

West Orange County Water Board

General Manager, Engineer, Secretary, Fiscal Agent

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TO: Board of Directors

FROM: Brian A. Ragland, General Manager

SUBJECT: OC-9 AND OC-35 CHLORINE RESIDUAL AND NITRIFICATION PROBLEMS

From late July to early October, MWD was performing repair work on their "Second Lower Feeder" and "Orange County Feeder", which required them to shut down the two large diameter transmission mains. The shutdowns changed the route and increased the time that their imported water takes to get from the Diemer Filtration Plant in Yorba Linda to our two WOCWB turnouts in Stanton.

On July 28, the Huntington Beach Water Quality Section staff noticed a drop in the chlorine residual and an increase in the nitrification levels at the turnouts. Water Quality staff worked with representatives from the Municipal Water District of Orange County (MWDOC) and MWD water quality managers to identify the cause of the changes in water quality and ultimately a solution to improve the situation.

Huntington Beach staff worked with the water departments from Seal Beach, Westminster and Garden Grove to keep them informed of the changes that MWD was making as to the source of their treated water and increases to their chlorine levels, to ensure that all agencies were aware of the water quality being received until the MWD feeders were put back into service.