

Possible helpful contact people and numbers

- 1. Peter Boucher, P.E., Chief, Wastewater Division, County of Hawai'i,
Dept. fo Public Works, 25 Aupuni St., Rm 202, Hilo, Hawai'i 96720
Phone: 808-961-8338
Fax: 808-961-8644**

Note: Peter is our main contact with the County and has been extremely helpful in all matters concerning the Old Hilo Wastewater Treatment Site.

- 2. Harry Yada, Land Agent, State of Hawai'i Department of Land and
Natural Resources Land Division, 75 Aupuni St., Hilo, Hawai'i 96720
Phone: 808-974-6203
Fax: 808-974-6222**

Note: Harry has been our main contact in relation to land transfers and the status of the properties adjacent to the Old Hilo Wastewater Treatment Site (where we're requesting you do Phase I work, etc.).

2/22/00

Aloha Petroleum Bulk Facility - HERR Files Search by C. Montz

TMK 2-1-09:42, 2.66 acres

Listed in HERR's files as Texaco Hilo Bulk Plant
999 Kalamanaolu Hwy, Hilo HI 96720

In current phone book
as Aloha Petroleum, Inc.
999 Kal Ave HI: 935-0929
No Texaco facility at
this location

- 1991
~~1991~~ Hazardous Material Management Plan (Dec. 27, 1991 submitted to
and Hazardous Waste Contingency Plan HERR Jan. 10, 1994)

Facility constructed in 1963

[note: since then 2 larger
AST's were installed - between 1985-
1998
Added 2 larger for unloading products later]

- 6 AST's containing petroleum products
- 2 UST's adjacent to oil/water separator of 5,000 gallons each
- 1 UST 300 gal. empty

Refined products is received via pipeline from state
operated piers in the Port of Hilo and is shipped by tank trucks
loaded at the facility load rack

[note: facility maps filed with most recent CERCLA filing 2/99.
does not mention UST's at this facility]

• Releases

- ① Written Staff Notes of 2/13/90 release approx. ^{1,100} ~~400~~ gallons unleaded gasoline
leaked out from ^{6" underground} pipeline leading to Pier 3 (petroleum barge); shut off;
pipeline repaired and back in service 2/27/90.

(Location of leak was on property to the East of Texaco between the Brewer Corporation
and Honolulu Gas Co. properties - away from UH Hilo site)

Following letter 6/13/90 from Texaco Environmental Geologists. Installed and
sampled 2 groundwater ^{monitoring} wells 3/19/90 - four samples collected, analyzed
for petroleum hydrocarbons. No free product. Gw between 11 - 15 feet
below top of casing. Benzene at 0.51 mg/L, TPH 16 mg/L, Toluene 0.57 mg/L
and Xylene 3.1 mg/L. Below MCL's (not compared to other action levels)

[Below DOH's Gw action levels
for DW not threatened]

② 2nd incident - Jan. 17, 1991. Pinhole in 6" underground leak pipeline at Pier 3. Very little release. Inventory showed overage of 124 gallons. Said no evidence of spill. Pipeline repaired.

③ 3rd incident - 12/4/96, 4 gallons gasoline + water during water purging of 6" underground transfer pipe.

④ 4th incident - 7/10/97, unknown amount of low sulfur diesel ~~at~~ of underground pipeline at the dock. Case # 970710 - ~~1271~~ 1217
Cause - fluctuations in diesel AST inventory.

• 5th incident - 7/23/97 - thin layer free product, bunker "C" fuel oil, floating on water table 4-8 feet b.g.s. while trying to identify leak in Texaco's underground diesel pipeline (from previous incident). Source another company since Texaco does not handle or store bunker "C".

• EPCRA Data/Registration

As of Feb. 27, 1999 facility still under Texaco Refining and marketing, Inc. Filed SARA Tier 4 forms. (Apparently bought over by Alkermetholam in 1999)
~~Portland, Oregon~~
Carson, CA

Neighlon Fuel

3-2-1-09:08

3.45 acres
old Hon Gas facility

1/11/00 Conference call with Jim James and Ann Crum, E&E, Sharon Zeigler-Chong, Bryce Hataoka and Clyde Morita. (Tom Mix aware of conversation). E&E reports no indication of spills. Most likely source of anything might be squatters or illegal dumpers (i.e. from vehicles, car batteries). Maybe pipes at the old quonset hut pad might be tested in case ust's rather than sewer lines.

Either submit Phase I report with recommendations that hazcatting tests be done at the time the squatters are removed or leave the recommendations out of Phase I and put them in a separate letter. Note hazcatting are gross field measurements such as vapor tests, flammability, which are usually done to see if there might be a hazardous waste problem at the site.

Sharon Zeigler said Governor hasn't released funds yet and looks unlikely, so EDA suggested UH Hilo use the land value as matching funds for EDA funds – will proceed that way. DLNR doesn't want to remove squatters until after the legislative session is over (early May).

