



Winter 2002 Edition

ESP UPDATE



The Emergency Storage Project is a system of reservoirs, interconnected pipelines and pumping stations designed to make water available to the San Diego region in the event of an interruption in imported water deliveries.

The Emergency Storage Project is part of the San Diego County Water Authority's Capital Improvement Program to enhance and increase the operational flexibility of its water delivery system.

This newsletter is one way the San Diego County Water Authority is keeping communities like yours informed about the project's progress.

For more information, please call toll-free (877) 426-2010 or visit our Web site at www.sdcwa.org



San Diego County Water Authority
Capital Improvement Program

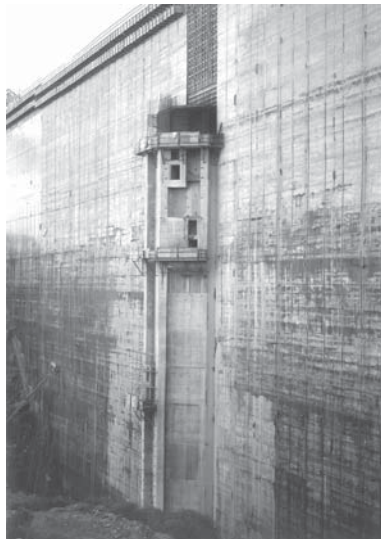
Olivenhain Dam Reaches New Heights

Roller-compacted concrete operations on the Olivenhain Dam were completed Oct. 31, several months ahead of schedule. Beginning in April 2002, more than 1.4 million cubic yards of roller-compacted concrete was placed continuously on the main section of the dam, resulting in an average of two feet of progress every 24 hours. More than 2.8 million cubic yards of granite was quarried on-site and mixed with water, imported flyash and cement to form the concrete used for this process. The early completion



The Olivenhain Dam at 318 feet high and 2,552 feet long.

of this phase of construction is attributed in part to smooth operation of the construction equipment, minimal weather impacts, strong project management and teamwork.



Construction progresses on the dam's inlet-outlet tower.

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Although roller-compacted concrete placement is complete, there is ongoing activity at the Olivenhain Dam site. The temporary traffic signal at Harmony Grove Road and Via Ambiente will be removed in May 2003, coinciding with the completion of the dam. The dam's inlet-outlet tower is currently under construction. The inlet-outlet tower will be the same height as the dam and will have six

Environmental Scoping Meetings Set for the San Vicente Pipeline

With the San Vicente Pipeline scheduled for construction from mid-2004 to late 2007, the project team continues to move through the design phase.

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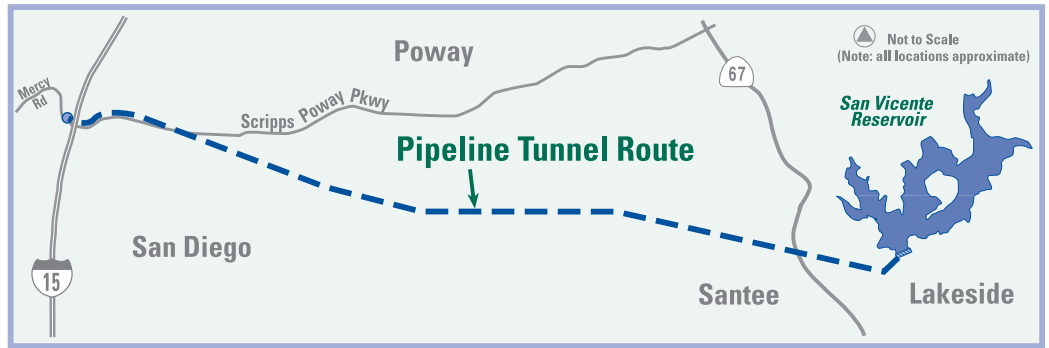
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The pipeline will span 11 miles from the San Vicente Dam in Lakeside to the Second Aqueduct just west of I-15 at Mercy Road.

The design process identifies specific construction elements such as the pipeline route, tunnel depth, shaft locations and truck access routes.

At the same time, the Water Authority is preparing a Subsequent Environmental Impact Report. The purpose of the Subsequent EIR is to evaluate elements of the project that have changed since the Emergency Storage Project's EIR was certified in 1997.




San Vicente Pipeline Tunnel Alignment

Community members are encouraged to attend the workshop and scoping meetings to gain a greater understanding of the project and offer comments to project staff. A public workshop/

open house in Poway will be held during the second week of January to provide more information on the project. The following week, two environmental scoping meetings will be held to receive comments on the scope of the Subsequent EIR. During a 30-day review period the Water Authority will also accept written comments from the public about what issues should be included in the Subsequent EIR. Public

and agency comments received during the scoping process will assist the project team in determining the scope of the environmental study.

