

NOTIFICATION OF APPLICABILITY: Long-Term 1 Enhanced Surface Water Treatment Rule

The Department of Health (DOH) is providing this notification of the applicability of the United States Environmental Protection Agency's (USEPA) Long Term 1 Enhanced Surface Water Treatment Rule (LT1 ESWTR) to public water systems that use surface water or groundwater under the direct influence of surface water (GWUDI) and serve less than 10,000 people. The LT1 ESWTR was published in the Federal Register on January 14, 2002. **The rule became effective January 1, 2005.**

Affected systems include: South Kohala (#130), Upper Kula (#215), Lower Kula (#247), Maunaloa (#231), Mililani Memorial Park (#320) and Waiawa Correctional Facility (#348).

Major rule changes for affected systems include:

- Filtered systems utilizing conventional, direct or approved membrane filtration technologies must comply with strengthened combined filter effluent (CFE) turbidity performance requirements to assure 2-log removal of *Cryptosporidium*. For these systems, the system's filtered water must be less than or equal to **0.3 NTU** (formerly 0.5 NTU) in at least 95 per cent of the measurements taken each month. The turbidity level of representative samples of a system's filtered water must at no time exceed **1 NTU** (formerly 5 NTU). The turbidity requirements for slow sand filtration and diatomaceous earth filtration remain the same under the original SWTR.
- Systems with technologies other than slow sand and diatomaceous earth filtration must now continuously monitor the turbidity of individual filters;
- Systems using conventional filtration or direct filtration technologies must additionally comply with specific follow-up activities based on individual filter monitoring results;
- Systems considering making a significant change to their disinfection practice must determine their current lowest level of microbial inactivation ("disinfection benchmark") and consult with the State for approval prior to implementing the change.

Reporting requirements (including monthly CT) for these changes are generally the same as for the original SWTR.

Please visit the USEPA website: <http://www.epa.gov/safewater/mdbp/lt1eswtr.html> for more information on this new rule. Questions should be directed to Mr. Michael Miyahira of the Safe Drinking Water Branch, Engineering Section, in Honolulu at 586-4258 or via e-mail at: mmiyahira@eha.health.state.hi.us.

USEPA, REGION 9 NOTE: LARGE CAPACITY

EPA's Hawaii Cesspool Factsheet has been replaced by a website. The information on the factsheet is now outdated. Beginning February 11, 2005, the cesspool website may be accessed at the following address:

<http://www.epa.gov/region9/water/groundwater/uic-hicesspools.html>

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2005 LEGISLATURE CONCERNED ABOUT WATER QUALITY

The 2005 Legislative Session is considering a number of bills that focus on the quality of the water you and I drink. The following bills have been referred to the Safe Drinking Water Branch so far this Legislative Session. Based on the activity so far, we might expect a number of resolutions to be introduced about drinking water quality.

S.B. 15, Relating to Water - This bill proposes to amend Chapter 340E, Hawaii Revised Statutes, Safe Drinking Water, to add a prohibition for any “product, substance, or chemical to the public water supply for the purpose of treating or affecting the physical or mental functions of the body of any person.” This bill allows for the addition of chemicals which are intended to make the water safe and potable.

S.B. 16, Relating to Water - This bill also proposes to amend Chapter 340E, H.R.S. It basically is intended to do the same thing as S.B. 15, except that it provides an exception to federal facilities.

H.B. 1035, Relating to Safe Drinking Water - This bill proposes to amend Chapter 340E, H.R.S. to set an MCL for heterotrophic plate count (HPC) in surface water systems of 100 colonies per milliliter. This measure requires that HPC be sampled at the same locations and frequencies as total coliforms.

H.B. 1036, Relating to Safe Drinking Water - This bill proposes to amend Chapter 340E, H.R.S. to set an MCL for heterotrophic plate count (HPC) of 100 colonies per milliliter. This bill goes further to define the MCL. It limits the occurrence of HPC to less than 95% of the samples taken. The violation in this bill would occur if a system failed to meet this requirement in two consecutive months. This measure does not limit the application of the MCL to surface water systems. Like S.B. 1035, it requires sampling at the same frequency and location as routine bacteriological samples.

