



NORTH MIAMI
FLORIDA

PUBLIC NOTICE

NOTICE IS HEREBY GIVEN that the City of North Miami, Florida receives an interim remedial action plan approval order issued by then State of Florida and Miami Dade County:

The State of Florida Department of Environmental Protection (FDEP), jointly with the Miami-Dade County Department of Regulatory and Economic Resources' (RER) Division of Environmental Resources Management (DERM), hereby give notice that they are approving a Remedial Action Plan (RAP for the Biscayne Landing site (the former Munisport Landfill), located at 2200 NE 143rd Street, North Miami, Florida. The approval establishes conditions for implementing the second phase of the groundwater recovery system.

This Order will be considered final unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S. Any Party to this Order has the right to seek judicial review of the Order pursuant to Section 120.68, F.S. by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the FDEP in the office of General Counsel, 3900 Commonwealth Boulevard, MS 35, Tallahassee, FL 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 30 days from the date this Order is filed with the Clerk of the FDEP.

The public may inspect the interim remedial action plan approval order in the Office of the City Clerk of the City of North Miami, said office being located in the City Hall, 776 N.E. 125th Street, North Miami, FL 33161 or on the City website at http://www.northmiamifl.gov/departments/city_clerk/public_notices.aspx.

MICHAEL A. ETIENNE, ESQUIRE
CITY CLERK

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
and
MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES

In the Matter of an
Interim Remedial Action Plan submitted by:

Aleem Ghany, City Manager
City of North Miami
776 Northeast 125 Street
North Miami, FL 33161

FDEP OGC Case No.: 95-0403
DERM File No. 12838, SW-1178
Biscayne Landing (f.k.a. Munisport Landfill)
North Miami, Miami-Dade County, FL

PHASE II REMEDIAL ACTION PLAN APPROVAL ORDER

The State of Florida Department of Environmental Protection (FDEP), jointly with the Miami-Dade County Department of Regulatory and Economic Resources' (RER) Division of Environmental Resources Management (DERM), hereby give notice that they are approving a Remedial Action Plan (RAP) for the Biscayne Landing site (the former Munisport Landfill), located at 2200 NE 143rd Street, North Miami, Florida. This approval establishes conditions for implementing the second phase of the groundwater recovery system.

On behalf of the City of North Miami, SCS Engineers, Inc. submitted a Remedial Action Plan (dated December 19, 2011) for the Biscayne Landing site to RER and the FDEP, jointly referred to as the Departments. The RAP along with the responses to the RAP comments (dated April 17, 2012), and supplemental information received via electronic mail (received May 16, 2012) referred to as the Phase I RAP were approved and the approval order executed on August 22, 2012. Subsequently SCS Engineers, on behalf of the City of North Miami submitted a Remedial Action Plan Addendum (RAPA) dated January 9, 2014 and a Remedial Action Plan Addendum Revised dated April 30, 2014. The RAPA and the Revised RAPA are herein referred to as the Phase II RAP for the Biscayne Landing site. The Phase II RAP utilizes a series of fifteen extraction wells located along the eastern and the northeastern perimeter of the site to capture and extract contaminated groundwater and dispose said groundwater via injection into the boulder zone of the Floridan aquifer.

All documents submitted to date for the Phase II RAP, as amended herein, were found by Departmental review to satisfy the applicable requirements of the Consent Agreement executed February 10, 1998 between the City of North Miami and DERM, of Chapter 24 Miami-Dade County Environmental Protection Ordinance (MDCEPO), and of Chapter 62-302, Florida Administrative Code (F.A.C.) The Departments have determined that the actions proposed in the Phase II RAP, provides a reasonable technical approach to groundwater remediation at the site.

Pursuant to the Consent Agreement, Chapter 24, MDCEPO, and the Agreement for Review and Implementation of Remedial Action at the Biscayne Landing (f.k.a. Munisport Landfill) site entered into between DERM and FDEP on May 19, 1998, the Departments hereby approve the Phase II RAP as described in this Order with the conditions listed below.

General Conditions:

1. Operation of the groundwater extraction system including the Phase I component shall continue until groundwater samples obtained from monitoring wells along the eastern and southern perimeter indicate contaminant concentrations have remained within the applicable criteria for a minimum of one year and that the plume is stable and not migrating.

Remedial Conditions:

2. The groundwater extraction system shall be operated such that the recovery of the contaminant mass of ammonia above the saltwater interface is maximized to the extent feasible and the contaminant concentrations demonstrate a downward trend, during the time of operation. Demonstration of the contaminant mass recovery shall be verified through the groundwater and surface water monitoring activities herein approved.
3. Chloride concentrations in the groundwater above the saltwater interface, along southern and eastern property boundary where the groundwater extraction system is located, shall not increase above 10% of background. In evaluating chloride concentrations for compliance with the criteria the responsible party shall account for background concentrations.

