

To: Hui Malama

Re: Report of investigation into proposed sewage treatment plant in Kahaluu.

The following is a summary of the information we were able to gather pertaining to the proposed sewage treatment plant for the proposed Parklane Country Homes Development. In conducting our investigation, we did the following things:

- 1) Talked to Dennis Parlcser at HESL (Hawaiian Environmental Simulation Lab) about sewage treatment in general.
- 2) Talked to a Mr. Umena at the Division of Sewers (City & County of Honolulu) about the construction of sewage plants.
- 3) Did investigation specifically into the proposed Parklane sewage plant at the Boark of Heath.
- 4) Studied various documents; one of important ones is The Find Report on Water Quality Program for Oahu With Special Emphasis on Waste Disposal (pub. 1972 for DPW of city by Engineering-Science, Inc., Sum, Low, Tom & Hara, Inc., Dillingham Envirn. Co.)

HESL: Dennis Parlcser

The three basic or primary kinds of sewage treatment plants are:

- 1) Primary - mainly separates out "floating pieces" and other solids and converts the material from chunky to slimy (very little chemicals used).
- 2) Secondary - more complex process in which chemicals are added to waste in order to speed up breakdown of matter and destruction of bacteria.
- 3) Tertiary - most complex system using a lot of chemicals.

All of the city plants on the Windward side (according to Mr. Umena of Div. of Sewers) are Secondary type (except MCAS Kaneohe which has a Primary type), Ahuimanu is a kind of Tertiary plant.

One of the possible problems Dennis pointed out was that the Dept. of Health/Div. of Sewers had previously approved the sewage plant that Aoki had proposed for KCD. This was done in spite of the fact that the Board