H.B. 1503, Relating to Making an Appropriation to the Department of Health - This bill proposes a general funded appropriation to the Department of Health for the purpose of providing a grant for treatment works for the upcountry Maui water system. The treatment works is aimed at reducing the harm caused by pseudomonas aeruginosa and other microbes.

H.B. 1627, Relating to Water Conservation - This bill proposes to amend Chapter 342D to prohibit golf courses from irrigating with potable water (exceptions provided), and to provide a definition of potable water. (The proposed definition of potable water is so stringent that water in full compliance with all MCLs would still be classified as non-potable water). In addition, this measure proposes to amend Chapter 174C of HRS to provide the Commission on Water Resources Management authority over recycled waters as waters of the State.

If some of these measures interest you, or may affect you, you may want to provide testimony to support your position. You can find out the next scheduled hearing on these measures on the Legislative Website; www.capitol.hawaii.gov.

We will let you know of the fate of these bills in a later issue of the Water Spot.

ABPA TO CONDUCT RE-CERTIFICATION CLASS

The American Backflow Prevention Association (ABPA) re-certification class will be held on March 31, 2005 on Oahu. The following is the information regarding the class:



- Class: ABPA Re-Certification (one day class)
- Place: Naval Reserve Center, Oahu
- Date: March 31, 2005
- Time: 8:00am - 4:00pm
- Cost: \$200 - ABPA member (must show membership card)
\$253.00 - New member taking re-certification class
\$263.00 - Do not want to be a member, just taking re-certification class

If you have any questions, need additional information, or would like to register for this class, please contact Eric Okazaki (Pural Water) at 242-7299, ext.27.



2005 UH-WRRC SPRING SEMINAR SCHEDULE

Tentative Schedule of Speakers for WRRC Seminar (Spring Semester 2005)

DATE	SPEAKER	TITLE
Mar. 3, 2005	Lorin Pang, Maui District Health Office	"Medical and epidemiological assessment of community complaints following additives to Maui's drinking water"
Mar. 10, 2005	Till Rubbert, Chair of Applied Geology, Ruhr University Bochum (Germany)	"The efficiency of clay-cement-suspensions as grout seals in water wells"
Mar. 17, 2005	Woodie Muirhead, Brown and Caldwell	"Assessment of a research project to use wastewater for irrigation in central Oahu"
April 7, 2005	Ken Kawahara et al. City and County of Honolulu	"Update on sludge treatment and sludge reuse issues and implementation of a new sludge treatment technology for Sand Island Wastewater Reclamation Treatment Facility"
Apr. 21, 2005	Ross Tanimoto, Vic Moreland, Hans Krock. City and County of Honolulu and University of Hawaii	"Update on issues related to ocean discharge of sewage and evaluation of CCH decision to disinfect Sand Island primary treated sewage effluent using Ultra-violet (UH) technology"
May 5, 2005	Watson Okubo. Department of Health, State of Hawaii	"Update on beach monitoring program for fecal indicator bacteria in Hawaii"

SEMINAR LOCATION: Marine Science Building, Room 114

SEMINAR TIME: 3:00 PM

Abstracts for the seminars will be posted on the WRRC's website:

<http://www.wrcc.hawaii.edu/seminarspring05.html>

For additional information call Philip Moravcik at 956-3097 or email morav@hawaii.edu



NEED CEUs? NEW OPPORTUNITIES FOR TRAINING STARTS THIS YEAR

The University of Hawaii's Outreach College will be providing continuing education credits for our public water system operators (WTPOs and DSOs) on all islands starting in 2005.

The Safe Drinking Water Branch obtained startup funds from the EPA to develop a long term continuing education training program for our public water system operators in Hawaii, and the Safe Drinking Water Branch is most fortunate to have the University's Outreach College agree to provide this program. The University will use the EPA funds to develop and initiate the training program, and will be charging tuition fees to maintain a long-term training program after the startup funds are expended. The future tuition fees are unknown at this time since the fees will be dependent on the number of operators on all islands who support the program by attending the Outreach College training courses.

The University's Outreach College will deliver annually, a minimum of one (1) CEU or eight (8) contact hours of training on each island [Kauai, Oahu, Maui, Molokai, Lanai and Hawaii (at Hilo and Kona)].

