work	0%	Contraction of the second seco
Estimated Completion Date	June 2007	
Details:		
Bid Amount	\$109,944,000	
Earnings To Date	\$24,961,119	
Net Extra Work To Date	\$72,888	
Earnings This Month	\$4,352,565	
Net Extra Work This Month	\$19,222	
Contract Start	11/28/05	
Duration in Working Days	380	Installation of potable and fire water lines
Contract Completion	6/4/07	
Contract No.	1619	
Specifications No.	1400	Mills Water Treatment Plant Main Entrance Road Realignment and Perimeter Landscaping
Contractor: Mega Way Enterprises		
Scope:		
The work consists of constructing a new guard station, new fencing, and landscap		
At a Glance:		The second se
Estimated Percent Complete	3%	and a second and a s
Percent Extra Work	0%	
Estimated Completion Date	July 2007	and the second s
Details:		
Bid Amount	\$3,295,000	
Earnings To Date	\$92,950	
Net Extra Work To Date	\$0	the second second second second
Earnings This Month	\$0	
Net Extra Work This Month	\$0	
Contract Start	1/25/06	
Duration in Working Days	365	Trenching for landscape irrigation piping along Allesandro Boulevard
Contract Completion	7/2/07	

MONTHLY CONSTRUCTION PROGRESS REPORT

May 2006

		May 2006
Contract No.	1620	Diemer Water Treatment Plant
Specifications No.	1495	Chemical System Upgrades
Contractor: Brutoco Engineering &	Construction, Inc.	
Scope:		
The work consists of demolition of exis reclamation facility; construction of sul storage system and three other chemi and installation of chemical trenches a	furic acid feed and cal storage tanks;	
At a Glance:		
Estimated Percent Complete	21%	
Percent Extra Work	0%	
Estimated Completion Date	January 2007	
Details:		
Bid Amount	\$13,960,000	
Earnings To Date	\$2,955,800	
Net Extra Work To Date	\$0	
Earnings This Month	\$1,028,610	
Net Extra Work This Month	\$0	
Contract Start	1/13/06	
Duration in Working Days	270	Installed shoring system
Contract Completion	1/24/07	
Contract No.	1623	
Specifications No.	1540	Foothill Feeder Carbon Fiber Liner Repairs
Contractor: Fibrwrap Construction,	Inc.	
Scope:		
The work consists of installing layers of reinforcing liner to the interior surface Feeder at two locations.		
At a Glance:		
Estimated Percent Complete	9%	
Percent Extra Work	0%	
Estimated Completion Date	May 2006 *	
Details:		
Bid Amount	\$1,250,000	
Earnings To Date	\$116,541	
Net Extra Work To Date	\$0	
Earnings This Month	\$0	
Net Extra Work This Month	\$0	
Contract Start	1/30/06	
Duration in Working Days	80	An example of carbon-fiber reinforcing liner
Contract Completion	5/19/06 *	

* Time extension pending. Project deferred until the 2006/2007 shutdown period.

MONTHLY CONSTRUCTION PROGRESS REPORT

MWD METROPOLITAN WATER DISTRICT OF SOU	UTHERN CALIFORNIA	
Contract No.	1625	May 2006
Specifications No.	1527	Jensen Water Treatment Plant Elevator Rehabilitation
Contractor: Excel Elevator Service		Elevator Rehabilitation
Scope:	50, mo.	
The work consists of complete mode rehabilitation of the elevator at the Je Building.		
At a Glance:		and the second s
Estimated Percent Complete	0%	
Percent Extra Work	0%	
Estimated Completion Date	October 2006	
Details:		
Bid Amount	\$98,500	
Earnings To Date	\$0	
Net Extra Work To Date	\$0	
Earnings This Month	\$0	
Net Extra Work This Month	\$0	
Estimated Contract Start	5/8/06	
Duration in Working Days	110	Existing elevator ccontrol panel to be replaced
Estimated Contract Completion	10/11/06	
Contract No	1626	
Contract No.		Diamond Valley Lake East Recreation Area
Specifications No.	1553	Landscaping and Signage Improvements, Phase 1
Contractor: Sunrise Landscape Co Scope:	D., INC.	
The work consists of landscape and improvements in the Diamond Valley Area.		
At a Glance:		
Estimated Percent Complete	51%	
Percent Extra Work	0%	
Estimated Completion Date	October 2006	
Details:		No. No. C.
Bid Amount	\$1,963,700	
Earnings To Date	\$993,920	
Net Extra Work To Date	\$0	A state of the sta
Earnings This Month	\$345,980	
Net Extra Work This Month	\$0	
Contract Start	3/9/06	
Duration in Working Days	140	Installation of trees and plants along Searl Parkway
Contract Completion	10/25/06	

