

ABATEMENT CERTIFICATION

Company Name:
County of Maui Dept. of Environmental Management
Lahaina WWRF
Inspection Site: 2200 Main St. Wailuku, HI 96793

Inspection Number: 1342036

Issuance Date: 02/14/2019

List the specific method of correction for each citation item and supporting documentation as appropriate in this **Citation and Notification of Penalty** that does not state "Corrected" and return to: **Department of Labor and Industrial Relations – Hawaii Occupational Safety and Health Division, 830 Punchbowl Street, Room 423, Honolulu, HI 96813.**

Citation 1 Item 1a was corrected on April 30, 2019.

How corrected: A meeting was held on March 15, 2019 with Wastewater Reclamation Division (WWRD) personnel including the Division Engineer, Wastewater Operations Plant Manager, Lahaina Wastewater Treatment Plant Supervisor, Lahaina Wastewater Treatment Plant Operators, Wastewater Operations Training Officer. The County of Maui Risk Management Safety Specialist, Water Department Plant Operations Manager and Treatment Plant Manager were also present. The What-If was developed for the Wastewater Facility at Lahaina. The What-If was compiled by the Wastewater Operations Training Officer. All appropriate persons signed-off on the final draft.

Citation 1 Item 1b was corrected on April 30, 2019.

How corrected: A meeting was held on March 15, 2019 with Wastewater Reclamation Division personnel including the Division Engineer, Plant Manager, Lahaina Wastewater Treatment Plant Supervisor, Plant Operators, Wastewater Operations Training Officer. The County of Maui Risk Management Safety Specialist, Water Department Plant Operations Manager and Treatment Plant Manager were also present. The Process Safety Management Plan Process Hazard Analysis was developed for the Wastewater Facility at Lahaina. The Process Safety Management Plan Process Hazard Analysis was compiled by the Wastewater Operations Training Officer. All appropriate persons signed-off on the final draft.

Citation 1 Item 1c was corrected on April 30, 2019.

How corrected: The process hazard analysis was completed by a team including the Division Engineer, Wastewater Operations Plant Manager, Lahaina Wastewater Treatment Plant Supervisor, Lahaina Wastewater Treatment Plant Operators, Wastewater Operations Training Officer.

Citation 1 Item 1d was corrected on May 21, 2019.

How corrected: All documents are in the possession of the Wastewater Operations Training Officer. As of Friday, May 17, 2019, all gaseous chlorine cylinders have been removed from the facility. There are no further plans to store gaseous chlorine cylinders at the Lahaina Wastewater Treatment Plant.

Citation 1 Item 2 was corrected on March 12, 2019.

How corrected: Chlorine gas system was turned off and locked out. Began using the Accutab Tablets. Training for all Lahaina Wastewater Treatment Plant employees was completed on the use of the Accutab Tablets on April 12, 2019. All Lahaina Wastewater Treatment Plant employees were also trained on the Lock out/Tag out procedures in the chlorine storage facility. Since Chlorine Gas is no longer being used at the Lahaina Wastewater Treatment Plant, the Process Safety Management Program is no longer in effect and operating procedures have changed from chlorine gas to the Accutab Tablet system.

Citation 1 Item 3a was corrected on March 12, 2019.

How corrected: Began using the Accutab Tablets for chlorination. All of the employees at the Lahaina Wastewater Treatment Plant received initial training on the Accutab Tablets. Since Chlorine Gas is no longer being used at the Lahaina Wastewater Treatment Plant, the Process Safety Management Program is no longer in effect and operating procedures have changed from chlorine gas to the Accutab Tablet system.

Citation 1 Item 3b was corrected on March 12, 2019.

How corrected: All employees involved in using the Accutab Tablets received training on the tablets. Training documentation is in the possession of the Wastewater Operations Training Officer. The Process Safety Management Program is no longer in effect at the Lahaina Wastewater Treatment Plant.

Citation 1 Item 4 was corrected on March 12, 2019.

How corrected: The use of gaseous chlorine at the Lahaina Wastewater Treatment Plant was discontinued and locked/tagged out. All vacuum regulators were disposed of. Instead, Accutab Tablets are being used. The Process Safety Management Program is no longer in effect at the Lahaina Wastewater Treatment Plant.

Citation 1 Item 5 was corrected on March 12, 2019.

