

MEMORANDUM

Agenda Item No. 8(O)(1)

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

DATE: July 1, 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 nine Class I
underground injection wells and
six related monitoring wells at
Miami-Dade County's North
District Wastewater 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-670-25

The accompanying resolution was prepared by the Water & Sewer Department and placed on the agenda at the request of Prime Sponsor Commissioner Micky Steinberg.



Geri Bonzon-Keenan
County Attorney

GBK/ks

Memorandum



Date: July 1, 2025

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

From: Honorable 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 Underground Injection Wells and Related Monitoring Wells at the County's North District Wastewater Treatment Plant

Executive Summary

The Certification of Financial Responsibility serves to affirm that the County possesses the necessary financial resources to execute the closure, plugging, and abandonment of nine (9) Class I underground injection wells and six (6) associated monitoring wells located at the North District Wastewater Treatment Plant (NDWWTP). 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 both the Class I Municipal Operation Permit Application (FDEP Permit No. 057792-021-024-UO/1M) for existing injection wells IW-1 through IW-4, and the Construction and Testing Permit Application (FDEP Permit No. 061787-043-045-UC/1M) for newly constructed wells IW-5 through IW-9. As such, the approval of this item is critical to the County's Ocean Outfall Legislation (OOL) Compliance Plan.

The OOL program is a state-mandate that requires the elimination of normal use of the ocean outfalls for treated wastewater effluent disposal, reduction of nutrient discharge by implementing advanced wastewater treatment or equivalent, and implementing technically, environmentally, and economically feasible reuse for 60 percent of the base wastewater flows. This certification will help ensure compliance with these state guidelines by demonstrating the County's financial readiness to support critical infrastructure upgrades and long-term operational responsibilities. This program contributes to the County's broader 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.

This Certification of Financial Responsibility confirms that the County has the financial resources necessary to close, plug and abandon nine (9) Class I underground injection wells and six (6) related monitoring wells at the NDWWTP. This certification is a requirement of the FDEP permit renewal application and approval process.

Scope

This item is of countywide significance because the County's wastewater system is interconnected. The injection wells and monitoring wells are located at the NDWWTP in District 4, which is represented by Commissioner Micky Steinberg.

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 Sewer Operations and Maintenance Revenue.

Track Record/Monitor

WASD's Deputy Director, Planning, Regulatory Compliance and Capital Infrastructure, Marisela Aranguiz-Cueto, P.E., will ensure compliance with the requirements of the FDEP permit application.

Delegation of Authority

The permit renewal applications for injection wells IW-1 through IW-9 at the NDWWTP require an update to the Certification of Financial Responsibility for the NDWWTP, which was last adopted by the Board in June 2019 via Resolution No. R-608-19. 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

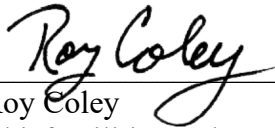
The NDWWTP is located at 2575 Northeast 156th Street, North Miami Beach, Florida, and was constructed within a five-year period from July 1975 through December 1980 to dispose of secondary treated domestic effluent through ocean outfall. Subsequently, to address peak flow issues, between 1994 and 1997, WASD constructed an injection well (IW) system consisting of four (4) Class I municipal IWs and four (4) associated Floridan aquifer monitor wells to meet all effluent discharge demands. The existing monitoring wells (FA-1R through FA-4R) are used to monitor the groundwater quality above the injection zone.

To comply with the State's Ocean Outfall Legislation, which mandates that all ocean outfalls statewide cease operations on December 31, 2025, the County constructed an additional five (5) injection wells and two (2) monitoring wells at the NDWWTP in 2024. The total injection well disposal capacity at the NDWWTP with all nine (9) IWs is 167.85million gallons per day (mgd), and the treated effluent is discharged into an underground formation known as the Boulder Zone.