MONTHLY CONSTRUCTION PROGRESS REPORT

METROPOLITAN WATER DISTRICT OF SC	OUTHERN CALIFORNIA	MONTHET CONSTRUCTION PROGRESS REPORT
Contract No.	1627	
Specifications No.	1531	Diamond Valley Lake East Recreation Area Searl Parkway Improvements, Phase 2
Contractor: Griffith Company		Searr Farkway improvements, Flase 2
Scope:		
The work consists of grading and co roadway, drainage channel, and ass		
At a Glance:		ATT T
Estimated Percent Complete	6%	The second se
Percent Extra Work	0%	- CALLER AND A REAL FOR
Completion Date	January 2007	
Details:		
Bid Amount	\$6,242,068	
Earnings To Date	\$404,650	A A A A A A A A A A A A A A A A A A A
Net Extra Work To Date	\$0	A A A A A A A A A A A A A A A A A A A
Earnings This Month	\$404,650	AN PULLER POR
Net Extra Work This Month	\$0	i will a start and a start and
Contract Start	3/27/06	
Duration in Working Days	180	Sewer line excavation along the road alignment
Contract Completion	1/9/07	
Contract No.	1628	
Specifications No.	1517	Mills Water Treatment Plant Chemical System Upgrades
Contractor: J. R. Filanc Construct Scope:	ion co., inc.	
The work consists of construction of containment facility including truck u storage buildings, evaporator room, chlorine scrubber areas.	nloading and acid	
At a Glance:		
Estimated Percent Complete	1%	
Percent Extra Work	0%	
Estimated Completion Date	October 2007	VOLUO
Details:		
Bid Amount	\$19,914,600	
Earnings To Date	\$218,250	
Net Extra Work To Date	\$0	
Earnings This Month	\$218,250	
Net Extra Work This Month	\$0	the state of the second s
Contract Start	5/2/06	
Duration in Working Days	360	Demolition of existing chemical tank farm
Contract Completion	10/4/07	

MONTHLY CONSTRUCTION PROGRESS REPORT

METROPOLITAN WATER DISTRICT OF SOU	THERN CALIFORNIA	May 2006
Contract No.	1629	
Specifications No.	1558	Desert Pavement Maintenance Project
Contractor: Copp Contracting, Inc.		
Scope:		
The work consists of application of as sealant over existing asphalt concrete		
At a Glance:	pavement.	
Estimated Percent Complete	100%	
Percent Extra Work	0%	
Completion Date	May 2006	
Details:		
Bid Amount	\$206,358	
Earnings To Date	\$236,682 *	
Net Extra Work To Date	\$0	
Earnings This Month	\$236,682	
Net Extra Work This Month	\$0	
Contract Start	5/2/06	
Duration in Working Days	30	Completed asphalt sealant and striping of Intake Pump Road
Actual Contract Completion	5/30/06	
Contract No.	1630	
Contract No. Specifications No.	1630 1522	Magazine Canyon Canopy
	1522	Magazine Canyon Canopy
Specifications No.	1522	Magazine Canyon Canopy
Specifications No. Contractor: C. J. Tech Construction	1522 n Inc. a new metal canopy;	Magazine Canyon Canopy
Specifications No. <u>Contractor:</u> C. J. Tech Construction Scope: The work consists of construction of a removing existing protruding reinforcing	1522 n Inc. a new metal canopy;	Magazine Canyon Canopy
Specifications No. <u>Contractor:</u> C. J. Tech Construction Scope: The work consists of construction of a removing existing protruding reinforcing installing new guardrail.	1522 n Inc. a new metal canopy;	Magazine Canyon Canopy
Specifications No. <u>Contractor:</u> C. J. Tech Construction Scope: The work consists of construction of a removing existing protruding reinforcing installing new guardrail. At a Glance:	1522 n Inc. a new metal canopy; ng steel bars and	Magazine Canyon Canopy
Specifications No. Contractor: C. J. Tech Construction Scope: The work consists of construction of a removing existing protruding reinforcia installing new guardrail. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date	1522 n Inc. a new metal canopy; ng steel bars and 0%	Magazine Canyon Canopy
Specifications No. <u>Contractor:</u> C. J. Tech Construction Scope: The work consists of construction of a removing existing protruding reinforcial installing new guardrail. At a Glance: Estimated Percent Complete Percent Extra Work	1522 n Inc. a new metal canopy; ng steel bars and 0% 0%	Magazine Canyon Canopy
Specifications No. Contractor: C. J. Tech Construction Scope: The work consists of construction of a removing existing protruding reinforcial installing new guardrail. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount	1522 n Inc. a new metal canopy; ng steel bars and 0% 0%	Magazine Canyon Canopy
Specifications No. <u>Contractor:</u> C. J. Tech Construction Scope: The work consists of construction of a removing existing protruding reinforcial installing new guardrail. At a Glance: Estimated Percent Complete Percent Extra Work <u>Estimated Completion Date</u> Details:	1522 n Inc. a new metal canopy; ng steel bars and 0% 0% August 2006 \$144,000 \$0	Magazine Canyon Canopy
Specifications No. Contractor: C. J. Tech Construction Scope: The work consists of construction of a removing existing protruding reinforcial installing new guardrail. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount	1522 n Inc. a new metal canopy; ng steel bars and 0% 0% August 2006 \$144,000	
Specifications No. Contractor: C. J. Tech Construction Scope: The work consists of construction of a removing existing protruding reinforcial installing new guardrail. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount Earnings To Date	1522 n Inc. a new metal canopy; ng steel bars and 0% 0% August 2006 \$144,000 \$0	
Specifications No. Contractor: C. J. Tech Construction Scope: The work consists of construction of a removing existing protruding reinforcial installing new guardrail. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount Earnings To Date Net Extra Work To Date	1522 n Inc. a new metal canopy; ng steel bars and 0% 0% August 2006 \$144,000 \$0 \$0 \$0 \$0 \$0 \$0	<section-header></section-header>
Specifications No. Contractor: C. J. Tech Construction Scope: The work consists of construction of a removing existing protruding reinforcial installing new guardrail. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount Earnings To Date Net Extra Work To Date Earnings This Month	1522 n Inc. a new metal canopy; ng steel bars and 0% 0% August 2006 \$144,000 \$0 \$0 \$0	
Specifications No. Contractor: C. J. Tech Construction Scope: The work consists of construction of a removing existing protruding reinforcial installing new guardrail. At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount Earnings To Date Net Extra Work To Date Earnings This Month Net Extra Work This Month	1522 n Inc. a new metal canopy; ng steel bars and 0% 0% August 2006 \$144,000 \$0 \$0 \$0 \$0 \$0 \$0	