Operations and Monitoring Conditions:

4. Significant modifications to the extraction system design or operations, or modifications to the monitoring plan shall be reviewed and approved by the Departments prior to implementation.
5. The groundwater and surface water monitoring plan for the groundwater extraction system shall comply with the monitoring activities specified in Table-1, attached.
6. All field sampling work shall be performed in accordance with the Standard Operating Procedures incorporated by reference in Chapter 62-160, F.A.C. The laboratory analyzing the samples must perform laboratory analyses pursuant to the National Environmental Laboratory Accreditation Program (NELAP) certification requirements.

Reporting and Submittal Conditions:

7. Within 60 days of execution of the Phase II Remedial Action Plan Approval Order construction plans for the Phase II system shall be submitted to the DERM for review and approval.
8. Within 120 days of plan approval the remedial system shall be installed and operational. As-built construction plans for the construction of the Phase II portion of the groundwater extraction system shall be submitted to the Departments within 180 days of plan approval. Any deviation from the approved design shall be indicated on the plans.
9. Monthly progress reports shall be submitted to the Departments by the 15th day of the following month; the monthly report shall represent combined report for both the Phase I and Phase II components of the groundwater extraction system. The monthly reports shall include: laboratory and field reports; summary of data collected (i.e., tables, graphs, and

drawings); and summary of system operations, pump rate, discharge volumes etc. The analytical reports shall include the original laboratory reports, copies of the completed chain of custody records; copies of the completed water sampling log forms; and results from screening test or on-site analyses. All water quality data shall be submitted electronically utilizing ADaPT. Furthermore, any modifications to the extraction system made as a result of the data analysis during the operation shall be summarized, along with the rationale for the change, in the aforementioned reports.

10. Annual reports shall be submitted within 12 calendar months of the start-up of the Phase II portion of the groundwater extraction system and every 12 months thereafter and shall include, at a minimum:

- a. A detailed report documenting the results of the operation of the entire groundwater extraction system (Phase I and Phase II).
- b. An evaluation of the groundwater extraction system, with respect to:
 - i. Impacts on the surface water elevation and salinity in the adjacent wetlands.
 - ii. The effectiveness of the system with respect to the recovery and removal of the ammonia contaminated groundwater and the effects on the ammonia plume.
 - iii. The influence of the recovery system on the groundwater saltwater interface.
- c. All laboratory analytical reports and chain-of-custodies; tables, graphs and drawings summarizing groundwater and surface water results spatially and temporally. The data submitted shall include the results of the weekly and monthly monitoring required pursuant to the Class I Injection Well Permit issued by the FDEP on December 27, 2011 for injection well IW-1). As previously mentioned, all water quality data shall be provided electronically utilizing ADaPT.
- d. Recommendation for modification to the system, monitoring and reporting frequency etc., as applicable.

All other time frames for construction, implementation, monitoring and operation of the active remediation system shall be as required by the Consent Agreement executed February 10, 1998 between the City of North Miami and RER (f.k.a. DERM). All required approvals and permits from any other sections or regulatory agencies must be obtained. Implementation of the Phase II RAP as approved herein shall be subject to the same provisions of paragraphs 22 through 27 of the Consent Agreement.

Any modifications or other related approvals that result in agency action shall be subject to the provisions of the Florida Administrative Procedure Act, Chapter 120, F.S. Any timely petitions for formal administrative hearings shall be referred to the Division of Administrative Hearings (DOAH) for the assignment of an administrative law judge, if the petitions are submitted pursuant to Chapter 120, F.S., and satisfy the requirements set forth in the applicable rules of the DEP and the Uniform Rules of Procedure, Chapter 28-106, Florida Administrative Code.

Respondent shall publish the attached State of Florida Department of Environmental Protection and Miami-Dade County Department of Regulatory and Economic Resources Notice of Remedial Action Project Approval Order in a newspaper of daily circulation in Miami-Dade County, Florida. The notice shall be published one time only within 7 days after the effective date of this Order. Proof of publication shall be submitted to the RER office and the FDEP Southeast District Office by furnishing a uniform affidavit in substantially the form prescribed in Section 50.051, Florida Statutes.

This Order will be considered final unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S. The procedures for petitioning for a hearing are set forth in the attached Notice.

Any Party to this Order has the right to seek judicial review of the Order pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the FDEP in the Office of General Counsel, 3900 Commonwealth Boulevard, MS 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 30 days from the date this Order is filed with the Clerk of the FDEP.

