

MEMORANDUM

Agenda Item No. 8(O)(7)

TO: Honorable Chairman Anthony Rodriguez
and Members, Board of County Commissioners

DATE: June 26, 2025

FROM: Geri Bonzon-Keenan
County Attorney

SUBJECT: Resolution approving the Certification of Financial Responsibility pursuant to Rule 62-528.435(9) of the Florida Administrative Code for the operation of one Class I underground injection well and one associated dual-zone monitoring well at the future location of Miami-Dade County's South Miami Heights Water Treatment Plant; and authorizing the County Mayor to execute same for and on behalf of Miami-Dade County and to exercise the provisions contained therein

Resolution No. R-618-25

The accompanying resolution was prepared by the Water and Sewer Department and placed on the agenda at the request of Prime Sponsor Vice Chairman Kionne L. McGhee.


Geri Bonzon-Keenan
County Attorney

GBK/uw

Memorandum



Date: June 26, 2025

To: Honorable Chairman Anthony Rodriguez
and Members, Board of County Commissioners

From: Daniella Levine Cava *Daniella Levine Cava*
Mayor

Subject: Resolution Approving the Certification of Financial Responsibility pursuant to Rule 62-528.435(9) of the Florida Administrative Code for Deep Injection Well and Dual-Zone Monitoring Well at the County's Future South Miami Heights Water Treatment Plant

Executive Summary

The Certification of Financial Responsibility serves to affirm that Miami-Dade County (the County) possesses the necessary financial resources to execute the closure, plugging, and abandonment of one (1) Class I Underground Injection Well and one (1) associated Dual-Zone Monitoring Well located at the future South Miami Heights Water Treatment Plant (SMHWTP).

This certification is a fundamental requirement in the Florida Department of Environmental Protection (FDEP) permit renewal application and approval process. Currently, the Miami-Dade Water and Sewer Department (WASD) is actively engaged in the renewal process for the Class I Injection Well Construction and Testing Permit Application (FDEP Permit No. 0324479-002-UC/1X) for existing Injection Well SMHIIW-1B. As such, the approval of this item by the Board of County Commissioners (the Board) is critical to the County's future water supply and disposal planning efforts to ensure resilient infrastructure, sustainability, and environmental protection, for a cleaner, stronger and more resilient Miami-Dade.

Recommendation

It is recommended that the Board adopt the attached resolution that approves the Certification of Financial Responsibility pursuant to Rule 62-528.435(9) of the Florida Administrative Code (F.A.C.). The Certification of Financial Responsibility is attached hereto as Exhibit A and confirms that the County has the necessary financial resources to close, plug and abandon one (1) Class I Underground Injection Well (SMHIIW-1B) and one (1) Dual-Zone Monitoring Well (SMHDZMW-1) at the SMHWTP. This certification is a requirement of the FDEP permit renewal application and approval process.

Scope

The SMHWTP is located at 11800 S.W. 208th Street, Miami, Florida 33177 in Commission District 9, which is represented by Vice Chairman Kionne L. McGhee. Due to the nature of the project, and the implications it has to the County's future water supply, this item is of countywide significance.

Fiscal Impact/Funding Source

There is no fiscal impact related to Board approval of this Certification of Financial Responsibility. There will only be a fiscal impact if a well is plugged and abandoned. In the event any of the wells need to be plugged and abandoned, the estimated cost for each well is itemized on Exhibit B attached

hereto. The funding source for plugging and abandoning a well is WASD Sewer Operations and Maintenance Revenue.

Track Record/Monitor

WASD's Assistant Director of Planning and Regulatory Compliance, James Ferguson, P.E., will ensure compliance with the requirements of the FDEP permit application.

Delegation of Authority

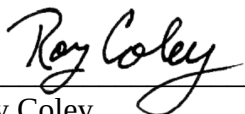
The permit renewal application for Injection Well SMHIIW-1B at the SMHWTP requires an update to the Certification of Financial Responsibility, which was last adopted by this Board in May 2020 via Resolution No. R-411-20. Through this item, the County Mayor or County Mayor's designee will be delegated authority to execute and submit the updated Certification of Financial Responsibility to the FDEP on the County's behalf.

Background

Though the South Miami Heights (SMH) Injection Well (IW) system was permitted for a Class V Exploratory system, it was designed to comply with Class I requirements so that the system classification could be converted later. Construction and testing of both SMHIIW-1B and SMHDZMW-1 is complete and is in accordance with the design specifications. The results of testing performed during the construction of SMHIIW-1B and SMHDZMW-1 confirm that the wells have mechanical integrity.

