



Memorandum

**TO: PATRICK BROWN, PROJECT PLANNER**  
**FROM:** Jim Bennett, Groundwater Geologist  
**SUBJECT:** Groundwater I.S. Responses and GW Ordinance Findings;  
Project Number P09-008  
**DATE:** March 15, 2010

Patrick,

The use of groundwater from the JCSD constitutes a “Groundwater Extraction Operation” as defined in the County Zoning Ordinance. Therefore, the JCSD will require obtaining a separate Major Use Permit to sell the groundwater to this project. The findings below have been made on the environmental impacts associated with utilizing groundwater from the JCSD.

**Initial Study:**

d) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?

- |   |  |
|---|--|
| <input type="checkbox"/> Potentially Significant Impact                     | <input checked="" type="checkbox"/> Less than Significant Impact |
| <input type="checkbox"/> Less Than Significant With Mitigation Incorporated | <input type="checkbox"/> No Impact                               |

Discussion/Explanation:

**Less Than Significant Impact:** The project will obtain its water from an off-site groundwater well owned by the Jacumba Community Services District (JCSD) located approximately 4.5-miles west of the site. The well is occasionally used by the JCSD for non-potable purposes. A total of 780,000 gallons of groundwater is anticipated to be imported to the site over a six month period. A 24-hour well test conducted by Fain Drilling on April 24, 2003, which produced approximately 759,000 gallons of water, indicates the well is capable of producing approximately 600 gallons per minute. The project’s production rate from the well over a six month period would average approximately 1.5 gallons per minute. Impacts to groundwater supplies are considered to be less than significant since the amount of drawdown projected

from the anticipated rate of pumping is estimated to be less than 0.5 feet in the closest actively used well in the community of Jacumba.

**XVI. UTILITIES AND SERVICE SYSTEMS** -- Would the project:

d.) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?

- Potentially Significant Impact
- Potentially Significant Mitigation Incorporated
- Less than Significant Impact
- Unless  No Impact

The project will obtain its water from an off-site groundwater well owned by the Jacumba Community Services District (JCSD) located approximately 4.5-miles west of the site. Based on a 24-hour well test conducted of the well to be used, groundwater resources are available to serve the temporary groundwater needed for the project without interfering substantially with the production rate of nearby wells in the community of Jacumba. Therefore, the project will have sufficient water supplies available to serve the project.

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**Ordinance Compliance Checklist:**

**III. GROUNDWATER ORDINANCE** - Does the project comply with the requirements of the San Diego County Groundwater Ordinance?

- YES
- NO
- NOT APPLICABLE/EXEMPT

Discussion:

As identified in Section 67.722 (All Other Projects), the project's water use from a Water Service Agency exempts the project from the requirements of the San Diego County Groundwater Ordinance.