How corrected: The use of gaseous chlorine at the Lahaina Wastewater Treatment Plant was discontinued and locked/tagged out. Instead, Accutab Tablets are being used. All equipment related to the gaseous chlorine process is no longer required and are not in use. The Process Safety Management Program is no longer in effect at the Lahaina Wastewater Treatment Plant.

Citation 1 Item 6 was corrected on March 12, 2019.

How corrected: The use of gaseous chlorine at the Lahaina Wastewater Treatment Plant was discontinued and locked/tagged out. Instead, Accutab Tablets are being used. All equipment related to the gaseous chlorine process is no longer required and are not in use. The Process Safety Management Program is no longer in effect at the Lahaina Wastewater Treatment Plant.

Citation 1 Item 7a was corrected on March 11, 2019.

How corrected: A Management of Change Request was developed at a meeting on March 11, 2019. The Management of Change was for a change in the process from using gas chlorine to using Accutab Tablets. The Management of Change was compiled by the Wastewater Operations Training Officer. All appropriate persons signed-off on the final draft.

The use of gaseous chlorine at the Lahaina Wastewater Treatment Plant was discontinued and locked/tagged out. Instead, Accutab Tablets are being used. All equipment related to the gaseous chlorine process is no longer required and are not in use. The Process Safety Management Program is no longer in effect at the Lahaina Wastewater Treatment Plant.

Citation 1 Item 7b was corrected on March 11, 2019.

How corrected: A Management of Change Request was developed at a meeting on March 11, 2019. The Management of Change was for a change in the process from using gas chlorine to using Accutab Tablets. The Management of Change was compiled by the Wastewater Operations Training Officer. All appropriate persons signed-off on the final draft.

The use of gaseous chlorine at the Lahaina Wastewater Treatment Plant was discontinued and locked/tagged out. Instead, Accutab Tablets are being used. All equipment related to the gaseous chlorine process is no longer required and are not in use. The Process Safety Management Program is no longer in effect at the Lahaina Wastewater Treatment Plant.

Citation 1 Item 7c was corrected on March 11, 2019.

How corrected: A Management of Change Request was developed at a meeting on March 11, 2019. The Management of Change was for a change in the process from using gas chlorine to using Accutab Tablets. The Management of Change was compiled by the Wastewater Operations Training Officer. All appropriate persons signed-off on the final draft.

The use of gaseous chlorine at the Lahaina Wastewater Treatment Plant was discontinued and locked/tagged out. Instead, Accutab Tablets are being used. All equipment related to the gaseous chlorine process is no longer required and are not in use. The Process Safety Management Program is no longer in effect at the Lahaina Wastewater Treatment Plant.

Citation 1 Item 8a was corrected on March 12, 2019.

How corrected: The use of gaseous chlorine at the Lahaina Wastewater Treatment Plant was discontinued and locked/tagged out. Instead, Accutab Tablets are being used. All equipment related to the gaseous chlorine process is no longer required and are not in use. Emergency planning for chlorine gas is no longer required. The Process Safety Management Program is no longer in effect at the Lahaina Wastewater Treatment Plant.

Citation 1 Item 8b was corrected on March 12, 2019.

How corrected: The use of gaseous chlorine at the Lahaina Wastewater Treatment Plant was discontinued and locked/tagged out. Instead, Accutab Tablets are being used. All equipment related to the gaseous chlorine process is no longer required and are not in use. First Responder Operations level training no longer required. The Process Safety Management Program is no longer in effect at the Lahaina Wastewater Treatment Plant.

Citation 1 Item 9 was corrected on March 12, 2019.

How corrected: Citation 1 Item 8a was corrected on April 12, 2019(?).

How corrected: The use of gaseous chlorine at the Lahaina Wastewater Treatment Plant was discontinued and locked/tagged out. Instead, Accutab Tablets are being used. All equipment related

to the gaseous chlorine process is no longer required and are not in use. The Process Safety Management Program is no longer in effect at the Lahaina Wastewater Treatment Plant.

I attest that the information contained in this document is accurate and that the affected employees and their representative(s) have been informed of the abatement activities mentioned above and of their right to examine and copy this and all other abatement documents submitted to HIOSH.

Signature of the Employer or
Employer's Authorized Representative

Date

Typed or Printed Name

Title

Posting: For posting requirements please refer to Chapter 12-51, Hawaii Administrative Rules.