The University's Outreach College wants to hear about your training needs and will be conducting a survey shortly. Your timely response to their questionnaire will be greatly appreciated. Should you have any questions or additional feedback, please email Pamela Fujita-Starck, Director of Non-Credit Programs at pamelaf@hawaii.edu, or call her at (808)956-2040.

Watch the Water Spot for future articles on this new program to help our operators obtain their continuing education credits. The Water Spot will also be publicizing the operator course announcements.

Please kokua and support the Outreach College when they reach out to help you.

EMERGENCY RESPONSE TRAINING WORKSHOP SCHEDULED

The U.S. Environmental Protection Agency (EPA) Water Security Division, will be hosting a two-day workshop on Kauai from March 29-30, 2005. This two-day workshop will include emergency response training and an emergency response tabletop exercise for water supplier, first responders, and local, state, and federal officials.

The first day of the workshop will consist of background training on emergency response. This will include an extensive review of EPA's Response Protocol Toolbox. This will also include a discussion of NIMS (the National Incident Management System), which describes the nationally acceptable protocol for managing public emergencies ranging from accidents and natural disasters to act of terrorism. This discussion will focus on the Incident Command System (ICS) and activation of Emergency Operations Centers (EOCs). The second day of training will be devoted to a detailed tabletop exercise centered on an intentional contamination event in a public water supply. The goal is to bring representatives of all of the key response agencies together to utilize the guidance provided during the first day of training. This should include personnel from utilities, FBI, state and local police, emergency responders, EPA, state regulatory agencies, state and local health departments, elected officials, and any other agencies or individuals that would be involved in response to such an incident. The training will be conducted by the Texas A&M University, Texas Engineering Extension Service.

The training will be held at the Radisson Kauai Beach Resort. Contact Bill Wong at (808) 586-4258 if you have any questions. To registration, complete the training form (included in this newsletter) and fax it to the Safe Drinking Water Branch at (808) 586-4351 or mail it to Safe Drinking Water Branch, 919 Ala Moana Boulevard, #308, Honolulu, Hawaii 96814. **NO** registration will be taken on the day of the workshop. Deadline for registering will be at the close of business on March 22, 2005.

THIS IS THE SAME TRAINING THAT WAS HELD IN HONOLULU ON OCTOBER 19-20, 2004.

DOH NOTES: BOTTLE BILL REDEMPTION CENTERS

KAUAI (Redemption Centers as of 1/11/05)

Kapaa

Garden Island Disposal
Kojima Store
05-1543 Kuhio Highway
Wednesday 9:00am-3:30pm
Closed for lunch Noon-1:00pm

Kapahi

Reynolds Recycling
5675B Kawaihau Road, Kapaa
Tuesday-Saturday 9:00am-5:00pm
Closed for lunch Noon-1:00pm

Lawai

Garden Island Disposal
02-3687 Kaunualii Highway
Saturday 9:00am-3:30pm
Closed for lunch Noon-1:00pm

Lihue

Garden Island Disposal
2666 Niunalu Road
Monday-Friday 8:00am-4:00pm
Closed for lunch Noon-1:00pm
Saturday 8:00am-Noon

Nawiliwili Harbor

Reynolds Recycling
(Near Hale Kauai)
Corner of Wilcox & Kanoa Street
Tuesday-Saturday 9:00am-5:00pm
Closed for lunch Noon-1:00pm

Princeville

Garden Island Disposal
Prince Albert Park
Emmalani Road & Ka Haku Rd.
Friday 9:00am-Noon

MAUI (Redemption Centers as of 1/11/05)

Kahului

Reynolds Recycling
261 Dairy Road
Monday-Saturday 8:30am-4:30pm
(closed 12:00pm-12:30pm)

Kahului - Maui County Drop Box

Recycling Center
Maui Community College
Aloha Recycling
Wahine Pio Road (between Ka'ahumanu
& Kahului Beach Rd., across MACC)
Wednesday-Sunday 8:00am-5:00pm
*Large loads, 8:00am-12:00pm

Kahului

Aloha Recycling
75 Amala Place off Hobron Ave.
(makai of Hana Highway)
Monday-Saturday 8:00am-4:30pm

Puunene

Maui Disposal - Material Recovery Facility
2000 Mokulele Highway - Central Maui Baseyard
Tuesday-Friday 10:00am-3:00pm
*Large loads 10:00am-12:00pm
Saturday 9:00am-4:00pm
*Large loads 9:00am-12:00pm

