

**DISTRICT ENGINEER'S REPORT**  
**October 27, 2006**

TO: PBCSD Board of Directors

FROM: Michael Niccum, District Engineer

SUBJECT: **Utilities Operations and Maintenance  
Report for 9/22/06 to 10/19/06**

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**1. SUMMARY OF MAINTENANCE ACTIVITY:**

The maintenance department provided manpower, equipment and contractor coordination to support a major emergency repair effort to replace approximately 260 feet of the main 12 inch reclamation water line located at the "Four Corners" intersection of 17-Mile Drive and Sloat Road. The maintenance department recently put into service and is maintaining 4 new traffic speed indicator radar units, which they also move and setup at multiple locations in the Del Monte Forest. The maintenance department also coordinated a potable (fresh) water flush to the golf courses from Oct 11<sup>th</sup> to Oct 18<sup>th</sup>, painted the exterior of Pump Station P-5, repaired Boardroom lighting, mixed (stirred) the wet well at Spanish Bay, are monitoring the contractor's progress on the 2006 sewer replacement project and added new piping fittings to facilitate oil changes on the Forest Lake chlorinator feed pumps. Three older pieces of maintenance equipment were sold as surplus; Utility Truck PB-4, Televising Van PB-3 and a portable generator. The engineering assistant attended an Environmental Compliance Workshop sponsored by the Monterey County Health Department concerning underground fuel storage tank (UST) regulations.

**2. WASTEWATER FLOW MEASUREMENTS:**

An average daily wastewater flow of 518,000 gallons per day (gpd) was measured at the PBCSD Carmel gate flow metering station in September, which represents 29 % of the total flow of 1,805,000 gpd measured at the CAWD treatment plant. The measured PBCSD flow is 2 % below the five-year average of 529,000 gpd for September and the CAWD total flow is 4 % above the five-year average of 1,739,000 gpd for September. A chart showing the quantity of PBCSD wastewater flow recorded during the month of September and a graph showing average daily wastewater flows from PBCSD and the CAWD treatment plant for the past twelve months as well as the five-year average for each month is attached.

**3. RECYCLED WATER USE:**

Total irrigation water demand for the 2005-06 water year (October 1 to September 30) was 920 acre-feet including 768 acre-feet or 84 % of recycled water. Total demand for the water year was 5 % below the 11-year average usage of 968 acre-feet. Approximately 146 acre-feet of potable water were used in flushing cycles during the past water year, which accounts for 96 % of the total potable water use of 152 acre-feet. The October flushing cycle used 20 acre-feet of potable water.

Two attached charts show the total water and potable water usage recorded on a daily basis for September and October to date. Two additional charts and a graph summarize total, recycled and potable water usage on a monthly basis for the 2005-06 water year and for the previous eleven water years.

Approximately 69 million gallons or 212 acre-feet of recycled water is currently stored in Forest Lake Reservoir, which represents 66 % of the permitted capacity of 105 million gallons. A chart showing the volume of storage for the current irrigation season is attached.

**4. RESIDENT COMPLAINTS & REQUESTS:**

Pebble Beach Golf Links maintenance personnel reported sewage overflowing on a sewer main line on the 12<sup>th</sup> fairway. Maintenance crews responded and removed a broken piece of concrete which caused a minor sanitary sewer stoppage.

**5. SEWER LINES TV INSPECTIONS:**

The maintenance department televised sewer lines using the new televising truck at the following locations.

<b>DATE</b>	<b>LINE FOOTAGE</b>	<b>DESCRIPTION</b>
10/10/06	126 Feet	Rodeo Rd
10/10/06	112 Feet	Cormorant Rd
10/10/06	565 Feet	Seagull Rd

**6. SOURCE CONTROL:**

The maintenance department inspected grease interceptors at the Inn at Spanish Bay, the Spanish Bay clubhouse, the Lodge, Club XIX and the Beach Club and notified the Pebble Beach Company several units required maintenance.

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**7. SEWER LINES CLEANING:**

Lines were cleaned by the maintenance department using the combination line cleaning/vacuum truck at the following locations in the Country Club Gate neighborhood.