* Difference due to variations in estimated quantities of unit priced items.



MONTHLY CONSTRUCTION PROGRESS REPORT

May 2006

		May 200
Contract No.	1631	Diemer Water Treatment Plant Site Preparation
Specifications No.	1535	for Oxidation Retrofit Program
Contractor: Kiewit Pacific Co.		
Scope:		
The work consists of demolition of underground fuel tanks, and steel p more than 3,000 feet of steel pipe, remote transmitting unit, LPG tank systems, and associated work.	pipelines; installation of motor control center,	
At a Glance:		
Estimated Percent Complete	1%	
Percent Extra Work	0%	
Completion Date	February 2008	
Details:	· · · · · · · · · · · · · · · · · · ·	Contraction of the second s
Bid Amount	\$70,516,455	the second se
Earnings To Date	\$693,000	
Net Extra Work To Date	\$0	and a second sec
Earnings This Month	\$693,000	
Net Extra Work This Month	\$0	
Contract Start	5/15/06	
Duration in Working Days	445	Temporary stockpile area at future oxidation retrofit site
Contract Completion	2/20/08	
Contract No.	1632	Weymouth Water Treatment Plant
Specifications No.	1518A	Chemical System Upgrades
Contractor: Brutoco Engineering	g and Construction, Inc.	
Scope:		
The work consists of construction of unloading, storage and injection fa	of fluorocilicic acid	
canopies, and associated work.		
canopies, and associated work. At a Glance:		-
At a Glance:	cilities, steel roof	
At a Glance: Estimated Percent Complete	cilities, steel roof	
At a Glance: Estimated Percent Complete Percent Extra Work	cilities, steel roof 0% 0%	
At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date	cilities, steel roof 0% 0%	
At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details:	cilities, steel roof 0% 0% November 2007	
At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount	cilities, steel roof 0% 0% November 2007 \$3,985,000 \$0	
At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount Earnings To Date Net Extra Work To Date	cilities, steel roof 0% 0% November 2007 \$3,985,000 \$0 \$0	
At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount Earnings To Date Net Extra Work To Date Earnings This Month	cilities, steel roof 0% 0% November 2007 \$3,985,000 \$0 \$0 \$0	
At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount Earnings To Date Net Extra Work To Date Earnings This Month Net Extra Work This Month	cilities, steel roof 0% 0% November 2007 \$3,985,000 \$0 \$0 \$0 \$0 \$0	
At a Glance: Estimated Percent Complete Percent Extra Work Estimated Completion Date Details: Bid Amount Earnings To Date Net Extra Work To Date Earnings This Month	cilities, steel roof 0% 0% November 2007 \$3,985,000 \$0 \$0 \$0	Image: control of the product of th