Wailuku

Maui Disposal Office
280 Imi Kala Street (across from Post Office)
Tuesday-Friday 10:00am-3:00pm
*Large loads 10:00am-12:00pm
Saturday 9:00am-4:00pm
*Large loads, 9:00am-12:00pm

Kihei - Maui Kihei Drop Box

Recycling Center (off Welakahao Road
between Piilani Hwy. & S. Kihei Road)
Wednesday-Sunday 8:00am-5:00pm
*Large loads, 8:00am-12:00pm

Lahaina

Recycling Center
Keawe Street (across Cannery Mall)
Mauka of Hooapiilani Highway
Wednesday-Sunday 8:00am-5:00pm
*Large loads, 8:00am-12:00pm

HAWAII (Redemption Centers as of 1/11/05)

Hilo

Atlas Recycling
30 Makaala Street
Monday-Friday 8:00am-5:00pm
Saturday & Sunday 8:00am-3:00pm

Keaau

Keaau Transfer Station
Monday, Wednesday-Friday 7:30am-5:00pm
Saturday & Sunday 8:00am-3:00pm
(Closed 1:00pm-2:00pm)

OAHU (Redemption Centers as of 1/11/05)

Aiea

Halawa Industrial Area
99-1160 Iwaena Street
Mon.-Sat., 8 a.m.-5 p.m.

Ewa Beach

(Behind Star Market)
91-919 Ft. Weaver Road
Ewa Beach Shopping Center
Tues.-Sat., 1 p.m.-5 p.m.
** Using Reverse Vending Machine

Haleiwa

Haleiwa Shopping Center
66-145 Kamehameha Hwy.
Tues.-Sat., 1 p.m.-5 p.m.

Hawaii Kai

Hawaii Kai Park and Ride
300 Keahole Street
Tues.-Sat., 9 a.m.-5 p.m.
Closed for lunch, noon-1p.m.

Kahuku

Kahuku Sugar Mill
(Near Kaiser Permanente)
56-565 Kamehameha Hwy.
Hours of Operation To Be Determined

Kailua

Aikahi Park Shopping Center
(Behind Safeway)
25 Kaneohe Bay Drive
Tues.-Sat., 9 a.m.-5 p.m.
Closed for lunch, noon-1 p.m.

Keolu Shopping Center

1090 Keolu Drive Suite C-7
Tues.-Sat., 9 a.m.-6 p.m.
Closed for lunch, noon-1 p.m.
** Using Reverse Vending Machine

Kalama Valley

Kalama Valley Center
501 Kealahou Street
Saturday 9 a.m.-5 p.m.
Closed for lunch, noon-1 p.m.

Makawao - Maui County Drop Box

Recycling Center
Behind Kalama Intermediate School
(on Hale Kipa Road, off Makani Road)
Saturday-Sunday 8:00am-5:00pm
*Large loads, 8:00am-12:00pm

Kailua-Kona

Atlas Recycling
74-5599 Pawai Place
Monday-Friday 7:00am-4:00pm
Saturday & Sunday 8:00am-3:00pm

Waimea

Waimea Transfer Station
Monday, Wednesday-Friday 7:30am-5:00pm
Saturday & Sunday 8:00am-3:00pm
(Closed 1:00pm-2:00pm)

Kalihi

Kalihi Shopping Center
2295 N. King Street
Tues.-Sat., 9 a.m.-5 p.m.
Closed for lunch, noon-1 p.m.

207 Puuhale Road

Mon.-Sat., 9 a.m.-4 p.m.
Saturday 9 a.m.-2 p.m.

Kaneohe

Kaneohe Bay Shopping Center
(Behind Safeway)
46-047 Kamehameha Hwy.
Tues.-Sat., 9 a.m.-5 p.m.
Closed for lunch, noon-1 p.m.

Kapolei

Kapolei Shopping Center
(Next to Safeway)
91-590 Farrington Hwy.
Tues.-Sat., 9 a.m.-noon.

Campbell Industrial

91-165 Kalaeloa Blvd.
Mon.-Sat., 8 a.m.-4 p.m.
Sunday 9 a.m.-1 p.m.

