



Angus Jennings <townmanager@hampdenmaine.gov>

RE: Hampden Zoning performance standards

1 message

Churchill, Julie M <Julie.M.Churchill@maine.gov>
To: Angus Jennings <townmanager@hampdenmaine.gov>
Cc: "Pizzuti, Lou S" <Lou.S.Pizzuti@maine.gov>

Thu, May 12, 2016 at 1:11 PM

Thank you Angus,

Regulations that apply to odor at the proposed Solid Waste Processing Facility:

Maine Solid Waste Management Rules: CHAPTER 409 PROCESSING FACILITIES...

Section G. Odor Control

- (1) For facilities other than those that process wastewater treatment sludge from publicly owned treatment works and facilities that process septage: Based upon the location, design, and operational procedures of the proposed facility, the applicant must demonstrate that the facility will not cause an odor nuisance. This demonstration may be done by one or more of the following:
 - (a) A demonstration that the materials handled at the facility do not generate objectionable odors;
 - (b) Comparative studies with similar existing facilities taking into account similarities and differences in materials handled, facility design, throughput, proximity to neighbors, meteorological conditions and topography; or
 - (c) Odor dispersion modeling studies demonstrating that the facility will not cause more than a one hour average odor impact of 2 dilutions to threshold (2D/T), in any calendar year at any occupied buildings.

NOTE: D/T is defined by ASTM Method 679-91, "Standard Practice for Determination of Odor and Taste Thresholds By a Forced-Choice Ascending Concentration Series Method of Limits". The applicant may wish to demonstrate that it will meet this standard at the processing facility's property boundary, to ensure that nuisance odors at occupied buildings will not occur if the areas near the facility are subsequently developed.

(2) For facilities that process wastewater treatment sludge from publicly owned treatment works and facilities that process septage: An odor management plan must be submitted that includes provisions for the prevention and control of nuisance odor during routine operations and construction activities based upon the location, design, and operational procedures of the proposed facility. The odor management plan must include the following information:

- (a) An evaluation of potential process odor and potential off-site influences;
- (b) Proposed methods to prevent nuisance odor which may include systems for the enclosure of nuisance odor-producing materials and processes;
- (c) Proposed methods to control, reduce or eliminate nuisance odor; and proposed uses of technology and an evaluation of the effectiveness of the technology to control, reduce or eliminate nuisance odor;
- (d) Provisions to monitor and formally document facility nuisance odor if identified at the property boundary;
- (e) A procedure to formally record and respond to odor complaints in a timely manner;
- (f) Odor response procedures that include response actions to be implemented after the occurrence of an odor event or the determination of nuisance odor is made. The procedures must outline the responsibilities of facility personnel, notification provisions to the Department and the community, and include potential actions that may be taken along with associated timeframes for implementation;
- (g) Provisions to maintain and store back-up equipment or obtain replacement equipment in a timely manner during shutdown and malfunction events that is critical to the function of the odor control system; and
- (h) Provisions to record odor related information including monitoring data, including any exceedances.

NOTE: The scope and detail required in this plan will be determined by facility-specific conditions including the complexity of the facility and waste type(s). Existing plans may be used to demonstrate compliance provided that they meet, or are modified to meet, the requirements of this section.

This is addressed in their Operations Manual and Tipping Floor Management Plan.

Julie

287-7881

From: Angus Jennings [mailto:townmanager@hampdenmaine.gov]
Sent: Thursday, May 12, 2016 12:34 PM
To: Churchill, Julie M
Subject: Hampden Zoning performance standards

Julie,

Thanks for your time on the phone. The performance standards governing odor in Hampden's Zoning Ordinance are located in Sec. 4.4.1, on page 38 of the Ordinance:

http://www.hampdenmaine.gov/vertical/sites/%7B1FCAF0C4-5C5E-476D-A92E-1BED5B1F9E05%7D/uploads/Zoning_Ordinance_3.2.16.pdf

I'll get in touch with Paul White to get a copy of the Orrington protocols. If you can send the DEP statutory framework and regs/rules, that'd be great; otherwise I'm sure we can track them down.

Thanks,

Angus

—

Angus Jennings
Town Manager

Town of Hampden

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