In October 2020, FDEP issued Permit No. 0324479-002-UC/1X to WASD for the SMH IW system (SMHIIW-1B and SMHDZMW-1), which allowed the system to be recategorized from a Class V Exploratory Well to a Class I Injection Well. The County now needs to renew the above-referenced Permit, which expires on October 7, 2025, and the Certification of Financial Responsibility is a necessary part of the Construction and Testing Permit Renewal Application. Specifically, in accordance with Rule 62-528.435(9), F.A.C., the County must demonstrate it has the ability to maintain the financial responsibility and resources necessary to close, plug, and abandon the underground injection operations as a condition to the issuance of any injection well permit. The Certification of Financial Responsibility, attached as Exhibit A, confirms the County's ability to comply with Rule 62-528.435(9), F.A.C.

Attachments

A handwritten signature in black ink, appearing to read "Roy Coley", is written over a horizontal line.

Roy Coley
Chief Utilities and Regulatory Services Officer

Exhibit A

Certification of Financial Responsibility

CERTIFICATION OF FINANCIAL RESPONSIBILITY

The County of Miami-Dade, a unit of local government of the State of Florida, hereby certifies that it has unconditionally obligated itself to have the financial resources necessary to close, plug, and abandon its Class I underground injection well(s) and related monitoring wells, as required by Chapter 62-528, Florida Administrative Code. It is further understood that the cost estimate to conduct plugging and abandonment, established in April 2025, shall be reviewed on an annual basis and this obligation shall incorporate accumulated inflation costs. An annual adjustment exceeding 10 percent in any one year shall require submission of an updated certification form.

Facility where the wells will be located and operated:

Facility Name: South Miami Heights Water Treatment Plant

Facility Address: 11800 S.W. 208th Street, Miami, Florida, 33177

Facility Contact: James Ferguson, P.E., Assistant Director

Phone Number: 786-552-8756

Latitude/Longitude of Facility: 25° 34' 17.18" N / 80° 22' 41.49" W

DEP/EPA WACS Number: 101713

Total Current Plugging and Abandonment Cost Estimate (all wells): \$564,834

List of facility injection and associated monitoring well(s) covered by this Certification:

Injection Well SMHIIW-1B

DEP/EPA WACS Number: 13996

Latitude/Longitude of Injection Well: 25° 34' 17.18" N / 80° 22' 41.49" W

Current Plugging and Abandonment Cost Estimate: \$ 408,367

Monitoring Well SMHDZMW-1

DEP/EPA WACS Number: 29318A/B

Latitude/Longitude of Injection Well:

25° 34' 17.18" N / 80° 22' 41.49" W

Current Plugging and Abandonment Cost Estimate:

\$ 156,467

It is hereby understood that the cancellation of this certification may not take place without the prior written consent of the Secretary of the Florida Department of Environmental Protection.

(Signature)

Daniella Levine Cava

(Print Name)

Mayor of Miami-Dade County

(Title)

(Date)

APPROVED AS TO FORM:

Office of the County Attorney

STATE OF FLORIDA
COUNTY OF MIAMI-DADE

Sworn to (or affirmed) and subscribed before me this _____ day of _____ 2025, by

_____ of the Miami-Dade County, who is personally known

to me,

(SEAL)

Exhibit B

Estimated Plugging and Abandonment Cost for Each Well

Exhibit 16
WASD South Miami Heights WTP Injection Well System
Plugging and Abandonment Opinion of Cost
Apr-2025

	Unit Cost	Unit	Number of Units	April 2025 Total Cost
WASD South Miami Heights WTP Injection Well				
1 Mobilize the drill rig and kill the well	\$95,000	LS	1	\$95,000
2 Remove Wellhead	\$25,000	LS	1	\$25,000
3 Geophysical logging	\$17,500	LS	1	\$17,500
4 Install gravel in the injection zone open hole from 2,780 feet to 3,500 feet bls	\$25	CF	1,593	\$39,814
5 Fill the 16.37-inch Inside Diameter (ID) FRP final casing from 2,780 feet bls to land surface with neat cement	\$25	CF	4,075	\$101,877
6 Complete below ground/add monument	\$12,500	LS	1	\$12,500
Plug and Abandonment of Injection Well Only Cost				\$291,691
20 Percent Contingency				\$58,338
20 Engineering Fees				\$58,338
TOTAL ESTIMATED COST PER INJECTION WELL				\$408,367
WASD South Miami Heights WTP Dual-Zone Monitoring Well				
Lower Monitoring Zone				
1 Mobilize the drill rig and kill the well	\$25,000	LS	1	\$25,000
2 Remove Wellhead	\$15,000	LS	1	\$15,000
3 Geophysical logging	\$15,000	LS	1	\$15,000
4 Install gravel in the Lower Monitoring Zone open hole from 1,760 feet to 1,821 feet bls	\$25	CF	50	\$1,248
5 Fill the 5.97-inch OD FRP final casing from 1,760 feet bls to land surface with neat cement	\$25	CF	290	\$7,240
Upper Monitoring Zone				
1 Install gravel in the annular space between the 16-inch OD steel final casing and 5.97-inch OD FRP final casing from 1,450 feet to 1,490 feet bls	\$25	CF	35	\$875
2 Fill annular space between the 16-inch OD final steel casing and 5.97-inch OD FRP final casing from 1,450 feet bls to land surface with neat cement	\$25	CF	1,496	\$37,399
3 Complete below ground/add monument	\$10,000	LS	1	\$10,000
Plug and Abandonment of Dual Zone Monitoring Well Only Cost				\$111,762
20 Percent Contingency				\$22,352
20 Engineering Fees				\$22,352
TOTAL ESTIMATED COST FOR MONITORING WELL				\$156,467
TOTAL ESTIMATED COST - ONE INJECTION WELL				\$408,367
TOTAL ESTIMATED COST - ONE MONITORING WELL				\$156,467
TOTAL				\$564,834

