

MONITORING OF POSSIBLE GEOLOGIC 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 from May 1965 to August 1977 substantiates that no subsidence of the land surface has occurred as the result of operations in the Long Beach Unit. As reported to the Commission in June 1977, analysis of elevation survey data for the period February 1976 to February 1977 indicated that there were inaccuracies in the survey data that prevented their use in elevation change maps. Therefore such maps were not finalized for the period February 1976 to February 1977. Staff interpretation of the most recent data obtained during the August 1977 elevation survey indicates that this recent survey data is valid and elevation change maps have been prepared for the August 1976 to August 1977 period.

Additionally, a network of five 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 from February to August 1977.

The 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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