More information regarding the Subsequent EIR and the scoping meetings can be found on the Water Authority's Web site at www.sdcwa.org or by calling the Emergency Storage Project information line at (877) 426-2010. The Subsequent Draft EIR is scheduled to be available mid-2003 and the final report in fall 2003. The Water Authority will continue to provide project updates to communities along the San Vicente Pipeline route throughout the design and construction of the pipeline. 

Public and agency comments received during the scoping process will assist the project team in determining the scope of the environmental study.

San Vicente Pipeline Upcoming Events

Workshop

- **Tuesday, Jan. 14, 7 p.m.**
Valley Elementary School
13000 Bowron Road, Poway

Scoping Meetings

- **Tuesday, Jan. 21, 7 p.m.**
Valley Elementary School
Multipurpose Room
13000 Bowron Road, Poway
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- **Thursday, Jan. 23, 7 p.m.**
Lakeside Community Center
Auditorium
9841 Vine Street, Lakeside

DAM *continued from page 1*

gates to regulate the flow of water in and out of the reservoir. It is the only part of the dam made with conventional concrete and rebar, with one ton of steel for every foot of the structure. Two feet of conventional concrete will also be placed on the top of the dam to create a maintenance road.

Since the contractor has completed roller-compacted concrete operations, cleaning has begun to prepare the downstream face to be colored with a desert-colored varnish.

During the environmental process for the Olivenhain Dam, the community suggested the downstream face of the dam should be colored to blend in with the natural environment.

On the upstream side of the dam, a plastic-like liner is being installed. Called a Carpi liner, this PVC membrane liner will cover the entire backside of the dam and will prevent water


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The inlet-outlet tower will be the same height as the dam and have six gates to regulate the flow of water in and out of the reservoir.

Riparian Work in Escondido Creek

As part of the Water Authority's mitigation efforts for the Emergency Storage Project, riparian work will be conducted in Escondido Creek beginning in April 2003. The goal of the project is to remove invasive exotic plants such as eucalyptus trees that displace native species on 95 acres of habitat in Escondido Creek.

Project team access to the site will be along the city of Escondido sewer road, with some access on Harmony Grove Road and Via Ambiente. No trails in the Elfin Forest Recreational Reserve will be permanently closed during this project, but temporary closures may be necessary where work is taking place. During clearing, five truck trips a day will be needed to haul trees and brush. The team will maintain a water supply or water truck on-site during clearing for fire control. This section of Escondido Creek will be monitored and maintained for five years after clearing.


This effort is being closely coordinated with the Escondido Creek Conservancy and the Olivenhain Municipal Water District to ensure continuity of mitigation work conducted by the three organizations in the Elfin Forest area. 

Construction Begins on the Olivenhain Pump Station

Since the Olivenhain Reservoir is not built on a stream or river like many other dams, a pump station is needed to bring water in and out of the reservoir. The Olivenhain Pump Station will provide emergency water from the Olivenhain Reservoir to the county by pumping water north through a pressurized pipeline and then allowing it to flow south by gravity.

The functions of the Olivenhain Pump Station are to fill and drain the Olivenhain Reservoir by gravity and pumping, provide untreated water to Olivenhain Municipal Water District's water treatment plant and provide water to the Olivenhain 8 Flow Control Facility.

The Olivenhain 8 Flow Control Facility, currently under construction, will meter all water drawn from the Olivenhain Reservoir by Olivenhain Municipal Water District to treat and distribute to its customers.

Work on the pump station began in September 2002 and is expected to be complete by December 2003. 



Site view of pump pads at the Olivenhain Pump Station.



DAM *continued from page 3*

seepage. The liner is an additional precaution should an earthquake create hairline cracks in the dam. Installation of




The entire upstream side of the dam will be covered with the Carpi liner.

Crews have excavated 420 feet of the pipeline's tunnel on the Olivenhain side. This tunnel is 12 feet in diameter and will eventually connect to the future 1.5-mile pipeline between the

the liner will take up to six months.

Preliminary work on the Lake Hodges connection is almost complete.

Olivenhain Reservoir and Lake Hodges. Two gates and an airlock were installed at the end of this section of the tunnel at the Olivenhain Reservoir to keep water out of the tunnel until construction resumes in 2006. 

For more
information

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about the San Diego County Water Authority's
Emergency Storage Project, please call (877) 426-2010
or visit our Web site at: www.sdcwa.org.

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**San Diego County
Water Authority
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The San Diego County Water Authority is a public agency serving the San Diego region as a wholesale supplier of water imported from the Colorado River and Northern California. The agency works through its 23 member agencies to provide a safe, reliable water supply to nearly three million San Diego County residents.