

Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Central Regional Office • 8 New Bond Street, Worcester MA 01606 • 508-792-7650

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November 21, 2016

Casella Waste Systems, Inc.
25 Green Hill Lane
Rutland, VT 05701

Re: Southbridge Landfill
165 Barefoot Road
Southbridge, MA
RTN 2-0019678

Attention: John Casella
President

IRA Approval
310 CMR 40.0000
M.G.L. c. 21E

Dear Mr. Arps:

On October 23, 2015, Casella Waste Systems, Inc., on behalf of Southbridge Recycling & Disposal Park, Inc. (collectively, "SRDP" or "you") notified MassDEP of a two-hour reporting condition for detections of chlorinated volatile organic compounds (CVOCs) and 1,4-dioxane exceeding the applicable Reportable Concentrations (RCGW-1) in three private drinking water wells on H. Foote Road in Charlton, Massachusetts, near the Southbridge Landfill, as required by 310 CMR 40.0311(6). On October 23, 2015, MassDEP verbally approved you to conduct an Immediate Response Action (IRA) deemed necessary to address the notification conditions detailed above, in accordance with 310 CMR 40.0420.

Immediate Response Actions have been performed under the verbal IRA approval and pursuant to follow-up communications between MassDEP, Casella Waste Systems, Inc., and you as the Licensed Site Professional (LSP) of Record. These actions are described in the IRA Plan submitted on December 22, 2015 and in subsequent IRA Status Reports. MassDEP conditionally approved the IRA Plan in correspondence issued to you on January 12, 2016. Your IRA MassDEP conditionally approved your IRA Plan, submitted on December 22, 2015 in correspondence issued to you on January 12, 2016. The IRA conditional approval included that quarterly and/or monthly potable well sampling for the above-referenced analyses shall be performed until such time that the IRA is considered complete in accordance with 310 CMR 40.0427 and that in addition to meeting the public notification requirements of 310 CMR 40.1403(3)(b) and 310 CMR 40.1403(10), detections of contaminants in any sampled private drinking water well will be communicated verbally to the affected resident, associated Town

This information is available in alternate format. Call Michelle Waters-Ekanem, Diversity Director, at 617-292-5751. TTY# MassRelay Service 1-800-439-2370
MassDEP Website: www.mass.gov/dep

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Board of Health, and MassDEP within 24 hours and communication shall be documented in the following IRA Status Report to be submitted to MassDEP. Property owners are notified by a written Notice of Environmental Sampling pursuant to 310 CMR 40.1403(10). In addition, on August 24, 2016, in light of additional detections and increased concentrations of contaminants of concern detected in private wells, MassDEP required Casella Waste Systems, Inc. to increase the sampling frequency of private drinking water wells within 500 feet of a detection of any contaminant of concern from quarterly to monthly that did not already have a point of entry treatment (POET) system installed.

On October 17, 2016, you submitted a letter to MassDEP, requesting approval to revise sampling result notification requirements associated with residential private well sampling conducted at the Site. Specifically, you proposed to obtain permission from the property owners to provide notification of detections from verbal and/or written to electronic (email) and to provide these notifications within 24 hours via email to residents that choose that option, the Boards of Health, and MassDEP with an email delivery receipt requested; and to provide an electronic copy and summary of the results to the affected resident within 30 days. In addition, you requested clarification to the notification requirement as it applies to homes with POET systems.

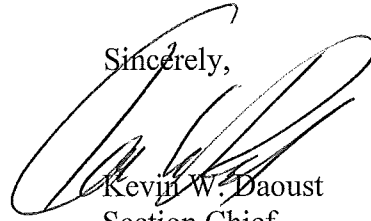
MassDEP has considered your request and hereby grants approval of the revisions with the following conditions:

- If you do not receive a delivery receipt from a resident opting to receive electronic notification within 12 hours, you shall provide follow-up verbal communication to the resident within an additional 12 hours;
- For residents that do not opt to receive electronic notification, you shall continue to provide verbal notification within 24 hours; and
- Within the next IRA Status Report, provide MassDEP a list of the residents and their selected notification method of their results, including physical address of the private well, resident's name, and email address.

Regarding notification requirements as they apply to POET system influent, MassDEP hereby clarifies that the 24-hour notification requirements will also pertain to POET system influent, midpoint and effluent system. Though the installed POET systems are designed and installed to mitigate the chlorinated contaminants of concern and have had some demonstrated ability to mitigate detections of 1,4 Dioxane, they are not designed to be able to remove 1,4 Dioxane from drinking water. Therefore, to address the potential for continued detections of 1,4 Dioxane in private drinking water, you must continue to provide results of all detections as previously approved by MassDEP.

MassDEP appreciates your continued cooperation in this matter. If you have any questions, please do not hesitate to contact me at the letterhead address or by telephone at (508) 767-2805.

Sincerely,



Kevin W. Daoust
Section Chief
Emergency Response
Bureau of Waste Site Cleanup

MEB/KWD
[C&E/INTLET]

ecc: Mary Jude Pigsely, Regional Director, MassDEP-CERO
Mark Baldi, Acting Deputy Regional Director, BWSC, MassDEP-CERO
John Kronopolous, Deputy Regional Director, BAW, MassDEP-CERO
James McQuade, Section Chief, Solid Waste, BAW, MassDEP-CERO
Southbridge Board of Health
Southbridge Town Manager
Charlton Board of Health
Charlton Board of Selectmen
Sturbridge Board of Health
Sturbridge Board of Selectmen
Tracy Markham; SRDP, Inc.
Samuel Nicolai; Casella Waste Systems, Inc.
Gary Magnuson; CMG Environmental, Inc.
Jeffrey Arps, LSP
Nikki Roy, P.G.; Golder Associates Inc.

cc: Database Entry

2-0019678 – Marlborough– Private well sampling Notification Revision