



Connecticut Department of

**ENERGY &  
ENVIRONMENTAL  
PROTECTION**

**EMERGENCY AUTHORIZATION  
FOR THE STORAGE OF WOOD CHIPS  
RESULTING FROM THE NATURAL DISASTER  
STORM ALFRED**

**EMERGENCY AUTHORIZATION NO. 20112016-EA  
AS AUTHORIZATION HOLDER ISSUED TO:  
All Municipalities and State Agencies of the State of Connecticut**

**A. INTRODUCTION**

Pursuant to section 22a-6k of the Connecticut General Statutes, the Commissioner of Energy and Environmental Protection (the "Commissioner") issues the following Emergency Authorization to address the imminent or immediate danger to the public health, safety and welfare of the citizens of the State of Connecticut in response to the destruction wrought by the natural disaster winter Storm Alfred, herein referred to as the "Event," which struck Connecticut on October 29, 2011.

**B. DEFINITIONS**

**For purposes of this Authorization only, the following terms shall have the following meanings:**

1. **"Disaster debris"** means materials generally considered to be not water soluble and non-hazardous in nature, including but not limited to green waste, furniture, steel, glass, brick, concrete, asphalt roofing material, pipe, gypsum wallboard, and lumber from a structure damaged or destroyed by the Event. It also includes the incidental mixture of asbestos-contaminated debris that cannot be extracted from the disaster debris. The term includes "contaminated soil and/or sediment" and "green waste" as defined below.
2. **"Green waste"** means vegetative matter resulting from the effects of the Event, and includes uprooted vegetation, leaves, branches, and tree stumps.
3. **"Processing"** means transfer and storage, separation and segregation, chipping, grinding, shredding, and crushing. Processing does not include composting, burning or incineration.
4. **"Contaminated soil and/or sediment"** means, as defined in the Department's General Permit for Contaminated Soil and Sediment Management (Staging and Transfer), treated or untreated soil and/or sediment affected by a known or suspected release and determined, or reasonably expected to contain substances exceeding Residential Exposure Criteria or GA Pollutant Mobility Criteria, as these terms are defined in section 22a-133k-1 of Regulations of Connecticut State Agencies. It does not mean contaminated soil and/or sediment that either contains or is considered to be hazardous waste.

5. **“Wood Chip Windrows”** means wood chips are managed in windrows up to 15’ high and 20’ wide at the base.

### **C. PARTIES**

1. The Department of Energy and Environmental Protection (“Department”) is a duly constituted administrative agency of the State of Connecticut, having its principal office at 79 Elm Street, Hartford, CT 06106.
2. Persons who are subject to this Authorization are any municipalities, political subdivisions, or government agencies responsible for disaster debris generated as a result of the Event.

### **D. STATEMENT OF FACTS AND LAW**

1. The strike by Storm Alfred on the state of Connecticut caused widespread damage throughout the State. The affected area comprises the entire state of Connecticut and is referred to herein as the “Emergency Area.”
2. The Governor declared a state of emergency throughout the state of Connecticut, based upon the serious threat to the public health, safety and welfare posed by the Event.
3. The Department finds that the Event has created a state of emergency threatening the public health, safety, and property throughout the Emergency Area. As a result of the emergency, immediate action by Connecticut citizens and State and local governments are necessary to repair, replace and restore structures, equipment, and infrastructures damaged by the Event, all of which require enhanced and/or expedited waste management services.
4. The Department finds that an emergency authorization is required to address the need for immediate action because normal procedures would not result in a sufficiently timely action to address the emergency.
5. Under section 22a-6k of the General Statutes of Connecticut, the Commissioner is authorized to issue this Emergency Authorization.

### **E. SCOPE OF AUTHORIZATION**

Each municipality or state agency (“Authorization Holder”) is hereby authorized, consistent with all terms and conditions of this authorization, to conduct the activities identified herein:

1. Store and manage wood chips resulting from the processing of green waste generated by the Event.
2. Designate a location for the management of wood chips resulting from the processing of green waste generated by the Event.
3. This Authorization is issued to the Authorization Holder for activities at:
  - A. Any municipal facilities.
  - B. Any state facilities.

