



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX

75 Hawthorne Street
San Francisco, Ca. 94105

SEP 16 1991

MEMORANDUM

SUBJECT: AES Ohana, Inc. PSD Permit Application

FROM: David Calkins, Chief
Air Programs Branch *David Calkins*

TO: Joseph Tikvart, Chief
Source Receptor Analysis Branch

AES Ohana, Inc. is proposing to construct a 180 MW coal fired electric power generation unit at the existing AES Barbers Point plant site in Ewa. AES expects that second level complex terrain screening techniques will be sufficient to demonstrate compliance with applicable ambient air quality standards and increments.

AES Ohana, Inc. has proposed that data from the Barbers Point Naval Station be used. The data was collected approximately 2 miles from the proposed expansion. Meteorological sensors mounted on a 3.6 meter tower were used for the collection of data at the BPNAS. The height of the stack on the proposed facility will be approximately 280 feet.

The project site is in complex terrain. Both the project and the data collection site are located approximately four kilometers south of the nearest slopes of the Waianae mountain range.

The Hawaii Department of Health has concluded that on site meteorological data is required for the air quality modeling analysis. Region 9 believes that because the site of data collection is remote from the proposed source, and because the data collection height at BPNAS does not meet the minimum criterion, the use of data collected "on-site" would be clearly recommended.

We request that the Model Clearing House provide their review and comments.