



## Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Rick Scott  
Governor

Carlos Lopez-Cantera  
Lt. Governor

Jonathan P. Steverson  
Secretary

*Electronically Sent – Received Receipt Requested*

Jeff Roccapiore, District Manager  
Waste Management Inc. of Florida  
2700 Wiles Road  
Pompano Beach, Florida 33073

Re: Project No. 0112094-011-AC  
Monarch Hill Landfill, Open Flare (EU 017)  
Installation of a Temporary Flare  
Letter of Authorization

Dear Mr. Roccapiore:

The Department acknowledges receipt of your request (dated December 28, 2015) to install a temporary open flare to replace the existing open flare (EU 017) during maintenance work at the Monarch Hill Landfill. According to your request, the smaller flare is necessary to ensure adequate and better controlled flaring capacity during maintenance work. Specifically, the purpose of this project is to obtain approval to install a 3,000 standard cubic feet per minute (scfm) open flare at the Monarch Hill Landfill to temporarily replace the existing and permitted 5,100 scfm open flare during an approximate two to three-month period in early 2016. During this period, maintenance work will be conducted on the landfill gas desulfurization plant and combustion turbines operated at the site. The Monarch Landfill currently operates under Title V Air Operating Permit No. 0112094-008-AV.

Your justification for this temporary flare replacement that was provided in your request is summarized below.

Landfill Gas (LFG) generated from wastes in the landfill is collected by a gas collection system and typically routed to two enclosed flares with a total capacity of 10,900 scfm and/or to a landfill gas desulfurization plant designed to remove sulfur compounds from the LFG. The LFG from the landfill gas desulfurization plant is then directed to combustion turbines for electrical power generation. There is also a permitted 5,100 scfm open flare at the site. According to the latest Title V permit, *"although the open flare is currently used to aid with the startup phase of the combustion turbines, the option to use it as a primary control device for LFGs collected from the landfill is available if needed."*

During the approximate two to three month period scheduled for maintenance of the turbines and landfill gas desulfurization plant, the gases that normally pass through this plant and turbines will have to be flared which is authorized by the current Title V air operating permit. Typically, the two enclosed flares would be sufficient to handle the LFG during the maintenance period. However, due to higher than normal LFG generation, the 5,100 scfm open flare may be need at times to support the enclosed flares. Rather than trying to operate the existing open flare at a high turn-down ratio, which results in less efficient flare operation, Waste Management is requesting to temporarily install a smaller 3,000 scfm open flare during maintenance period. The temporary open flare will operate much more efficiently than the larger open flare due to not requiring such a high turn-down ratio.

### Department's Response

The current Title V permit does allow all the generated landfill gas at the Monarch Hill Landfill to be flared. Consequently, based on the given circumstance, the Department approves your request. Specifically, the Department approves your request with the following provisions:

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1. Notification. Both the Permitting Authority and the Compliance Authority shall be notified by email 48 hours in advance when the following activities occur: when the temporary flare is brought on site; when the temporary flare is initially fired; when the maintenance on the gas desulfurization plant and turbines begins; when the maintenance on the gas desulfurization plant and turbines is completed; and when the temporary flare is removed from the site.
2. Maintenance Period Duration. The duration of the maintenance work on the gas desulfurization plant and turbines shall not exceed 90 consecutive days from the start of maintenance activities. If it appears that this maintenance period duration is going to be exceeded, both the Permitting Authority and the Compliance Authority shall be notified by email 14 days prior to the expiration of the authorized 90 day maintenance period. The notification shall at a minimum include the reason(s) that a maintenance period is being exceeded and the actions being undertaken to minimize the duration of the exceedance. By consultations between the Permitting Authority, the Compliance Authority and the permittee, the allowable duration of the maintenance period exceedance shall be determined and authorized.
3. Air Construction Permit. In the future, if this situation arises again, the permittee shall apply for an air construction permit to permanently authorize the installation of a temporary open flare when maintenance work is being done to the gas desulfurization plant and combustions turbines. This air construction permit will subsequently be incorporated in the Monarch Hill Landfills' Title V air operation permit.

The Department will consider this action final unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, of the Florida Statutes (F.S.). Mediation under Section 120.573, F.S., will not be available for this proposed action.

A person whose substantial interests are affected by the proposed decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel, MS #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000. Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this notice. Petitions filed by any other person must be filed within 14 days of receipt of this proposed action. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Department's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner; the name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when each petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and, (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the permitting authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons

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whose substantial interests will be affected by any such final decision of the permitting authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Any party to this order has the right to seek judicial review of it under Section 120.68, F.S., by the filing of a Notice of Appeal, under Rule 9.110 of the Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000; and, by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within thirty days from the date this notice is filed with the Clerk of the permitting authority.

Executed in Tallahassee, Florida

*For:*

Jeffery F. Koerner, Deputy Director  
Division of Air Resource Management

JK/dlr

### **CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this authorization was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on the date indicated below to the following persons.

Mr. Jeff Roccapriore, Waste Management: ([jroccapr@wm.com](mailto:jroccapr@wm.com))  
David Thorley, Waste Management: ([dthorley@wm.com](mailto:dthorley@wm.com))  
Jim Christiansen, Waste Management: ([jchristi@wm.com](mailto:jchristi@wm.com))  
Max Lee, Koogler and Associates: ([mlee@kooglerassociates.com](mailto:mlee@kooglerassociates.com))  
John Koogler, Koogler and Associates: ([jkoogler@kooglerassociates.com](mailto:jkoogler@kooglerassociates.com))  
Air Program Administrator, Southeast District: ([sed.air@dep.state.fl.us](mailto:sed.air@dep.state.fl.us))  
Mr. Robert Wong, Broward County: ([rwong@broward.org](mailto:rwong@broward.org))  
Ms. Lynn Searce, DEP OPC: ([lynn.searce@dep.state.fl.us](mailto:lynn.searce@dep.state.fl.us))

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.