

**CITY OF HUNTINTON BEACH
 ADDITIONAL COMMENTS
 BOLSA CHICA WATER TRANSMISSION LINE AND WASTEWATER SERVICE
 PROJECT
 DRAFT SUPPLEMENTAL ENVIRONMENTAL IMPACT REPORT
 January 20, 2000**

The following are additional comments from the City of Huntington Beach regarding the Bolsa Chica Draft EIR. Please note that these comments are in addition to the letter already submitted by Ron Van Blarcom's office. If you have any questions, please contact Wendy Nowak, Assistant Planner at (714) 374-1683.

- Page ES-1, Will the soil bearing capacity allow for the underground water storage reservoir to be buried? | 9-1
- Page ES-3, Table ES-1, AWWA requires 48-inches of cover typically for an 18" water line. | 9-2
- Page ES-3, Table ES-1, statement concerning, "Water Supplier/Source" - this is available under normal conditions not in emergencies. | 9-3
- Page ES-4 statement concerning, "with reliable, long-term domestic water supply" - this is only in normal condition, but will this be available during an emergency? | 9-4
- Page B-5, statement concerning, "...there were more than 40,000 active customers in Orange County district..." - this number is not consistent with the CPUC application of 25,526. If this number was applied to the application, it would show a deficiency of 9,218 gpm. | 9-5
- Page B-7, Figure B-3, the picture shows a gate valve not butterfly valve and it would be a flanged valve not a push-on. | 9-6
- Page B-9, statement concerning, "The water main has a maximum flow of 750 gpm" - will this be enough to supply this development? The 12-inch line does not appear to be able to supply the demand requirements. | 9-7
- Page B-9, statement concerning, "... including the proposed Bolsa Chica Planned Community is 30,262 gpm" - the infrastructure will not support this (ie, 12-inch water line). Can this meet fire department's requirements? | 9-8
- Page B-15, segment 9 will conflict with an existing storm drain. | 9-9
- Page B-16, statement concerning, "The fire flow requirement is 3000 gpm/4 hours" is not consistent with Page B-9. | 9-10
- Page B-18, statement concerning, "The reservoir (4 MG) can be filled in 41 hours at a rate of 1,632 gpm" - this rate cannot be met and provide domestic demand. | 9-11

RESPONSES TO THE CITY OF HUNTINGTON BEACH

Additional Staff Comments (the City's initial set of comments were attached to the letter from Van Blarcom, Leibold, McClendon & Mann – see Comment Set 8 preceding)

Facsimile Received January 20, 2000

- 9-1 Soil bearing capacity at the proposed underground water storage reservoir was not determined as a site-specific geotechnical design parameter for the Draft SEIR. It is likely that the granular soil found on the mesa will provide adequate bearing capacity. The bearing capacity and other soil engineering properties will be determined by geotechnical investigations conducted as part of the implementation of Mitigation Measures G-1 – G-4.
- 9-2 Southern California Water Company standards call for a minimum of 35 inches of cover. The pipeline design provides 42 inches of minimum cover.
- 9-3 Noted.
- 9-4 Emergencies challenge all utility systems – existing and proposed. The proposed water line incorporates a number of features for emergency response and continuous supply. These are described throughout the Draft SEIR.
- 9-5 The SCWC application observes that “there are 40,118 active customers in the Orange County District” and that “25,526 customers are within the Los Alamitos CSA.” Therefore there is no anomaly in the number of customers being served or in the quantity of water required.
- 9-6 Thank you for this information, Figure B-3 has been corrected.
- 9-7 The elements of the proposed water system for the Bolsa Chica Planned Community are: (i) an *18-inch* water transmission line; (ii) a groundwater well providing a supplemental water source; and (iii) a 4.0 mg reservoir providing operational storage requirements and fire flow capacity. The system has been sized to meet demand requirements. Please note that only the water transmission line is part of the project examined in the SEIR. Permits from the CPUC are not required for the other components of the water system.
- 9-8 The proposed water system for the Bolsa Chica Planned Community has been sized to meet emergency fire flow requirements. The ‘infrastructure’ providing fire flow requirements includes the proposed water transmission line, *as well as* the proposed on-site reservoir that will provide operational storage, and additional *fire flow capacity*.
- 9-9 Noted.
- 9-10 The text of the document has been corrected.
- 9-11 The *Plan of Works Report for Water and Wastewater* prepared by IWA Engineers (1998, pp 3-12) and submitted by the SCWC in support of its application provides the information about the rate at which the reservoir can be filled. The analysis prepared by the Applicant has been reviewed and corroborated by the hydrologists involved in the preparation of the Draft SEIR for the CPUC. As the Draft SEIR observes, the reservoir can be filled at a rate of 1,632 gpm.