- C. Any other property owned or leased by either the municipality or state.
4. The Authorization Holder shall document via photographs the pre-Event conditions of the site(s) identified for the activities authorized by this Authorization.
  5. Authorized activities included in the operation of the TDSRS include the staging, processing, and storage of wood chips in windrows for a period of two (2) years.

#### F. TERMS AND CONDITIONS

1. This Authorization is effective statewide.
2. The Authorization Holder shall notify in writing, Robert C. Isner or Gabrielle Frigon of the Department, of the name(s) and address(es) of all the sites at which the authorized activity will take place within forty eight (48) hours of selection or initial placement of waste at the site(s). Within five (5) calendar days of issuance date of this Authorization, the Authorization Holder shall submit the list of sites including names and addresses to the Department in writing via electronic mail or traditional mail.
3. This Authorization applies to facilities owned or operated by a municipality, government agency or political subdivision.
4. **Uncontaminated green waste** may be received, processed and transferred at any emergency TDSRS authorized by the Department to store and process green waste, or at any permitted clean wood waste processing facility. Landfilling of green waste is not permitted.
  - A. Any green waste inadvertently received at the authorized facilities in loads of wastes resulting from the Event shall be:
    - i. immediately segregated from all other wastes; and
    - ii. inspected for signs of the presence of the Asian Longhorn Beetle and the Emerald Ash Borer.

Signs indicating possible Asian Longhorn Beetle infestation can be found at the CT DEP webpage:

[http://www.ct.gov/dep/cwp/view.asp?a=2697&q=421754&depNav\\_GID=1631#signs](http://www.ct.gov/dep/cwp/view.asp?a=2697&q=421754&depNav_GID=1631#signs)

Signs indicating possible Emerald Ash Borer infestation can be found at the CT DEP webpage:

[http://www.ct.gov/dep/cwp/view.asp?a=2697&q=464598&depNav\\_GID=1631](http://www.ct.gov/dep/cwp/view.asp?a=2697&q=464598&depNav_GID=1631)

- B. Any green waste suspected of being infested by either the Asian Longhorn Beetle or the Emerald Ash Borer should be identified at the source of generation and handled in accordance with existing quarantine agreements. Such waste shall be handled separately from other types of waste generated as a result of the Event and shall not be delivered to the authorized facilities.

- C. The Authorization Holder's designated project manager shall conduct a visual assessment for possible pest infestation as part of the on-site daily inspections.
- D. If signs of infestation are observed:
- i. Digital photos and careful identification notes shall be provided to the Connecticut Agricultural Experiment Station (Deputy State Entomologist direct phone line: 203-974-8474; and/or e-mail CAES.StateEntomologist@ct.gov).
  - ii. The infested green waste shall be: segregated from other green waste; marked as segregated; securely stored and kept reasonably intact.
  - iii. Any handling activities (chipping; moving) shall be postponed until an investigator from, or designated by, the Connecticut Agricultural Experiment Station, has examined the potentially infested green waste.
  - iv. Any truck load tickets and other documentation of deliveries shall note whether a pest infestation assessment has occurred.
14. No other disaster debris shall be staged at TDSRSs selected for the staging of wood chip windrows and authorized under this Emergency Authorization.
15. All other disaster debris resulting from the Event may be managed as specified in the Emergency Authorization No. 20112004-EA issued to municipalities and state agencies of the State of Connecticut on October 31, 2011.
16. All other solid waste not generated from activities related to the cleanup of wastes generated by the Event shall be disposed of in accordance with the provisions section 22a-208a of the General Statutes.
17. The Department issues this Emergency Authorization solely to address the emergency created by the Event. This Authorization shall not be construed to authorize any activity within the jurisdiction of the Department except in accordance with the express terms of this Authorization.
18. Any document required to be submitted to the Commissioner under this authorization or any contact required to be made with the Commissioner shall, unless otherwise specified in writing by the Commissioner, be directed to:
- Robert C. Isner, Director  
Bureau of Materials Management and Compliance Assurance  
Department of Energy and Environmental Protection  
79 Elm Street, Hartford, CT 06106-5127  
Phone: (860) 424-3264  
FAX: (860) 424-4059  
E-mail: robert.isner@ct.gov
19. The Authorization Holder shall allow any representatives of the Commissioner to inspect the work authorized herein at reasonable times to ensure that it is being or has been accomplished in accordance with the terms and conditions of this Authorization.