AGREED UPON: E&E will complete Phase I Report this month and have separate letter recommending hazcatting when squatters are removed (they can do it as part of the site characterization authority under BF).

- Draft will go to EPA this week (EPA will probably ask DOH to review also)
- Final Report by end of January.

2/16/00 Tom Mix & Ann Crum – Draft report was supposed to have been sent to us – wasn't by mistake. Ann Crum to express mail so receive tomorrow. Hope to complete comments w/i 1.5 weeks.

2/17/00 Rec'd draft of Phase I BF Site Investigation Report.

2/23/00 Emailed our comments to Ann Crum, copy to Tom Mix; mailed out hard copies to them. Called Ann Crum to let her know re: our concerns on Aloha Bulk Facility.

2/28/00 Tom Mix called re: our comments. Jim Hanson said DOH should be able to do Hazcat tests (w/OSC's). If potential off-site contamination is petroleum, EPA wouldn't fund under CERCLA so some other party would need to cover it.

Trying to balance desire to assist UH Hilo9 in proceeding and getting the financing with what's prudent to disclose to them and others; also what if anything to do in the way of sampling. Tom will talk to E&E to see how they think can work it with the Phase I Report and notification.

3/3/00 **CM spoke to Mike Cripps, DOH OSC for Big Island, re: his doing hazcat at time that DLNR would clear out squatters and clear and grub the property. Probably some time this summer. YES, he could do it, probably along with the Fire Department, also as training session.**

Mike said if there's suspected petroleum contamination in ground or groundwater would probably need contractor to do it.

3/8/00 Conf. Call with Tom Mix and Sharon Zeigler-Chong. E&E will mention potential concern of Aloha Petroleum facility as off-site source. No recommendation for further sampling in regard – will be up to UH Hilo should it become a concern. DOH will do hazcatting but unlikely to offer soil vapor testing.

5/4/00

Status - UHHilo, old Wastewater Treatment Plant Redevelopment
Pacific Aquaculture and Coastal Resources Center

10/21/99-Confirmed w/Sharon Zeigler-Chong, site visit and meeting for Wed., Nov. 17 with me, Tom Mix, Jim James (doesn't know about proj.manager).

10/21/99 -Rec'd copy of BF site assessment application and copies of :

- Environmental Site Assessment, Phase I on old wwtp site only, M&E Pacific, Nov. 1997.
- Final Environmental Assessment, on old wwtp site only, M&E Pacific, Sept. 1998.
- Pacific Aquaculture and Coastal Resources Center description, UH Hilo.
- Final Environmental Assessment and Negative Declaration, Hawaii Pilot Hole Project (site of old wwtp), UH, March 1992.
- Underground Storage Tank Closure Report, old wwtp site, Walker Consultants, Ltd., April 1999 (one 750 gal.UST).

10/26/99- Jim James, E&E Consultant, received the BF application and copies of reports, per conference call w/Tom Mix.

11/17/99 Site visit & meetings in Hilo. Tom Mix, EPA, Jim James and Ann Crum of E&E, and CBM went to Hilo. Met w/Peter Boucher, County Wastewater Management and Sharon Zeigler-Chong, UH Hilo- County set aside \$600,000 as part of their matching to cleanup sludge digesters and clarifiers, whatever else can do with the funds. Harry Yada.DLNR and Kevin Hopkins, UH Hilo not available. Visited both parcels, saw ust that was removed. 13 squatter units on site -DLNR to be responsible for move when close to development. Visited property tax office and Hilo Library for E&E to research Navy activities and find where records may be located.

E&E to start work on site assessment.

12/2/99 Ann Crum said so far doesn't seem like historical records shows much need to do sampling. Old WWTP site looks OK. Navy site, other than squatters and what others may have disposed of (i.e. batteries, oil, rubbish) doesn't look like much.

Still awaiting some Navy records.

UH-Hilo aquaculture center to open next year

By Hugh Clark

ADVERTISER BIG ISLAND BUREAU

HILO, Hawai'i—Thirteen years after coming to University of Hawai'i-Hilo to launch a working aquaculture center, Kevin Hopkins has all of the pieces in place for a major research and production project at a former sewage treatment plant in Keaukaha.

The centerpiece of the \$7 million Pacific Aquaculture and Coast Resources Center will be two 80-foot-diameter sludge digester tanks that will be converted into 400,000-gallon fish tanks. The 12.5-

acre complex extends from Radio Bay near Hilo Harbor to the foot of Pua Street in the Hawaiian Homestead area mauka of Kalaniana'ole Avenue.

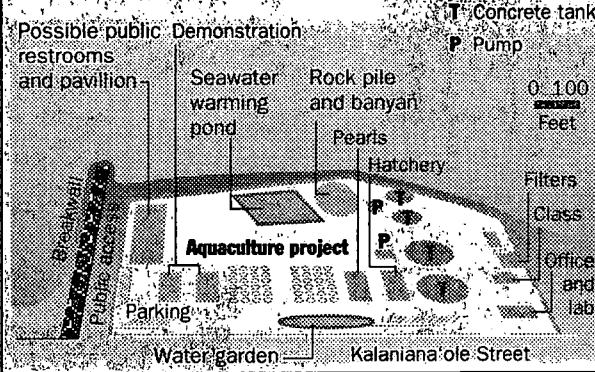
The center will be in operation next year, serving the university's agriculture and marine sciences departments and UH-Mānoa's Sea Grant Program. By the end of next summer, Hopkins expects to have 100 or more students actively involved in projects.

