
CHAPTER 6-C

Well Operating Guidelines

On January 31, 1990 the Commission “authorized the Chairperson to reinstitute water management area proceedings and re-evaluation of groundwater status when: a. the static water level of any production well falls below one half of its original level above sea level, or b. any source or any alternative source of supply contained in the Company’s water development plan does not materialize and full land development continues.”

In 1996, voluntary well operating management guidelines (VWOMG)¹ were submitted by CCR to the State Commission on Water Resource Management. Based upon this review the Water Working Group at the time recommended revisions and further recommended that the guidelines, once revised, be made mandatory.

These guidelines set “action levels” as well as specified limits or “lowest allowable levels” of water for each well. When an action level is reached, data on pumping is to receive thorough public and scientific review, with the aim to evaluate whether new source should be developed and pumping on the well reduced.

When the lowest allowable level is reached, pumpage on a given source should stop altogether, pending new source development or recovery. In event that it is not possible to stay within the limitations set for potable wells, LCI will develop new wells and/or outfit Well 7, whichever is most hydrologically appropriate.²

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1. Lana ‘i Water Resources Management Plan, Prepared by Lana ‘i Company, Inc., August 1996
 2. Resolution 93-42. Relating to the use of non-potable water for the construction of the Manele Golf Course. County of Maui, 1993.

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According to these guidelines, pumpage shall be distributed among well sources so as to maintain their water levels within the specified limits delineated in the table below:

TABLE 7-35 Action levels for groundwater sources.

Potable Well	Initial water level (ft elev)	2009 P7 Water level (ft elev)	Action Level* (ft elev)	Lowest allowable level (ft elev)	CWRM Trigger (Half Initial Head, Jan. 31, 1990)
2	1544	1,441	1050	750	772
3	1124	992	750	562	562
4	1589	1,495	1100	750	794.2
*5	1570	1,491	1100	750	735
6	1005	924	750	500	502.5
8	1014	944	750	500	507
Brackish Wells					
1	818	575	550	410	409
9	808	650	550	410	404
14	?	497	400	292	

*Requires public review of all pumpage, water level, and water quality data for possible changes in the resource management procedures, policies, and plans.

** Well 5 is not in operation