WASD is submitting to FDEP a Class I underground injection well operation permit renewal application for the continued operation of the existing injection well system (IW-1 through IW-4 and FA-1R through FA-4R) in addition to a Class I Construction and Testing Permit renewal application for IW-5 through IW-9 as well as the associated monitoring wells FA-5N and FA-6N as part of the Ocean Outfall Legislation Compliance Plan, which will allow the County to expand treated effluent disposal capacity at the NDWWTP and to dispose of wastewater effluent into the Boulder Zone. The additional monitoring wells will be used to monitor groundwater quality above the injection zone.

Honorable Chairman Anthony Rodriguez
and Members, Board of County Commissioners
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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 operation 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.

A handwritten signature in black ink, reading "Roy Coley", written over a horizontal line.

Roy Coley
Chief Utilities and Regulatory Services Officer

Attachments

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 January 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: North District Wastewater Treatment Plant

Facility Address: 2575 NE 156th Street, North Miami, FL 33160-4618

Facility Contact: Ryan Alonso, Chief W&S Plant Operator

Phone Number: (305) 948-2967

Latitude/Longitude of Facility: 25° 55' 4.85" N / 80° 8' 51.26" W

DEP/EPA WACS Number: 056453

Total Current Plugging and Abandonment Cost Estimate (all wells): \$5,385,706

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

Injection Well IW-1N

DEP/EPA WACS Number: 9067

Latitude/Longitude of Injection Well: 25° 55' 14.117" N / 80° 08' 52.041" W

Current Plugging and Abandonment Cost Estimate: \$ 507,228

Injection Well IW-2N

DEP/EPA WACS Number: 9068
Latitude/Longitude of Injection Well: 25° 55' 10.311" N / 80° 08' 50.286" W
Current Plugging and Abandonment Cost Estimate: \$ 510,120

Injection Well IW-3N

DEP/EPA WACS Number: 9069
Latitude/Longitude of Injection Well: 25° 55' 06.233" N / 80° 08' 49.471" W
Current Plugging and Abandonment Cost Estimate: \$ 508,820

Injection Well IW-4N

DEP/EPA WACS Number: 9070
Latitude/Longitude of Injection Well: 25° 55' 05.423" N / 80° 08' 55.010" W
Current Plugging and Abandonment Cost Estimate: \$ 507,488

Injection Well IW-5N

DEP/EPA WACS Number: 14159
Latitude/Longitude of Injection Well: 25° 55' 2.703" N / 80° 09' 6.813" W \$
Current Plugging and Abandonment Cost Estimate: 508,755

Injection Well IW-6N

DEP/EPA WACS Number: 14160
Latitude/Longitude of Injection Well: 25° 55' 2.750" N / 80° 09' 9.959" W
Current Plugging and Abandonment Cost Estimate: \$ 509,113

Injection Well IW-7N

DEP/EPA WACS Number: 14161
Latitude/Longitude of Injection Well: 25° 55' 3.121" N / 80° 09' 12.176" W
Current Plugging and Abandonment Cost Estimate: \$ 509,438

Injection Well IW-8N

DEP/EPA WACS Number: 14162
Latitude/Longitude of Injection Well: 25° 55' 0.384" N / 80° 09' 12.073" W
Current Plugging and Abandonment Cost Estimate: \$ 510,023

Injection Well IW-9N

DEP/EPA WACS Number: 14163
Latitude/Longitude of Injection Well: 25° 55' 1.450" N / 80° 09' 8.310" W
Current Plugging and Abandonment Cost Estimate: \$ 508,885

Monitoring Well FA-1R

DEP/EPA WACS Number: 30545A
Latitude/Longitude of Injection Well: 25°55'14" N / 80°08'52" W
Current Plugging and Abandonment Cost Estimate: \$ 152,880

Monitoring Well FA-2N

DEP/EPA WACS Number: 18895A/B
Latitude/Longitude of Injection Well: 25°55'09" N/ 80°08'50" W
Current Plugging and Abandonment Cost Estimate: \$ 117,293

