

Drakes Bay Oyster Company

17171 Sir Francis Drake Boulevard

Inverness, CA 94937

(415) 669-1149

kevin@drakesbayoyster.com

nancy@drakesbayoyster.com

November 15, 2010

Natalie Gates
DBOC SUP EIS

13 – Housing

Dear Natalie,

DBOC provides five homes with a total of 14 bedrooms for its employees; and in some cases, their families. Water is provided by an on-site well (See Info request item 3). Bacteriological testing is conducted weekly. Physical / chemical monitoring is also conducted by DBOC as required by California Department of Public Health, Drinking Water Unit. Housing is inspected annually by NPS and US Department of Public Health to assure compliance with all health and safety codes and requirements. The USPH and NPS inspections include an annual water system and well inspection. The onsite sewage disposal system is monitored and inspected annually by USPH, NPS and County of Marin, Environmental Health Services (See Info request item 3) and the Marin County EHS monitoring agreement (attachment 13a) and the quarterly monitoring worksheet (attachment 13b).

Sincerely yours,

Kevin Lunny

File

Disposal System Operating Permit & Operation and Maintenance Requirements

Monitoring Year June 1, 2010– May 31, 2011

Permittee(s): Drakes Bay Oyster Co., attn: Kevin Lunny Permittee(s): Same
 Site Address: 17171 Sir Francis Drake Blvd., Inverness Permit #: 05-104
 System Type: PD – commercial

Inspection Frequency:

QUARTERLY SEMI-ANNUAL ANNUAL

Average daily flow not to exceed: **500 gallons per day (GPD).**

Groundwater Limit: within **54 inches** of the ground surface

Rainy Season Limit: within **42 inches** of the ground surface

Inspection reports must be submitted to EHS no later than July 1, 2011

Monitoring reports and annual summaries must be signed by the consultant responsible for monitoring.

Inspection reports to address the following:
Tank(s) :
Tank/sump condition & accessibility
Condition of risers & lids, effluent filter, sanitary tees
Tank liquid level. Unexplained water flow into tank (e.g. leaking toilets?)
Tank need to be pumped? If yes, was it pumped?
Pump or siphon, floats, alarm system, all functional?
Pre-treatment units: Effluent clarity? Purge/squirt/balance filters
Control Panel and Calculations:
Report inspection date & any recorded data from control panel:
Dose Ct & ETM (both ST and SF), Recirc Ratio, etc.
Verify pump GPM and duration of dose.
Record & report any adjustments made.
Calc'd wastewater flow (gpd).
Disposal Field(s):
Purge/squirt/balance
Monitoring wells: water level measured from surface
Seepage/surfacing effluent
Erosion and/or drainage problems? Recent construction, paving, grading? Accessibility of all valve boxes?
Selective fertility
Diversions Valve exercised?
Drip systems: Pressure ok? Spin clean filter replaced if necessary?
Other:
Report any minor repairs or recommended major repairs.
Lab monitoring results & Additional Comments

If box on left is checked, please contact EHS to be present at a monitoring inspection during the year.

Specific Additional Requirements: _____

Note: The list on the left, includes general inspection tasks. All inspection reports should indicate that each of the applicable system components were inspected and note the condition. Reports should include comments.

EHS understands that not all components need to be checked and not all maintenance activities need to be accomplished at every visit. For example, "purge/squirt/balance" usually need not be done more frequently than once per year. Inspection dates are up to the discretion of the service provider, although EHS recommends checking the monitoring wells during the rainy season and flushing the system during the dry season.

Required laboratory monitoring: None

Additional Notes to Consultants:

