

ROSTER OF PERSONNEL INVOLVED IN
MONITORING GEOTHERMAL ACTIVITIES IN
THE PUNA DISTRICT

DEPARTMENT OF LAND AND NATURAL RESOURCES

Name of Employee	Position Title/ Salary Range	Bargaining Unit	Employee's Office Location	Workplace Telephone Number
Eric Tanaka	Engineer Drafting Technician VI/ SR-17	63	Div. of Water Resource Management	961-7279 (Hilo)
Dean Nakano	Geologist I/SR-24	13	Div. of Water Resource Management	548-7541 (Oahu)
Janet Swift	Geothermal Analyst/SR-24	13	Geothermal/Cable Permit Center DLNR	548-7443 (Oahu)
Maile Holt	Secretary II/SR-12	03	Geothermal/Cable Permit Center DLNR	548-7443 (Oahu)
Glenn Taguchi	District Land Agent/SR-26	13	Div. of Land Management Hawaii District Office	961-7245 (Hilo)
Sharon Chang	Clerk Steno III/SR-11	03	Div. of Land Management Hawaii District Office	961-7245 (Hilo)
Don Horiuchi	Staff Planner/SR-20	13	Office of Conservation and Environmental Affairs	548-7837 (Oahu)
Ross Cordy	Archaeologist/?	13	State Historic Preservation Program	548-6408 (Oahu)
Victor Tanimoto	Entomologist/?	13	Div. of Forestry & Wildlife	548-8850 (Oahu)

INVENTORY OF EQUIPMENT BEING USED
TO MONITOR GEOTHERMAL ACTIVITIES IN
THE PUNA DISTRICT

DEPARTMENT OF LAND AND NATURAL RESOURCES

General Description of Equipment	Approximate Cost Per Unit	Number of Units Available	Portable or Stationary*	Extent of Training Required to Operate
4WD Vehicle (Chevy S-10 Blazer)	\$18,000	(1)	DWRM Hilo Office	Valid Drivers License
IBM PC Computer	\$ 6,000	(1)	Stationary (DWRM Honolulu Office)	On-the-Job
Cellular phone (pending)	\$ 700 (plus \$15/mo. plus \$.90/min)	(0)	Portable	None

List type of Geothermal monitoring and regulating activities being performed in Puna District including names and parties being monitored, and reasons for monitoring:

Monitoring and Regulating Activities:

- 1) Designation and regulation of Geothermal Resource Subzones.
- 2) Leasing and drilling of geothermal resources.
- 3) Regulation of uses within conservation districts, and the monitoring for compliance with permitted activities.
- 4) Review of proposed projects pursuant to the State's Historic Preservation Program.
- 5) Inspection and monitoring of geothermal development activities including site preparation and well drilling operations.
- 6) Investigation of complaints concerning geothermal development activities.

Parties being monitored:

- 1) Puna Geothermal Venture (ORMAT) being monitored for compliance with conditions of Geothermal Resource Mining Lease R-2, well drilling permits, Plan of Operations, and Historic Preservation.
- 2) True/Mid-Pacific Geothermal Venture being monitored for compliance with conditions of mining lease R-5, well drilling permits, Plan of Operations, Historic Preservation and the Board's (CDUA) Decision and Order.
- 3) Barnwell Geothermal Corp. being monitored ^{for} compliance with conditions of mining lease R-3 and applicable DLNR regulations.
- 4) Scientific Observation Hole (SOH) project being monitored for compliance with conditions of the well drilling permits, Historic Preservation and applicable DLNR regulations.
- 5) Natural Energy Laboratory of Hawaii (HGP-A) being monitored for compliance with mining lease S-4602 and applicable DLNR regulations.

GEOHERMAL PERMITS & APPROVALS

GEOHERMAL RESOURCE SUBZONE

Conservation Lands

Conservation District Use Permit
(Department of Land & Natural Res.)

- Public hearing required
- ~~Contested case hearing upon request~~
- EIS may be required

Ag/Rural Urban Lands

Geothermal Resource Permit
(Hawaii County Planning Dept)

- Public hearing required
- ~~Contested case hearing upon request~~
- Planning Commission Rule 12 ~~being drafted~~ adopted

DLNR Permits and Approvals

- Geothermal Resource Mining Lease
EIS may be required
Plan of operation required
- Geothermal Well Drilling Permit
- Modification or Abandonment Permit

DOH Permits

- Permits to operate (air quality)
Public hearing may be held
- Underground injection Control Permit
Public hearing may be held

County Permits

- Building
- Electrical
- Plumbing
- Grading
- Grubbing
- Stockpiling