Monitoring Well FA-3N

DEP/EPA WACS Number: 18898A/B
Latitude/Longitude of Injection Well: 25°55'05" N/ 80°08'49" W
Current Plugging and Abandonment Cost Estimate: \$ 117,260

Monitoring Well FA-4R

DEP/EPA WACS Number: 30546A
Latitude/Longitude of Injection Well: 25°55'06" N/ 80°08'54" W
Current Plugging and Abandonment Cost Estimate: \$ 153,010

Monitoring Well FA-5N

DEP/EPA WACS Number: 30609A/B
Latitude/Longitude of Injection Well: 25° 55' 02.6" N / 80° 09' 07.8" W
Current Plugging and Abandonment Cost Estimate: \$ 132,958

Monitoring Well FA-6N

DEP/EPA WACS Number: 30610A/B
Latitude/Longitude of Injection Well: 25° 55' 01.5" N / 80° 09' 11.7" W
Current Plugging and Abandonment Cost Estimate: \$ 132,438

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

**WASD North District WWTP Injection Well System
Plugging and Abandonment Opinion of Cost
Jan-2025**

	Unit Cost	Unit	Number of Units	January 2025 Total Cost
WASD North District WWTP IW-1N				
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 2,980 feet bls to 3,300 feet bls	\$25	CF	1,006	\$25,150
5 Fill the 23.00-inch Inside Diameter (ID) steel casing to land surface with neat cement	\$25	CF	8,601	\$215,025
6 Complete below ground/add monument	\$12,500	LS	1	\$12,500
Plug and Abandonment of Injection Well Cost				\$390,175
15 Percent Contingency				\$58,526
15 Engineering Fees				\$58,526
TOTAL ESTIMATED COST PER INJECTION WELL				\$507,228

	Unit Cost	Unit	Number of Units	January 2025 Total Cost
WASD North District WWTP IW-2N				
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 2,630 feet bls to 3,300 feet bls	\$25	CF	2,105	\$52,625
5 Fill the 23.00-inch Inside Diameter (ID) steel casing to land surface with neat cement	\$25	CF	7,591	\$189,775
6 Complete below ground/add monument	\$12,500	LS	1	\$12,500
Plug and Abandonment of Injection Well Cost				\$392,400
15 Percent Contingency				\$58,860
15 Engineering Fees				\$58,860
TOTAL ESTIMATED COST PER INJECTION WELL				\$510,120

	Unit Cost	Unit	Number of Units	January 2025 Total Cost
WASD North District WWTP IW-3N				
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 2,790 feet bls to 3,300 feet bls	\$25	CF	1,603	\$40,075
5 Fill the 23.00-inch Inside Diameter (ID) steel casing to land surface with neat cement	\$25	CF	8,053	\$201,325
6 Complete below ground/add monument	\$12,500	LS	1	\$12,500
Plug and Abandonment of Injection Well Cost				\$391,400
15 Percent Contingency				\$58,710
15 Engineering Fees				\$58,710
TOTAL ESTIMATED COST PER INJECTION WELL				\$508,820

	Unit Cost	Unit	Number of Units	January 2025 Total Cost
WASD North District WWTP IW-4N				
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 2,950 feet bls to 3,300 feet bls	\$25	CF	1,100	\$27,500
5 Fill the 23.00-inch Inside Diameter (ID) steel casing to land surface with neat cement	\$25	CF	8,515	\$212,875
6 Complete below ground/add monument	\$12,500	LS	1	\$12,500
Plug and Abandonment of Injection Well Cost				\$390,375
15 Percent Contingency				\$58,556
15 Engineering Fees				\$58,556
TOTAL ESTIMATED COST PER INJECTION WELL				\$507,488

	Unit Cost	Unit	Number of Units	January 2025 Total Cost
WASD North District WWTP IW-5N				
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 2,795 feet bls to 3,300 feet bls	\$25	CF	1,587	\$39,675
5 Fill the 23.00-inch Inside Diameter (ID) steel casing to land surface with neat cement	\$25	CF	8,067	\$201,675
6 Complete below ground/add monument	\$12,500	LS	1	\$12,500
Plug and Abandonment of Injection Well Cost				\$391,350
15 Percent Contingency				\$58,703
15 Engineering Fees				\$58,703
TOTAL ESTIMATED COST PER INJECTION WELL				\$508,765