- When water levels in various monitoring wells (mounds, sand filters, PDSTs) and/or trench inspection ports are reported, please reconcile well numbers as identified on design plot plan.
- Show formula for deriving wastewater flow in gallons per day (e.g. [(dose counter reading x dose) / number of days]).
- If significant problems are observed during the monitoring year which cannot easily be corrected by simple maintenance, please contact EHS attn: Janet Mullin by phone: 415/499-6907, FAX: 415/507-4120, or e-mail: jmullin@co.marin.ca.us

c: Rich Lincoln & Sons

This Operating Permit for an alternative individual sewage disposal system is issued to the property owner after compliance with the terms of Marin County Code Section 18.07.090 has been demonstrated and is not valid until current fee is received by EHS. The Operating Permit authorizes the use of the individual sewage disposal system located at the above noted property address until the expiration date, unless the permit is revoked for good cause. It is unlawful to operate this individual sewage disposal system without a valid Operating Permit. An individual monitoring program has been established for this alternative system under the conditions section of the Permit to Construct an Individual Sewage Disposal System. The property owner agrees to monitor the system according to the requirements specified for this period of operation in the conditions section of the permit. Failure to submit the required fee or specified monitoring and inspection data, or failure to undertake any required corrective work specified by the Health Officer may be cause for non-renewal or revocation of the Operating Permit and will be referred to Code Enforcement.

Wastewater Disposal System Operating Permit

& Operation and Maintenance Requirements

Monitoring Year June 1, 2010- May 31, 2011

ATTN: Kevin Lunny FOR HOUSES

Permittee(s): Drakes Bay Oyster Co., attn: Kevin Lunny
Site Address: 17171 Sir Francis Drake Blvd., Inverness
System Type: PD - large flow

Permit #: 97-18

2 pages

Inspection Frequency:

QUARTERLY [] SEMI-ANNUAL [X] ANNUAL []

Average daily flow not to exceed: 2640 gallons per day.
Groundwater Limit: within 54 inches of the ground surface
Rainy Season Limit: within 42 inches of the ground surface

Inspection reports must be submitted to EHS no later than July 1, 2011

Monitoring reports and annual summaries must be signed by the consultant responsible for monitoring.

Inspection reports to address the following:
Tank(s):
Tank/sump condition & accessibility
Condition of risers & lids, effluent filter, sanitary tees
Tank liquid level. Unexplained water flow into tank (e.g. leaking toilets?)
Tank need to be pumped? If yes, was it pumped?
Pump or siphon, floats, alarm system, all functional?
Pre-treatment units: Effluent clarity? Purge/squirt/balance filters
Control Panel and Calculations:
Report inspection date & any recorded data from control panel: Dose Ct & ETM (both ST and SF), Recirc Ratio, etc.
Verify pump GPM and duration of dose.
Record & report any adjustments made.
Calc'd wastewater flow (gpd).
Disposal Field(s):
Purge/squirt/balance
Monitoring wells: water level measured from surface
Seepage/surfacing effluent
Erosion and/or drainage problems? Recent construction, paving, grading? Accessibility of all valve boxes?
Selective fertility
Diversion Valve exercised?
Drip systems: Pressure ok? Spin clean filter replaced if necessary?
Other:
Report any minor repairs or recommended major repairs.
Lab monitoring results & Additional Comments

[X] If box on left is checked, please contact EHS to be present at a monitoring inspection during the year.

Specific Additional Requirements:

Note: The list on the left, includes general inspection tasks. All inspection reports should indicate that each of the applicable system components were inspected and note the condition. Reports should include comments.

EHS understands that not all components need to be checked and not all maintenance activities need to be accomplished at every visit. For example, "purge/squirt/balance" usually need not be done more frequently than once per year. Inspection dates are up to the discretion of the service provider, although EHS recommends checking the monitoring wells during the rainy season and flushing the system during the dry season.