20. This Authorization shall be non-transferable.
21. This Authorization is subject to and does not derogate any present or future property rights or powers of the state of Connecticut, and conveys not property rights in real estate or material nor any exclusive privileges, and is further subject to any and all public and private rights and to any federal, state, or local laws or regulations pertinent to the property or activity affected hereby.
22. Nothing in this Authorization shall eliminate the necessity for obtaining any other federal, state, or local permits or other authorizations that may be required.
23. Any document, including but not limited to any notice, which is required to be submitted to the Commissioner under this Authorization by the Authorization Holder shall be signed by a duly authorized representative or agent of the Authorization Holder and by the individual responsible for actually preparing such document, each of whom shall certify in writing as follows: "I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statement made in this document or its attachments may be punishable as a criminal offense."
24. The Commissioner may order summary suspension of this Authorization in accordance with section 4-182 of the Connecticut General Statutes. This Authorization may be revoked, reissued, modified or suspended in accordance with applicable law.
25. This Emergency Authorization shall take effect immediately and expire two (2) years from the date of issuance of this Authorization unless modified or extended by further Authorization.

Issued on this <sup>th</sup> 17 day of November, 2011.

  
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Yvonne Bolton, Chief  
Bureau of Materials Management and Compliance Assurance

## ATTACHMENT A

### Guidance for the Management of Wood Chip Windrows

#### Site Operation of Wood Chip Windrows

- a. Location:
  1. Wood chip storage sites shall be located in accordance with the following criteria:
    - A. Minimum 500' from occupied buildings;
    - B. Minimum 25' from property line;
    - C. Minimum 250' from water supply well;
    - D. Minimum 150' from surface water, watercourses, and wetlands; and
    - E. Minimum 2' separation between bottom of windrows and underlying solid waste (if located on top of a closed landfill).
- b. Size and Spacing:
  1. Windrows to be no more than 20' wide at the base and 15' high in the center. Start the first windrow 20' from the edge of the wood chip windrow area.
  2. Windrows shall parallel the slope of the ground plane to avoid standing water which can cause odor. Grade pad to a 2-3% slope; do not exceed 5%.
  3. Windrows shall be spaced a minimum of 25' apart to accommodate emergency hauling vehicles and fire protection equipment.
- c. Site Layout, Preparation, Operation, and Monitoring:
  1. Unauthorized dumping and scavenging shall be controlled.
  2. Consider the need for buffer and/or visual screening.
  3. Install stormwater controls, such as silt fences, to prevent discharge of runoff.
  4. Wood chip windrow area shall be constructed of well-drained materials and be designed for heavy equipment use in all seasons.
  5. Roads for ingress-egress shall be laid out to provide safe and easy access and shall accommodate heavy equipment and vehicles in all types of weather conditions.
  6. Install and maintain erosion control measures on site and in problem areas vulnerable to silt and sedimentation.
  7. Windrows shall be monitored for temperature hot spots to minimize potential for spontaneous combustion. Temperature shall be monitored as close to internal center of the windrow as possible in multiple locations. If temperatures approach 300 degrees Fahrenheit then the hot spot should be removed.
- d. Site Remediation/Closure TDSRS: Close in accordance with the TDSRS authorization.