	Unit Cost	Unit	Number of Units	January 2025 Total Cost
WASD North District WWTP IW-6N				
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 2,750 feet bls to 3,300 feet bls	\$25	CF	1,728	\$43,200
5 Fill the 23.00-inch Inside Diameter (ID) steel casing to land surface with neat cement	\$25	CF	7,937	\$198,425
6 Complete below ground/add monument	\$12,500	LS	1	\$12,500
Plug and Abandonment of Injection Well Cost				\$391,625
15 Percent Contingency				\$58,744
15 Engineering Fees				\$58,744
TOTAL ESTIMATED COST PER INJECTION WELL				\$509,113

	Unit Cost	Unit	Number of Units	January 2025 Total Cost
WASD North District WWTP IW-7N				
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 2,715 feet bls to 3,300 feet bls	\$25	CF	1,838	\$45,950
5 Fill the 23.00-inch Inside Diameter (ID) steel casing to land surface with neat cement	\$25	CF	7,837	\$195,925
6 Complete below ground/add monument	\$12,500	LS	1	\$12,500
Plug and Abandonment of Injection Well Cost				\$391,875
15 Percent Contingency				\$58,781
15 Engineering Fees				\$58,781
TOTAL ESTIMATED COST PER INJECTION WELL				\$609,438

	Unit Cost	Unit	Number of Units	January 2025 Total Cost
WASD North District WWTP IW-8N				
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 2,645 feet bls to 3,300 feet bls	\$25	CF	2,058	\$51,450
5 Fill the 23.00-inch Inside Diameter (ID) steel casing to land surface with neat cement	\$25	CF	7,635	\$190,875
6 Complete below ground/add monument	\$12,500	LS	1	\$12,500
Plug and Abandonment of Injection Well Cost				\$392,325
15 Percent Contingency				\$58,849
15 Engineering Fees				\$58,849
TOTAL ESTIMATED COST PER INJECTION WELL				\$510,023

	Unit Cost	Unit	Number of Units	January 2025 Total Cost
WASD North District WWTP IW-9N				
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 bls to 3,300 feet bls	\$25	CF	1,634	\$40,850
5 Fill the 23.00-inch Inside Diameter (ID) steel casing to land surface with neat cement	\$25	CF	8,024	\$200,600
6 Complete below ground/add monument	\$12,500	LS	1	\$12,500
Plug and Abandonment of Injection Well Cost				\$391,450
15 Percent Contingency				\$58,718
15 Engineering Fees				\$58,718
TOTAL ESTIMATED COST PER INJECTION WELL				\$608,885

	Unit Cost	Unit	Number of Units	January 2025 Total Cost
WASD North District WWTP MWFA-1R				
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 Zone open hole from 1,420 feet bls to 1,510 feet bls	\$25	CF	74	\$1,850
5 Fill the 6.83-inch OD FRP tubing from				
1,420 feet bls to land surface with neat cement	\$25	CF	304	\$7,600
Upper Monitoring Zone				
1 Install gravel in the annular space between the 18-inch OD casing and 6.83-inch OD tubing from 1,170 feet bls to 1,264 feet bls	\$25	CF	125	\$3,125
2 Fill annular space between the 18-inch OD casing and 6.83-inch OD tubing from 1,170 to land surface with neat cement	\$25	CF	1,601	\$40,025
3 Complete below ground/add monument	\$10,000	LS	1	\$10,000
Plug and Abandonment of Dual Zone Monitoring Well Cost				\$117,600
15 Percent Contingency				\$17,640
15 Engineering Fees				\$17,640
TOTAL ESTIMATED COST FOR MONITORING WELL				\$152,880

