



Disaster Debris Management

Disaster Debris Management: Before and After the Storm



DDMS Overview

Statutory Guidance

Intent of Statute/Guidance

- The intent of the Disaster Debris Management Site Guidance is to clarify the waiver of certain requirements and conditions with regard to solid waste management under a declared state of emergency to expedite response and recovery efforts
- The waiver of certain rules for solid waste compliance are conditional*
- All restrictions, setbacks and cleanup must be adhered to for each site
- * The intent does not eliminate liability for negligence from DDMS while in use



Types of Waste Debris that Types that can be Staged can be Staged/Processed

- **Yard Waste Debris**
- **Construction and Demolition (“C&D”) Debris**
- **Class III Wastes**
- **Ash (from controlled burning of yard wastes)**
- **Mixed Waste Debris (i.e. C&D mixed with yard waste debris)**



Types of Waste NOT Considered Storm Debris

Types of Waste NOT Considered Storm Debris

- **Displaced Marine Vessels**
- **Vehicles (including recreational, agricultural, motorcycles, etc...)**
- **Class I Wastes (Household solid wastes, putrescible wastes, food wastes, animal wastes, etc...)**
- **All other types of waste debris not listed in the allowable disaster debris management listing (i.e. major appliances such as refrigerators, washers and dryers, etc...)**



Public Awareness

Public Awareness

- **Should be advised to separate wastes: e.g. Class I to go to landfill, Class III, C & D, Yard Trash**
- **Makes it easier to segregate when hauling to DDMS sites.**
- **Avoids mixing of wastes that may be recyclable with waste that cannot be recycled.**



DDMS Program Basics

Program Basics

- **Pre-authorize prior to use each season***
- **Information for each site should be updated prior to pre-authorization**
- **Visual assessment to assure the site is usable**
- **A site plan for each site should be developed**

***DDMS pre-authorizations can be done through FDEP Business Portal at:**

<https://www.fldepportal.com/DepPortal/go/home>



DDMS Program Basics

- Sites can be authorized as soon as an Emergency Final Order (EFO) is issued by the Department
 - Activation is preferred prior to use
 - FDEP Personnel field verification during use
 - Each DDMS will need to be closed after the site has been cleared and the EFO has been ended by the governor – FDEP must be contacted prior to closing each site*
- * DDMS Closure procedure addressed later



DDMS Limitations/Setbacks

- **Clean yard waste debris must be staged/stored fifty (50) feet or farther away from all water body sources including wet and wetland areas**
- **Clean yard waste debris must be staged/stored one hundred (100) feet or more from any potable water wells**



DDMS Limitations/Setbacks

- **DDMS staging Class III/C & D Debris or mixed wastes require:**
 - a 500 feet setback from all potable water well supplies
 - a 200 feet setback from all natural or artificial surface water bodies (including and especially wetlands*)
- * Should be documented as pre-existing conditions in use plan



DDMS Limitations/Setbacks

- **If any prehistoric or historical artifacts, vessel remnants associated with Native American cultures, early colonial or American settlement, or maritime history are encountered in site evaluation or at any time prior to, during or after use, ALL potential and actual activities associated with each site MUST CEASE. Notification to the Florida Department of State, Division of Historical Resources, Compliance and Review Section must be immediately notified at (850) 245-6333**



Recommended Site Operation Parameters

- **Each DDMS should have:**
 - **Storm water controls**
 - **Method to control offsite migration of dusts**
 - **Access control**
 - **Spotters in place**



Recommended Site Operation Parameters

- **Controlled Burning of disaster related yard trash and untreated wood is allowable in air curtain incinerators (ACI's) and open pile burning***
- **Open burning of disaster generated yard trash debris must have prior authorization from the Florida Forest Service to conduct open burning.**



Recommended Site Operation Parameters

- *** ACI burn area should have min setback of 50 feet from debris piles, any wildlands, brush, combustible structures, or roads and 300 feet from the nearest occupied buildings**
- *** Ash residue from combustion of vegetative debris may be disposed of in a permitted disposal facility, or may be land applied in areas approved by local government, except in wellfield protection areas, wetlands, or water bodies**
- *** Open burning of debris is prohibited at management sites located at landfills or construction and demolition debris disposal facilities, without specific Department approval**



Recommended Site

Recommended Parameters 4

Operation Parameters

- **Chipping and/or grinding of uncontaminated disaster generated vegetative debris is encouraged to reduce the volume of material**
 - >**In accordance with NFPA, mulch and chip piles (windrows) should not exceed 25 feet in height, 150 feet in width and 250 feet in length, with a minimum aisle width of 30 feet maintained between windrow piles**
 - >**Windrow piles must maintain a 30 foot clearing around the perimeter of the windrow piles**
 - >**These piles may not be compacted**



Recommended Site Operation Parameters

- **All reasonable steps must be taken to minimize release of contaminants from each disaster debris management site. If contaminants are released from the site the responsible party for the site must notify the Department within 24 hours**



