

MINUTE ITEM

This Calendar Item No. 29
was submitted for information
only, no action thereon
being necessary.

INFORMATIVE
CALENDAR ITEM

29.

12/79
Thompson

MONITORING OF POSSIBLE SUBSIDENCE AND SEISMIC HAZARDS,
LONG BEACH UNIT, WILMINGTON OIL FIELD,
LOS ANGELES COUNTY

The City of Long Beach conducts surveys twice each year in February and August for the purpose of monitoring changes in ground elevation of the Long Beach tidelands and adjacent areas. The Commission's staff reviews and interprets the benchmark elevation data from these semiannual surveys.

Staff review of ground elevation survey data for the period May 1965 to August 1979 substantiates that no subsidence of the land surface has occurred as the result of operations in the Long Beach Unit.

The August survey appeared to be anomalous as it showed negative elevation changes over a wide-spread area, in contrast to the previous 6 months' elevation surveys. As a result of these negative elevations, an abbreviated survey was run in November. This survey showed positive surface elevation changes for the three month period between surveys. Evaluation of the August, 1979 survey and comments on acceptable limits of survey variance will be reported to the Commission at the semiannual review following the February, 1980 survey.

Additionally, a network of 5 seismic monitoring stations is being operated for the Long Beach Unit under contract with the Geophysical Laboratory of the University of Southern California. No seismic event originated within the Long Beach Unit during the review period, February to August 1979.

The Commission's staff will continue to report the results of ground elevation surveys and will advise the Commission of any change in seismic activity in the vicinity of the Long Beach Unit.

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