- 1 This cost estimate does not include monitoring or testing prior to abandonment.
2 Costs assume each well is abandoned at different times.
3 Costs do not assume post-closure monitoring.



MEMORANDUM

(Revised)

TO: Honorable Chairman Anthony Rodriguez
and Members, Board of County Commissioners

DATE: June 26, 2025

FROM: 
Glen Bonzon-Keenan
County Attorney

SUBJECT: Agenda Item No. 8(O)(7)

Please note any items checked.

- ☐ "3-Day Rule" for committees applicable if raised
- ☐ 6 weeks required between first reading and public hearing
- ☐ 4 weeks notification to municipal officials required prior to public hearing
- ☐ Decreases revenues or increases expenditures without balancing budget
- ☐ Budget required
- ☐ Statement of fiscal impact required
- ☐ Statement of social equity required
- ☒ Ordinance creating a new board requires detailed County Mayor's report for public hearing
- ☐ No committee review
- ☐ Applicable legislation requires more than a majority vote (i.e., 2/3's present ____, 2/3 membership ____, 3/5's ____, unanimous ____, majority plus one ____, CDMP 7 vote requirement per 2-116.1(3)(h) or (4)(c) ____, CDMP 2/3 vote requirement per 2-116.1(3) (h) or (4)(c) ____, CDMP 9 vote requirement per 2-116.1(4)(c) (2) ____) to approve
- ☐ Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 8(O)(7)
6-26-25

RESOLUTION NO. _____ R-618-25

RESOLUTION APPROVING THE CERTIFICATION OF FINANCIAL RESPONSIBILITY PURSUANT TO RULE 62-528.435(9) OF THE FLORIDA ADMINISTRATIVE CODE FOR THE OPERATION OF ONE CLASS I UNDERGROUND INJECTION WELL AND ONE ASSOCIATED DUAL-ZONE MONITORING WELL AT THE FUTURE LOCATION OF MIAMI-DADE COUNTY'S SOUTH MIAMI HEIGHTS WATER TREATMENT PLANT; AND AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXECUTE SAME FOR AND ON BEHALF OF MIAMI-DADE COUNTY AND TO EXERCISE THE PROVISIONS CONTAINED THEREIN

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board hereby approves the Certification of Financial Responsibility, pursuant to Rule 62-528.435(9) of the Florida Administrative Code, as required by the State of Florida Department of Environmental Protection, in connection with the operation of one Class I underground injection well and one associated dual-zone monitoring well at the future location of Miami-Dade County's South Miami Heights Water Treatment Plant, in substantially the form attached to the accompanying memorandum as Exhibit A and made a part hereof. The Board also authorizes the County Mayor or County Mayor's designee to execute same for and on behalf of Miami-Dade County, Florida and to exercise the provisions contained therein.

The foregoing resolution was offered by Commissioner **Kionne L. McGhee**, who moved its adoption. The motion was seconded by Commissioner **Marleine Bastien** and upon being put to a vote, the vote was as follows:

Anthony Rodriguez, Chairman	aye		
Kionne L. McGhee, Vice Chairman	aye		
Marleine Bastien	aye	Juan Carlos Bermudez	aye
Sen. René García	aye	Oliver G. Gilbert, III	aye
Roberto J. Gonzalez	aye	Keon Hardemon	absent
Danielle Cohen Higgins	aye	Eileen Higgins	absent
Natalie Milian Orbis	aye	Raquel A. Regalado	aye
Micky Steinberg	aye		

The Chairperson thereupon declared this resolution duly passed and adopted this 26th day of June, 2025. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this Resolution and the filing of this approval with the Clerk of the Board.



MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

JUAN FERNANDEZ-BARQUIN, CLERK

By: **Basia Pruna**
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

SED

Sarah E. Davis