Disposal of Disaster Debris

- **Class I Wastes/White Goods:**
 - Not authorized at DDMS
 - Must be disposed of at Class I Landfill
 - Appliances must have the compressors, capacitors and refrigerant removed and recycled to the greatest extent possible
- **Class III Wastes/Mixed Debris**
 - Must be disposed of at a Class I or a Class III Landfill



Disposal of Debris 2

Disposal of Disaster Debris

- **C & D Debris**
 - Can be disposed of at a **Class I, Class III or C & D Landfill**
- **Yard Waste Debris**
 - Can be disposed of at a **Class III, C & D Landfill or a Source-Separated Organic Processing Facility (SOPF)**



Closure of Management

Closure of sites

Sites

- All disaster debris must be removed from the site by expiration of the Emergency Final Order, unless otherwise extended by the Department
- Owners/operators of management sites must contact the Department prior to closing of management sites
- Mulch from processing may be left on-site with prior approval from the Department
- Soils sampling is not required for management sites where only clean unprocessed yard waste debris was staged and/or processed unless contamination is found or suspected



Closure of Management

Closure of sites 2

Sites

Sites that managed Class III, C&D and mixed debris will need to have soils sampling collected and analyzed (includes sites that also managed white goods or other non debris wastes)

- **Sampling Parameters:**

- **RCRA Metals, defined in 40 CFR 261.24, Table 1, using EPA Method 6010 and 6020, and;**
- **Volatile Organic Compounds (VOC's), using EPA Method 8260, and;**
- **Semi-Volatile Organic Compounds (SVOC's), using EPA Method 8270**



Closure of Management Sites

Closure of sites 3

- All sampling shall be conducted in accordance with 62-160 F.A.C. and FDEP Standard Operating Procedure for field activities or equivalent procedures:
 - <https://floridadep.gov/dear/florida-dep-laboratory/content/dep-laboratory-quality-assurance-manual-and-sops>
 - <https://floridadep.gov/dear/quality-assurance>



Closure of Management

Closure of sites 4

Sites

Sampling Frequency:

The following sampling frequency according to the area of debris storage in the site that requires testing is as follows:

- **<1/3 acre = 3 samples**
- **<1/3 acre - 1 acre = 4 samples**
- **>1 acre = 4 samples + 1 sample for each additional 1/2 acre**



FDEP Paperwork

DEP Paperwork

- **Pre-Authorization Letter**
- **Activation Letter**
- **Extension Letter(s)**
- **Closure Letter**
- **Site Reports (Pre-screening, Active Use, Closure)**



Other Considerations for Disaster Debris Management Sites

Other considerations

- **Self-Screening / Site Planned Use Updating Current Management Sites**
 - Do any sites need maintenance (i.e. trees/undergrowth removed)?
 - Is the plan for use still applicable (processing vs. drop-off)?
 - Pre-Authorization Soil Screening on Sites Planned for Class III, C & D or Mixed Debris use
- **Planning / Scouting for Future Management Sites***
 - Population growth and land development
 - Physical screening of potential new sites



Link to DDMS Guidance

Link to guidance document

Document

- https://floridadep.gov/sites/default/files/DDMS_Guidance_Sampling_Protocols_2018_2.pdf



Preauthorization through Portal

DDMS Pre-Authorization through the DEP Business Portal



Pre-Authorization

- **DDMS: Disaster Debris Management Site**
- **EO: Executive Order (Issued by Governor)**
- **EFO: Emergency Final Order (Issued by DEP)**
- **Sign In to the DEP Business Portal via <http://www.fldepportal.com/go>**
- **If possible, try not to use Internet Explorer (IE) as the browser when using the Portal**



Pre-Authorization

Pre-authorization 2

- **DDMS pre-authorization is an annual process**
- **The DEP Business Portal pre-authorization process is **ONLY** for DDMS pre-authorization**
- **Site Information cannot be updated by submitting information through the new site request process**
- **All information marked with an * must be completed correctly for you to move on to the next selection**



Pre-Authorization

Pre-authorization 3

To request DDMS pre-authorization through the DEP Business Portal:

- You must be registered with the Portal
- Site must have a DDMS Responsible Authority (e.g., Lee County) and a DDMS Authorization Contact assigned
- Site must have at least one previous authorization or pre-authorization
- Site must not have a “closed” status

Note: To submit a request for review of a new DDMS, your DDMS Responsible Authority and DDMS Authorization Contact must already be assigned to at least one existing DDMS



DDMS Pre-Authorization



DEP BUSINESS PORTAL

Florida Department of Environmental Protection

[Register](#) | [Already have an account? Sign In](#)

Home

Search the Site:

Welcome

to the

Florida Department of Environmental Protection's Business Portal. If you don't find what you're looking for please come back as we're continually adding to the site.

I would like to:

Apply

To build, repair, operate, discharge, ... see more.

Pay

For fees, invoices, park reservations, ... see more.

Sign Up

For subscriptions, newsletters, notifications, ... see more.

View

Maps, data, reports, ... see more.

Submit

Applications for grants and rebates, AGP Admin. Correction, leave feedback, ...see more.

Continue

A partially completed business transaction or reprint a receipt for a previous transaction.



