

Friends of The Volcano School of Arts & Sciences

Minutes

January 10, 2019

4:30 PM

Keakealani Campus

Approved Minutes

Directors Present: Mara Saltzman, Ian Cole, Jeffrey Mermel, Lorna Larsen-Jeyte, Melissa Fletcher, Kalima Kinney (ex-officio) by phone.

Directors Absent: David Goodman,

Members/Guests Present: Lynn Melena, Ted Pirsig, Yen and Brian Engineering Partners via teleconference, Chris King-Gates, Jacqueline Sommers from AquaKlear via teleconference, Jean Tessmer (our ADA specialist).

Meeting began at 4:30 with AquaKlear presentation via teleconference. Jacqueline is certified water inspector and water system installer and a national trainer on water topics. AquaKlear is for both commercial and residential uses. Uses aeration and time to transform water to be used on-site. It is 100% natural with no internal moving parts. Entire system operations by using aeration and time. Water can be used for landscape watering on a drip system. Certified as a class one treatment system. Water comes out may be better than municipal treatment facility. There is a standard treatment and a more environmentally friendly nitrogen reduction treatment. Approved by Hawaii of DOH. Comes in concrete or fiberglass. For larger commercial use, system is modular. Fiberglass better for Hawaii (due to shipping). For many scenarios like small lots, sandy or too rocky or clay lots, or for steep slopes. Can be used in Hawaii for cesspool upgrades. Many different dispersal (gravity, pumped dispersal, drip, UV) options. Fast and easy plug and play installation. AquaKlear provides support for their systems. Has energy-efficient components. Purchase and install only what you need and different units can be added later. 2 year service policy and three year warranty. Environmentally responsible.

Q&A

- How well will it stand up to fats, oils, and grease? The kitchen should consider a grease separating device before the water goes down the drain. Grease traps are required but a separator appliance in kitchen would prevent grease from going down drain.
- How long will the bacteria live if the treatment system goes down? System is forgiving. There are directional flow baffles. The system will compensate for stress loading scenario. There is an alarm on the control panel that will alert you to a problem.
- How to prevent biomass from developing in drain fields? The high dissolved oxygen water will be entering soil. With residual oxygen there will be better aerobic breakdown of biomass. Oxygen will better break down solids.
- How many tanks will be needed to consider getting? It depends on what engineer says daily flow is. It is based on gallons per day. System is modular- pieces can be added on.
- Shipping cost? 40 ft. container from Midwest to Hawaii is roughly \$12,548, based on their recent shipment to Maui.

- Are the blowers running constantly? They do run constantly and one blower per tank needed. It is a compressor /air pump. It is energy efficient.
- Their commercial project in Maui with shipping without installation and without engineering was approximately \$50,000. AquaKlear provides drawings for tanks included in cost, engineers need to do site drawings.
- Training and support? For example, for an engineer who has not worked with this type of system before. There's a manual, pictures, service for making sure blowers are working, making sure alarms work, there's troubleshooting, a blog for do's and don'ts.
- Does AquaKlear have servicers in Hawaii? They will.
- First 2 years, it is every six months for a site visit? AquaKlear suggests that once a year someone should come out. The system does not require pumping very often, just when technician recommends it. Less solids build up with this system because of oxygen.
- Opinion of this system in schools in Hawaii? AquaKlear system in schools throughout country but not in Hawaii Island.
- Special rate because we are first school on Big Island? She would consider.
- 100 year flooding issue? A pump tank and pressure dispersal may be used.
- Upgrading cesspool? AquaKlear can be used without leach lines.
- Maintenance? Health Department in Hawaii requires? (Question from Engineers) She will be adding a team in Hawaii. Pumping contractors are certified to check systems.

Additional discussion was on cost for our campus. Engineers can give us estimate. Generator back-up might be needed.

Is septic system for whole campus to be done during site prep? It depends on what DOH tells us.

Low flow toilets may be needed.

Minutes from December 2018: **Melissa Fletcher motioned to accept minutes; Lorna Larsen-Jeyte seconded;** no discussion; **all in favor; none opposed.**

Bylaws: It was noted in the meeting that the bylaws updated and sent in for the OHA grant did not include the voted-on edit to have both a purpose (from former bylaws) and the updated mission statement. Instead the bylaws submitted for the OHA grant included the newly voted on nepotism clause under conflict of interest Article and the newly revised mission under the purpose Article. **An edit will be made to be in line with the December purpose/mission vote once the OHA grant phase is through.**

Treasurer's Report: Treasurer is absent.

Evote: **We had an e-vote in December 2018 for the nepotism clause under conflicts of interest in the bylaws.**

Kalima Kinney discussed how plan approval process package is ready. It may be expedited.

Plan approval is for construction of Pre-K and elementary building and the kitchen and portable are penciled in there.

Atherton Grant: reporting requirements discussed in relation to plan approval and building permits.

\$500,000 raised as of this moment. Kalima Kinney is meeting with Onishi tomorrow about additional funding. The Atherton Grant was granted in December of 2018 for \$50,000.

We have not heard yet from Bank of Hawaii and Office of Hawaiian Affairs yet regarding the grant applications.

Have we got extension on last \$450,000 GIA? Not yet. Waiting on documentation from DAGS on release of money.

Funding will affect the septic system we procure.

Due date for next GIA is needed. **Kalima will look into the next GIA deadline.**

Cooke Foundation grant due in March.

Next meeting, **the audit information is needed from David Goodman.** He is suppose to find out how much a joint audit will save and best timing of audit. **Kalima will find out grant requirements for audits.** Ted Pirsig offered a ballpark number for audits and he estimates \$3,500 to \$5,000 for an audit.

Construction:

Next meeting, we will have more funding information and then can put together a more specific plan for what to build in this phase.

Kitchen delivery: There needs to be a discussion about delivery date and it will require approximately 6 months of storage in California. Transportation will have a cost. Insurance may be required on kitchen trailer. If it goes to school then it becomes a state asset and state pays insurance. If it is registered to FVSAS, FVSAS will have to pay to insure it. It can be taken under FVSAS and transferred easily over to the school. Is it being insured while it is being stored? **Lynn Melena will get more information on storage (cost, how it is being stored) and liability (any insurance needed for storage).**

Lynn Melena is asking that a check be written to the manufacturer of the mobile kitchen.

Melissa Fletcher motioned to put kitchen trailer in name of FVSAS, Jeffrey Mermel seconded; No further discussion; all in favor; none opposed.

Project Manager procurement: there has been no change since last time. Sample contracts with language of scope of work are needed. **Lynn Melena will work on the statement of work for the contract.** We will let Projector Manager collect and handle contractors' bids, contracts, etc.

Nomination Committee: none

New Business: Jeffrey Mermel and Melissa Fletcher are asking for more financial reports. Other members would like to see these reports monthly. David Goodman, for last GIA, posted the spending breakdown in Teamwork. Jeffrey Mermel would like to see the financial reports in writing outside of Teamwork.

Next Meeting: First Thursday, February 7th at 4:30PM

Adjournment: **Mara Saltzman motioned to adjourn at 6:08 PM; Melissa Fletcher seconded; all in favor; none opposed.**

Respectfully Submitted by
Mara Saltzman, Secretary

Draft January 10, 2019

Approved February 7, 2019