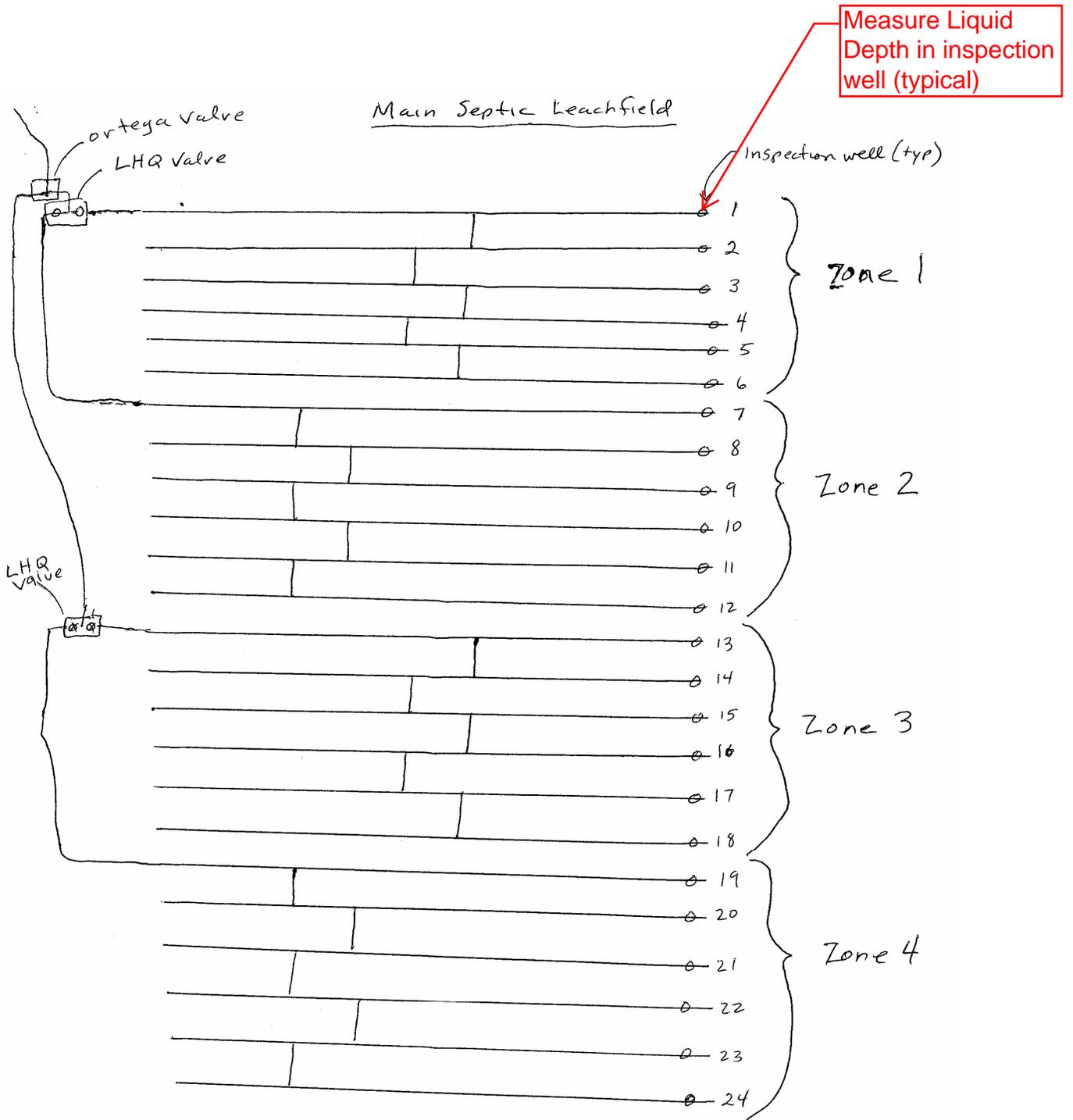
Required laboratory monitoring: None

Additional Notes to Consultants:

- When water levels in various monitoring wells (mounds, sand filters, PDSTs) and/or trench inspection ports are reported, please reconcile well numbers as identified on design plot plan.
Show formula for deriving wastewater flow in gallons per day (e.g. [(dose counter reading x dose) / number of days]).
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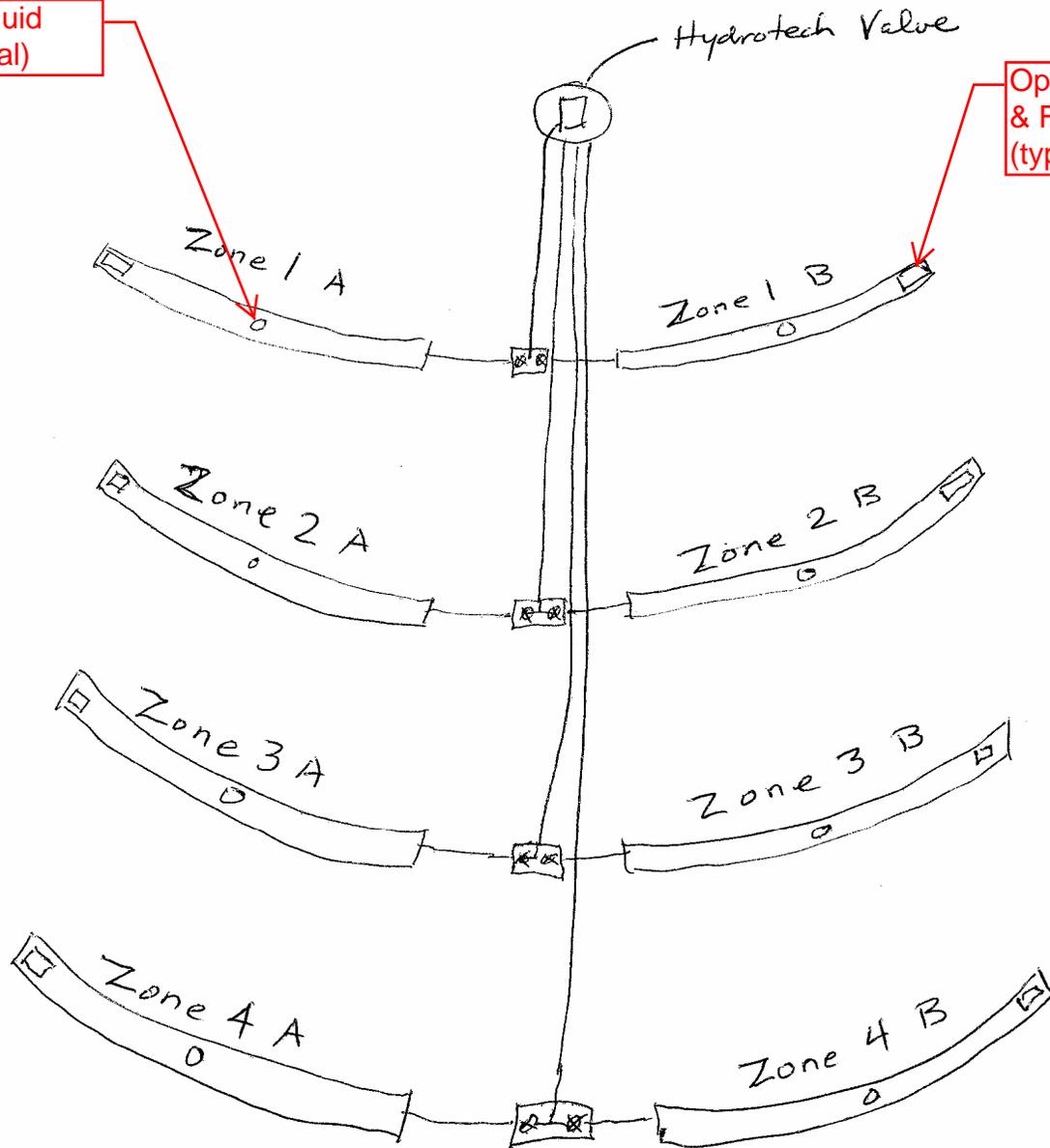


Valve settings:
Zone 1 - Ortega valve handle to left (open to pipe on right; upper LHQ valve up on right, down on left)
Zone 2 - Ortega valve handle to left (open to pipe on right; upper LHQ valve down on right, up on left)
Zone 3 - Ortega valve handle to right (open to pipe on left; lower LHQ valve up on right, down on left)
Zone 4 - Ortega valve handle to right (open to pipe on left; lower LHQ valve down on right, up on left)

Oyster Wash Leachfield Infiltrator System

Measure Liquid Depth (typical)

Open Purge Valve & Flush Pipeline (typical)



DOC910

Check Solids

Check Solids

Test Alarm Float

Test Alarm Float

Test Alarm Float

All 1500 gal Tanks

Clean Filter

Check Solids

Clean Filter

From Rest Rooms

From Oyster Cannery

To oyster wash leachfield
To residential Septic leachfield