Kunia

Kunia Park and Ride
94-640 Kupuohi Street
Tues.-Sat., 9 a.m.-5 p.m.
Closed for lunch, noon-1 p.m.

Mililani

Town Center of Mililani
(Across from Star Market)
95-1249 Meheula Pkwy.
Tues.-Sat., 9 a.m.-noon

Mililani Mauka

Mililani Mauka Park and Ride
95-1101 Ukuwai Street
Tuesday-Saturday 9 a.m.-5 p.m.
Closed for lunch, noon-1 p.m.

Haiku - Maui County Drop Box

Recycling Center
By Haiku Community Center
Beside Haiku Elementary School
(at Hana Highway & Pauwela Road)
Friday, Saturday 8:00am-5:00pm
*Large loads, 8:00am-12:00pm

Kailua-Kona

Near Kailua-Kona Transfer Station
Monday, Wednesday-Friday 7:30am-5:00pm
Saturday & Sunday 7:30am-6:00pm
(Closed 1:00pm-2:00pm)

Moiliili

(Corner of Beretania & Isenberg)
2424 S. Beretania Street
Mon.-Sat., 9 a.m.-5 p.m.
Closed for lunch, noon-1 p.m.

Nanakuli

Pacific Shopping Center of Nanakuli
(Behind Sack N Save)
87-2070 Farrington Hwy.
Tues.-Sat., 1 p.m.-5 p.m.

Pearl City

Pearl City Shopping Center
(Mauka of Bowling Alley)
850 Kamehameha Hwy.
Mon.-Sun., 9 a.m.-5 p.m.
Closed for lunch, noon-12:30 p.m.

Sand Island

RRR Recycling Center
1020 Ulupono Street
Mon.-Sat., 7:30 a.m.-4 p.m.

Wahiawa

(Former Tamura's Warehouse Outlet)
1001 California Ave.
Tues.-Sat., 9 a.m.-noon

Waipahu

(Next to Times Supermarket)
94-766 Farrington Hwy.
Tues.-Sat., 9 a.m.-5 p.m.
Sunday 10 a.m.-2 p.m.
Closed for lunch, noon-1 p.m.

Waianae

Waianae Shopping Center
(Behind City Mill)
86-120 Farrington Hwy.

Tues.-Sat., 9 a.m.-5 p.m.
Closed for lunch, noon-1 p.m.

MOLOKAI/LANAI (Redemption Centers as of 1/11/05)

Molokai - Naiwa
Recycle Molokai
Molokai ISWM Facility
Mon-Wed, Fri 8:00am-4:30pm
Thurs, Sat & Sn 8:00am-Noon

Lanai - Lanai City
"Old Freight Yard"
Off Ninth Street Extension
Mon, Wed, Fri 1:00pm-5:00pm
Sat 9:00am-Noon

*** LARGE LOADS – MORE THAN 1000 CONTAINERS**

For updated information on the location of the nearest certified redemption center: (1) look for a sign located at the store entrance, (2) check your newspaper, (3) go to www.HI5deposit.com (on the Internet), (4) contact the Department of Health's Solid and Hazardous Waste Branch at (808) 586-4226, or (5) call 2-1-1.

Please send your suggestions, ideas, questions or comments to:

THE WATER SPOT 2005
Safe Drinking Water Branch
State Department of Health
919 Ala Moana Blvd., Room 308
Honolulu, Hawaii 96814

Fax us at (808) 586-4351,
Attn: "THE WATER SPOT 2005"

SDWB WEB SITE:
<http://www.hawaii.gov/health/environmental/water/sdwb>



LINDA LINGLE
Governor of Hawaii

CHIYOME LEINAALA FUKINO, M.D.
Director of Health

LAURENCE K. LAU
Deputy Director for
Environmental Health



We provide access to our activities without regard to race, color, national origin (including language), age, sex, religion, or disability. Write or call our Affirmative Action Officer at Box 3378, Honolulu, HI 96801-3378 or at (808) 586-4616 (voice) within 180 days of a problem.

The Water Spot 2005 (February 2005)
Safe Drinking Water Branch
Environmental Management Division
Hawai'i Department of Health
919 Ala Moana Boulevard, Room 308
Honolulu HI 96814

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