EXECUTED this _____ day of _____, 2014



Wilbur Mayorga, P.E., Chief
Environmental Monitoring & Restoration Division
Department of Regulatory and Economic
Resources
701 N.W. 1st Court
Miami, Florida 33136-3912

 For J. Caspary

Jorge Caspary, P.G., Director
Division of Waste Management
Florida Department of Environmental
Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to §120.52(11), Florida Statutes, with the designated Department clerk, receipt of which is hereby acknowledged.

Socorro Sanchez
Clerk

7/28/14
Date

CERTIFICATE OF SERVICE

I, the undersigned designated Department clerk, HEREBY CERTIFY that a true and correct copy of the foregoing has been sent by email to Mr. Aleem Ghany, Manager, City of North Miami, 776 Northeast 125 Street, P.O. Box 610850, North Miami, FL 33261-0850, on this 28 day of July, 2014.

Socorro Sanchez
Clerk

Copies furnished to:

Wilbur Mayorga, P.E., RER
Jorge Caspary, P.G., Director, FDEP, Tallahassee
Lee Martin, P.E., FDEP, Tallahassee
Peter Grasel, P.G., FDEP, Tallahassee
Eduardo Smith, P.E., SCS ES Engineers, Inc.

TABLE-1
Water Quality Monitoring Program
Biscayne Landing (EKA Murriscott), North Miami, Florida

| Sample ID | Sample Location Surface water | Number of locators | PARAMETERS | | | Frequency |
|--------------------------------------|---|-----------------------|-------------|----------|---------------------------|--|
| | | | Water Level | Salinity | Chloride, TDS, Ammonia | |
| MF-SE | Mergrove Preserve (MP) | 1 | x | | | continuously |
| SG-9D-2, D-6 | Southern Altered Mergrove Preserve (SAMP) | 2 | x | | x | 1) monthly gauging 2) monthly sampling for Chlorides |
| SW-14, MRL-1 | Northern Altered Mergrove Preserve (NAMP) | 2 | | | x | 3) quarterly sampling for ammonia |
| D-5, D-7 | | 1 | x | | x | |
| SG-1/AM1, SG-9D-1, SG-X* | | 3 | x | | x | |
| SG-4 | | 1 | x | x | x | |
| SW-2B | Bassett's Tract | 1 | | | x | |
| Total Locations | | 12 | 8 | 1 | 11 | |
| Groundwater | | | | | | |
| Western Portion of the Site | | | | | | |
| GMW-28ER, GMW-28R, C-2S, GMW-37 | ZONE 2 | 4 | x | | | |
| R-6, R-7, R-8 | ZONE 1 | 3 | x | | | |
| BM-3R | ZONE 2 | 1 | x | | x | |
| GMW-28ER, GMW-41 | ZONE 3 | 2 | | | x | |
| Eastern Property Boundary | | | | | | |
| LIT-3, HMM-6E U-1 | ZONE 1 | 3 | x | | x | 1) monthly gauging of the wells in the northern eastern portion of the site served by the Phase II extraction wells. |
| HMM-2F | | 1 | x | | x | 2) quarterly gauging of the other wells |
| R-4, R-5 | | 2 | x | | x | |
| HMM-12ER, HMM-14E | | 2 | x | | x | |
| R-2, R-3 | | 2 | x | | x | |
| FOUW-28ER, FOUW-6A, HMM-4E, FOUW-8ER | | | | | | |
| Southern Property Boundary | | | | | | |
| MW-4S | ZONE 1 | 1 | x | | x | |
| MW-11B, MW-11, MW-6, MW-1 | ZONE 2 | 4 | x | | x | |
| R-1 | ZONE 3 | 1 | x | | x | |
| GM-4 | ZONE 4 | 1 | x | | x | |
| Total Locations | | 30 | 28 | | 18 | |
| Early Indicator Wells | | | | | | |
| HMM-2E, HMM-4E* | ZONE 1 | 2 | | | x | |
| MW-3D, MW-4D, FOUW-28RT | ZONE 2 | 3 | | | x | |
| MW-1D, MW-2D | ZONE 3 | 2 | | | x | |
| MD-3D, MW-6D, MW-7D, GM-4* | ZONE 4 | 4 | | | x | |
| Total Locations | | 11 | | | 11 | |
| Extraction Wells | | | | | | |
| EW-1 - EW-16 | Phase 1 Extraction Wells | 16 | x | | x | |
| EW-17 - EW-27 and EW-T1 - EW-T4 | Phase 2 Extraction Wells | 15 | x | | x | monthly gauging and sampling for ammonia and chlorides |
| Total Locations | | 31 | 31 | | 31 | |
| Effluent | | | | | | |
| | Pump station | 1 | | | x | monthly |
| Total Locations | | 1 | | | 1 | |

Note:
** Additional gas and surface water monitoring station to be located within the NAMP east of the recovery wells and west of AM2. This sampling matrix will be evaluated and modified post one year of operation of the entire extraction system.