



STATE OF HAWAII  
DEPARTMENT OF HEALTH  
P.O. Box 3378  
HONOLULU, HAWAII 96801-3378

In reply, please refer to:  
File:

19-156M&A CAB

March 6, 2019

Mr. Ron Quesada  
EH & S Manager  
Puna Geothermal Venture  
P.O. Box 30  
Pahoa, Hawaii 96778

Dear Mr. Quesada:

**SUBJECT:** Puna Geothermal Venture (PGV) Ambient Air Quality Monitoring Stations  
Noncovered Source Permit (NSP) No. 0008-02-N  
Located At: 14-3860 Kapoho-Pahoa Road, Pahoa, Hawaii 96778

The Department of Health, Clean Air Branch (CAB), received your request to approve PGV's proposed locations for three (3) permanent ambient air monitoring stations required by the subject permit. The existing Monitoring Stations A, B and C were covered by lava during the recent Kilauea eruption. The CAB reviewed the proposed locations and hereby approves the following:

1. The new permanent "A" station location as indicated on the attached map is approved.
2. The new permanent "B" station location as indicated by #1 on the attached map is approved.
3. The new permanent "C" station location as indicated on the attached map is approved.
4. Pursuant to NSP No. 0008-02-N, Attachment IIA, Special Condition C.4, a PM<sub>10</sub> monitor will be operated during drilling operations, flow testing, and well cleanouts. PM<sub>10</sub> sampling will be performed at the new permanent Monitoring Station A location.
5. All three (3) permanent monitoring stations shall be capable of sampling ambient hydrogen sulfide (H<sub>2</sub>S) where the probe sampler inlet is at a person's breathing level (approximately six (6) feet or two (2) meters).

In addition, PGV will provide the GPS coordinates and submit to the CAB an updated Quality Assurance Project Plan (QAPP) for the three (3) new permanent monitoring stations (A, B, and C).

Due to the dynamic nature of the Kilauea Lower East Rift Zone and as your facility activities change, please be aware that a re-evaluation of the permanent air quality monitoring station locations, monitoring requirements, including additional monitoring may be considered in the future. If you have any questions, please contact Ms. Lisa Young of my staff on Oahu at (808) 586-4200.

Sincerely,

A handwritten signature in blue ink, appearing to read "Marianne Rossio".

MARIANNE ROSSIO, P.E.  
Manager, Clean Air Branch

JY:rkb

Attachment

c: Jordan Hara, Plant Manager, Puna Geothermal Venture  
Michael Kaleikini, Senior Director, Hawaii Affairs, Puna Geothermal Venture



Best regards,

**Ron Quesada**  
EH&S Manager