Hopkins and his associ-

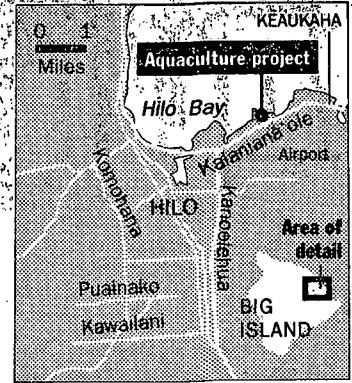
See AQUA, A30

From sewage to sea farm

The Pacific Aquaculture and Coast Resources Center is converting a former sewage treatment plant in Keaukaha to a sea farm with both academic and commercial components, with help from public money.



Source: Pacific Aquaculture Coastal Resources Center



The Honolulu Advertiser

Aqua: Center to test possible marine crops

FROM PAGE A23

ates already are providing expertise for fish farming developments in Mexico and South America. Hopkins did similar work as a Peace Corps volunteer in the Philippines and has since done consulting in the Middle East and Southeast Asia while obtaining a doctorate degree from Auburn University.

Now a professor at the UH-Hilo College of Agriculture, Hopkins came to Hawai'i in August 1988 to launch the aquaculture center. Despite setbacks in financing and in the courts and losing a prior site, he was able to get the county to donate the sewage plant and obtain adjoining state land after squatters twice had to be evicted.

The key financing was a recent \$1.6 million grant from the U.S. Department of Agriculture. The state and county also are providing support.

Hopkins said re-use of the sewage plant site was the vision of former Big Island Mayor Steve Yamashiro, who spent nearly \$700,000 cleaning up the plant before turning it over to UH-Hilo.

The purpose of the center is to demonstrate and test possible marine crops, including shrimp, tilapia, exotic fish and various algae. Hopkins said the center will not compete with commercial growers.

"We will be filling a gap," he said.

“This will be the premier research center in the world in two years”

KEVIN HOPKINS

PROFESSOR, UH-HILO COLLEGE OF AGRICULTURE

“Education will be our major component.”

The availability of warm water from ocean shallows and nutrient-rich cold water from the deep increases the potential for the site, he said. Hilo is one of the few places in the world where the two elements are available nearly side by side, Hopkins said.

Warmer water is favored for algae production, while abalone, clams and other species require cold water.

The center will be able to use cold water from a 3,500-foot deep well drilled by geologists in an unrelated research project.

The center also will have an open-air lecture area, a native plant nursery and some exhibits for visitors.

The Keaukaha component is one of two aquaculture projects Hopkins has established at UH-Hilo.

The other is a hatchery and fish food mill developed in conjunction with O'ahu's Oceanic Institute at Pana'eua.

It does not entertain visitors because fish there are in quarantine for evaluation and testing.

"It's all coalescing now," Hopkins said.

The center has a governing council that includes two Native Hawaiian members from the Keaukaha Community Association, and a search is under way for a permanent director, since Hopkins is serving in an interim capacity.

"This will be the premier research center in the world in two years," he predicted.

Walter Dudley, newly appointed chairman of the UH-Hilo Marine Sciences Department, said the Keaukaha project is "very complementary to our students."

Students in the agriculture and marine sciences programs will be allowed to take classes under a cooperative agreement that crosslists courses.

Dudley said the Keaukaha laboratory and growing ponds will add to the quality of the fast-expanding marine sciences program. The department just moved into a \$3 million center on the UH-Hilo campus.

At the center's campus headquarters, Hopkins is admired for his persistence in the face of setbacks on a previous proposal for a similar project at Onekahakaha Beach, where

other squatters won the right to remain on county property.

"He's a guy who saw his project to the end," said Community Relations Director Gerald De Mello. "It's a credit to him for sticking in there. He might have laid back and given up. He had a good vision and strong thinking all the way."

Patrick Kahawaiola'a, president of the Keaukaha Community Association, which represents 420 families in the Hawaiian Homestead project, sees the development of the aquaculture center as "clearly a positive change" after 40 years of living with the sewer plant.

He believes community leaders have reached a good understanding with developers of the center.

"They know we don't want to have Hawaiians looking (from) outside the window," Kahawaiola'a said.

He said he supports the project because Native Hawaiians are involved in the marine studies program at UH-Hilo.

The university as a whole claims an enrollment that is 17.8 percent Hawaiian, the highest in the UH system.

Hopkins also has promised to help renew the fisheries of the Keaukaha coastline by releasing native species into nearshore waters.