LAUNIUPOKO WATER COMPANY, INC

Your drinking water provider

305 E. Wakea Avenue, Suite 100
Kahului, Maui, Hawaii 96732

Phone: (808) 877-4202
Fax: (808) 877-9409

April 12, 2018

MITIGATION OPTION FOR IRRIGATION WATER

As a result of the March 20, 2018 decision by the Commission of Water Resource Management ('CWRM'), the available supply of irrigation water will be severely reduced until alternative irrigation sources are approved and constructed. As a mitigation measure, Launiupoko Water Company, Inc. (LWC) has established an application and assessment process for customers within the LWC service area who would like to supplement their irrigation water supply with potable water. (Customers should note that potable water rates apply even when used for irrigation.) The current demand for irrigation water exceeds the amount of surplus potable water, therefore each property will be assessed on a case by case basis. The conversion process will take time: There are 376 irrigation connections and each application will need to be processed and reviewed individually, including a physical inspection of the meters. Once a plan is approved for the individual users, permits maybe required before the improvements can be completed. Improvements will then be inspected and approved. For those wishing to use potable water for irrigation, LWC has designed two options that have been approved for installation by the Safe Drinking Water Branch (SDWB). See attached diagram.

Option A keeps both systems connected, so the irrigation water can be switched back with a simple adjustment of valves, however Option A requires a third backflow preventer installed after the two existing backflow preventers to stop non potable water from mixing into the drinking water source. Option B relies on the use of existing backflows, but will require that the physical connection from the non-potable meter to be terminated by installing a tee off the potable meter to connect to the irrigation lines. Approval of each cross connection will be done on a case by case basis. Each lot or connection is required to submit a completed Water Use Assessment Form and Conversion Request (attached). Customers may select a preferred method of connection A or B, but LWC will make the final determination of the connection method. LWC will review the assessments individually and reserves the right to deny or defer approval, with or without cause.

Attachments:

1) Overview of Requirements and Steps for Options A & B
2) Diagram with Option A and Option B connections
3) Water Assessment Application

MITIGATION OPTION FOR IRRIGATION WATER

Overview of Requirements and Steps for Options A and B

All Requests:

1. Submit Completed Assessment form to West Maui Land Company, Inc.
2. West Maui Land Company, Inc. ('WML') will contact customers to schedule a physical inspection of meters and irrigation system.
3. If cross-connection is approved, a deposit in amount of $250 deposit payable to West Maui Land Company, Inc. will be required prior to commencement of the work.

Next Steps for the two Options:

Option A:

A. Owner/Plumber to obtain a County of Maui Backflow installation Plumbing Permit
B. Installation of backflow and related improvements by a LICENSED plumber
C. Final inspection by WML/LWC, Inspection will include testing and tagging of all Backflows by a certified Backflow tester.
D. Copy of certified backflow test submitted to LWC for SDWB records

Option B:

A. Work performed by a LICENSED plumber, contractor or landscaper.
B. Final inspection by WML/LWC
C. Backflow tested approved and tagged by a certified Backflow tester.
D. Final inspection by WML/LWC, Inspection will include testing and tagging of all Backflows by a certified Backflow tester.
E. Copy of certified backflow test submitted to LWC for SDWB records
F. Non Potable meter box will be tamper sealed.

WARNING: The instructions and connection procedure must be followed. Any undocumented or unauthorized cross-connections found without following this process may result in complete disconnection from water service.

LWC understands that the CWRM decision has serious impacts to all irrigation users. LWC must ensure that the critical resource of drinking water remains safe and reliable. By working together we can protect the health, safety and wellbeing of the potable water for many years to come.

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LWC Approved Safe Drinking Water (Potable) Schematic

Mitigation Options for Alternative Supply of Irrigation Water (Non-Potable)

Rev 1.1 04/04/2018

OPTION A:

Keep both water meters active.

- *ADD ADDITIONAL BACK-FLOW PREVENTER*

OPTION B:

Use only potable meter (remove irrigation meter).

- *SWING IRRIGATION BACK-FLOW AFTER POTABLE METER*

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Potable = Drinking Water

Non-Potable = Irrigation Water

The above methods are approved options for connecting your drinking water to supply your irrigation system without compromising the safety or quality of your drinking water. Switching your system over will require a pre-assessment and final approval by LWC. Work performed may require the signature of a licensed plumber. All altered systems will require an inspection by LWC prior to use.

LAUNIUPOKO WATER COMPANY, INC.

YOUR DRINKING WATER PROVIDER

305 E. Wake Ave., Ste 100
Kahului, Maui, Hawaii 96732

Phone: (808) 877-4202
Fax: (808) 877-9409

WATER USE ASSESSMENT FORM & CONVERSION REQUEST

Owner Information:

Name: _____ Phone _____

Mailing Address: _____ Email _____

_____

No. of individuals living in the household: _____ Full time or Part time Residents *(circle one)*

Property Information:

Subdivision _____ Lot no. _____

Property Address: _____ TMK _____

Total Lot Size (acres) _____ CPR Yes or No (circle one)

Landscape area (acres) _____

Agricultural area (acres) _____

Water Usage Information:

Potable (drinking water) avg. monthly use _____ gallons/mo.

Non- Potable (irrigation water) avg. monthly use _____ gallons/mo.

Service Request:

Preference for Crossover Conversion Connection Type: A or B (circle one)
(Final determination on the Crossover Conversion Connection to be made by LWC/WML)

Other Comments or Notes: _____
_____
_____

Submitted by:

The undersigned confirms that the information and statements provided above are true and correct to the best of my/our knowledge.

_____ _____

Name Date Name Date

Completed forms may be mailed to address above or emailed to heidi@westmauiland.com

Launiupoko Water Company, Inc.
WATER USE ASSESSMENT FORM AND CONVERSION REQUEST
April 12, 2018

For Official/Office Use

Meter & Property Information:

LWC Meter No. _____ Owner: _____

LIC Meter No. _____ Service Address: _____

Initial Inspection by WML (name): _____ on (date) _____

_____ Approved for Crossover Design A or B (circle one). _____ Not approved for Crossover

Cost Estimate: Inspections $_____ Crossover connection: $_____

Notes: _____

_____

Plumbing Permit no. _____ Completed on (date) _____

Plumber Name _____ License no. _____

Plumber Contact Information: _____

_____

Final Inspection(s) by WML:

Name: _____ on (date) _____

_____ Fail Comments: _____

Name: _____ on (date) _____

_____ Fail Comments: _____

Name: _____ on (date) _____

_____ Pass _____ Annual Backflow Preventer(s) Inspection, and tagging

The undersigned has inspected the connection and confirms that the work was completed in a workman like manner, in accordance with approved plans.

_____

Name Date