DDMS Pre-Authorization

Pre-authorization 5

To submit existing sites for pre-authorization, click **submit**







 **BUSINESS PORTAL** **DEP Portal**
Enterprise Solutions

Welcome, [Renee Kwiat](#) [[Sign Out](#)]

Home Search the Site:

Welcome
to the
Florida Department of Environmental Protection's Business Portal. If you don't find what you're looking for please come back as we're continually adding to the site.

I would like to:

 Apply To build, repair, operate, discharge, ... see more.	 Pay For fees, invoices, park reservations, ... see more.	 Sign Up For subscriptions, newsletters, notifications, ... see more.
 View Maps, data, reports, ... see more.	 Submit Applications for grants and rebates, AGP Admin. Correction, leave feedback, ... see more.	 Continue A partially completed business transaction or reprint a receipt for a previous transaction.



DDMS Pre-Authorization

Pre-Authorization 6

Click renewal

The screenshot shows the DEP Business Portal interface. At the top left is the Florida Department of Environmental Protection logo. The main header is a dark blue bar with 'BUSINESS PORTAL' in white text and 'DEP Portal Enterprise Solutions' on the right. Below the header, there is a navigation bar with 'Home » Submit' and a search box. The main content area is titled 'I would like to submit:' and contains a grid of service tiles. The 'Renewal' tile, located in the second row, first column, is circled in yellow. It features a blue circular icon with a white refresh symbol and the text 'Renewal' and 'Submit a renewal.' Other tiles include 'Annual Report', 'Applications', 'Change of Information', 'Feedback', 'PIN Application', 'Registration / Notification', 'Report', 'Supporting Documentation', 'Termination', and 'Updates to an Existing Permit /'.

Home » Submit Search the Site:

I would like to submit:

Annual Report Submit annual operating reports for facilities.	Applications Apply for grants.	Change of Information Changes to addresses, contacts, etc.
Feedback Tell us what you think.	PIN Application Apply for a PIN to sign documents electronically.	Registration / Notification Submit a registration or notification.
Renewal Submit a renewal.	Report Submit data to DEP.	Supporting Documentation Submit documentation for permits / exemptions in process.
Termination Submit a termination.	Updates to an Existing Permit /	



DDMS Pre-Authorization

Pre-Authorization 7

Then click **Disaster Debris Management Site Pre-Authorization**



BUSINESS PORTAL

DEP Portal
Enterprise Solutions

Welcome, Renee Kwiat [Sign Out]

[Home](#) » [Submit](#) » [Renewal](#)

Search the Site:

I want to submit a renewal for:

[Disaster Debris Management Site Pre-Authorization](#)

[Generic Permit for Discharge of Ground Water from Dewatering Operations](#)

[Generic Permit for Discharges from Petroleum Contaminated Sites](#)

[NPDES Notice of Intent](#)

[Operator Certification Program Activity](#)

[Recovered Materials Dealer Certification](#)

[Storage Tank Registration](#)

[Rechargeable Strip](#)



DDMS Pre-Authorization

Sign In

If you've already registered with the DEP sign in below. DEP employees may use their network username to sign-in.

(e.g., wile.e.coyote@domain.com OR coyote_we)

E-mail Address*:

Password*:

[I forgot my password.](#)

Sign In

If not, then [register](#).



DDMS Pre-Authorization

Register

- If you've already registered with the DEP, then [sign in](#).
- If you haven't received your verification e-mail, then we can [re-send your verification email](#).
- If you are a registered user but have forgotten your password, then [reset your password](#).

E-mail Address*:

First Name*:

Middle Name:

Last Name*:

Address (Line 1)*:

Address (Line 2):

City*:

State*:

Zip Code*:

Phone Number*:

In the event you forget your password, enter a question and answer only known to you:

Security Question*:

Security Answer*:

Register





DDMS Pre-Authorization

Pre-Authorization 10

Thanks!

Your registration is almost complete. We have sent you an e-mail in order to verify your e-mail address. Please follow the instructions in the e-mail to verify your account.

Verify E-mail

Congratulations! Your e-mail address has been verified. To complete your registration, please choose a password below. Passwords must be between 8 and 20 characters long and must contain at least one uppercase letter, one lowercase letter, and one number.

What school did you attend for sixth grade?*

New Password*:

Confirm Password*:

Create Password



DDMS Pre-Authorization

- You'll receive a **Confirmation of Submission** e-mail
- E-mail will have a **Pre-Authorization for DDMS** attachment
- E-mail may also have a **Request for Pre-Authorization for DDMS** attachment listing new site(s); these sites are **NOT** Pre-Authorized



DDMS Pre-Authorization

Pre-Authorization 12

For questions about this DEP Business Portal process:

Solid Waste Program Coordinator

(850) 245-8707

SWPP@FloridaDEP.gov

Chad Fetrow

Program Consultant

(850) 245-8785

Chad.Fetrow@FloridaDEP.gov



Questions

Questions?

Renee Kwiat contact info



Renée Kwiat

Renee.Kwiat@FloridaDEP.gov

239-344-5673