	<b>DATE</b>	<b>FOOTAGE</b>	<b>DESCRIPTION</b>
	9/12/06	3,030 Feet	Ortega Road
	9/13/06	5,607 Feet	Sunset Lane, Post Office Rd, Congress Road, 17-Mile Drive and Signal Hill
	9/21/06	2,019 Feet	Raccoon Trail, Forest Lodge Road
	9/26/06	2,853 Feet	Majella Rd, Forest Lodge Road
	10/11/06	3,365 Feet	Ortega Road
	10/12/06	3,732 Feet	Ortega Road, Forest Lodge Rd, Sloat Rd, Oak Knoll Road
<b>TOTAL FOR THIS PERIOD</b>		<u>20,606 Feet</u>	
<b>TOTAL PBCSD LINES</b>		405,000 Feet	
<b>PERCENTAGE CLEANED</b>		5 %	

**8. SEWER CONNECTION PERMITS/INSPECTIONS:**

<b>DATE</b>	<b>ADDRESS</b>	<b>DESCRIPTION</b>
9/29/06	1064 The Old Drive APN: 007-232-006	Permit # 2902 to replace lateral Owner: Paul West
9/29/06	1658 Crespi Lane APN: 008-392-007	Permit # 2903 new guest house Owner: James Jordan
10/4/06	1088 Lariat Lane APN: 007-413-004	Permit # 2899 to replace lateral Owner: Greg Gregersen
10/5/06	3381 Laureles Lane APN: 008-293-021	Permit # 2904 new SFR Owner: Robert Kelly
10/13/06	2964 Quarry Road APN: 007-224-001	Permit # 2905 to replace lateral Owner: CW Design & Development

**9. PLAN CHECKS FOR NEW SERVICE CONNECTIONS:**

<b>DATE</b>	<b>ADDRESS</b>	<b>DESCRIPTION</b>
9/22/06	1658 Crespi Lane APN: 008-392-007	New Caretaker Unit Owner: Jim & Susan Jordan
10/10/06	3157 Palmero Way APN: 008-213-014	New Caretaker Unit Owner: Scott Naylor
10/13/06	3930 Ronda Rd APN: 008-222-001	New Senior Citizen Unit Owner: Frank Hevrdejs

**10. PLAN CHECKS FOR ADDITIONS/REMODELING:**

<b>DATE</b>	<b>ADDRESS</b>	<b>DESCRIPTION</b>
10/10/06	1488 Bonifacio Lane 5,624 SF Addition APN: 008-341-027	Owner: Sergio Alvarez
10/11/06	3058 Strawberry Hill Rd APN: 007-452-002	1,230 SF Addition Owner: Steven McLaughlin
10/11/06	3048 Valdez Rd APN: 007-302-008	520 SF Addition Owner: David & Maureen Lyon
10/11/06	1230 Silver Court APN: 008-533-007	959 SF Addition Owner: Graeme & Judy MacKenzie
10/11/06	4144 Sunset Lane APN: 008-073-004	3,842 SF Demo/Remodel Owner: Ted & Sandra Johnston
10/11/06	3164 Palmero Way APN: 008-341-016	7,369 SF Demo/Remodel Owner: Hudson & Masteneh Brett
10/13	952 Sand Dunes Rd APN: 007-252-015	2,375 SF Demo/Remodel Owner: Aisha Krechuniak

**11. UNDERGROUND SERVICE ALERT CALLS:**

During this period, the maintenance crew marked sewer or recycled water lines at the following locations in response to underground service alert (USA) calls. Contractors or other utilities are required to contact the USA system prior to performing construction activities that involve trenching or other underground work. The system is designed to provide underground utility locations to the contractor so that the construction work can be completed without damaging the existing utility lines. The District identifies the location of wastewater lines with green paint and recycled water lines with purple paint.

<b>DATE</b>	<b>LOCATION</b>
9/22/06	Sloat Road / 17 Mile Drive
9/28/06	2973 Bird Rock Road, 2935 Bird Rock Road
9/29/06	2881 Rancho Road
10/3/06	1477 Bonifacio Road
10/3/06	2906 17 Mile Drive
10/3/06	1043 & 1047 Mission Road
10/4/06	1088 Lariat Lane
10/4/06	Ocean Road (from Valdez Road to Whalers Way)
10/5/06	1024 Majella Road
10/5/06	1039 - 1078 Ortega Road
10/5/06	Intersection: Congress Road & Presidio Road
10/5/06	Intersection: Sawmill Gulch Road & Congress Road
10/5/06	1100 Arroyo Drive
10/5/06	2984, 2939 and 2935 Sloat Road
10/5/06	2930 Stevenson Drive
10/5/06	2952 Peisano Road
10/5/06	3028-3024 Cormorant Road
10/5/06	2996-2992 Cormorant Road
10/5/06	Rodeo Road and Vaquero Road
10/6/06	1055 Laurel Lane, 3200 Palmero Way
10/9/06	4175-4151 Sunset Lane, 4113-4133 Sunridge Road
10/12/06	2964 Quarry Road
10/13/06	1418 Viscaino Road

Attachments: Wastewater Charts (2)  
Recycled Water Use Charts (4)  
Forest Lake Reservoir Storage Chart (1)

Agenda Item No. 10