	Unit Cost	Unit	Number of Units	January 2025 Total Cost
WASD North District WWTP MWFA-2N				
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 Zone open hole from 1,425 feet bls to 1,505 feet bls	\$25	CF	66	\$1,650
5 Fill the 6.625-inch OD FRP tubing from				
1,425 feet bls to land surface with neat cement	\$25	CF	253	\$6,325
Upper Monitoring Zone				
1 Install gravel in the annular space between the 12.75-inch OD casing and 6.625-inch OD tubing from 1,160 feet bls to 1,259 feet bls	\$25	CF	58	\$1,450
2 Fill annular space between the 12.75-inch OD casing and 6.625-inch OD tubing from 1,160 to land surface with neat cement	\$25	CF	632	\$15,800
3 Complete below ground/add monument	\$10,000	LS	1	\$10,000
Plug and Abandonment of Dual Zone Monitoring Well Cost				\$90,225
15 Percent Contingency				\$13,534
15 Engineering Fees				\$13,534
TOTAL ESTIMATED COST FOR MONITORING WELL				\$117,293

	Unit Cost	Unit	Number of Units	January 2025 Total Cost
WASD North District WWTP MWFA-3N				
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 Zone open hole from 1,420 feet bls to 1,510 feet bls	\$25	CF	74	\$1,850
5 Fill the 6.625-inch OD FRP tubing from 1,420 feet bls to land surface with neat cement	\$25	CF	251	\$6,275
Upper Monitoring Zone				
1 Install gravel in the annular space between the 12.75-inch OD casing and 6.625- inch OD tubing from 1,170 feet bls to 1,245 feet bls	\$25	CF	44	\$1,100
2 Fill annular space between the 12.75-inch OD casing and 6.625-inch OD tubing from 1,170 to land surface with neat cement	\$25	CF	639	\$15,975
3 Complete below ground/add monument	\$10,000	LS	1	\$10,000
Plug and Abandonment of Dual Zone Monitoring Well Cost				\$90,200
15 Percent Contingency				\$13,530
15 Engineering Fees				\$13,530
TOTAL ESTIMATED COST FOR MONITORING WELL				\$117,280

	Unit Cost	Unit	Number of Units	January 2025 Total Cost
WASD North District WWTP MWFA-4R				
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 Zone open hole from 1,420 feet bls to 1,515 feet bls	\$25	CF	78	\$1,950
5 Fill the 6.83-inch OD FRP tubing from 1,420 feet bls to land surface with neat cement	\$25	CF	304	\$7,600
Upper Monitoring Zone				
1 Install gravel in the annular space between the 18-inch OD casing and 6.83- inch OD tubing from 1,170 feet bls to 1,264 feet bls	\$25	CF	125	\$3,125
2 Fill annular space between the 18-inch OD casing and 6.83-inch OD tubing from 1,170 to land surface with neat cement	\$25	CF	1,601	\$40,025
3 Complete below ground/add monument	\$10,000	LS	1	\$10,000
Plug and Abandonment of Dual Zone Monitoring Well Cost				\$117,700
15 Percent Contingency				\$17,655
15 Engineering Fees				\$17,655
TOTAL ESTIMATED COST FOR MONITORING WELL				\$153,010

	Unit Cost	Unit	Number of Units	January 2025 Total Cost
WASD North District WWTP MWFA-5N				
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 Zone open hole from 1,460 feet bls to 1,500 feet bls	\$25	CF	41	\$1,025
5 Fill the 6.625-inch OD FRP tubing from 1,460 feet bls to land surface with neat cement	\$25	CF	239	\$5,975
Upper Monitoring Zone				
1 Install gravel in the annular space between the 16-inch OD casing and 6.625- inch OD tubing from 1,145 feet bls to 1,203 feet bls	\$25	CF	43	\$1,075
2 Fill annular space between the 16-inch OD casing and 6.625-inch OD tubing from 1,145 to land surface with neat cement	\$25	CF	1,168	\$29,200
3 Complete below ground/add monument	\$10,000	LS	1	\$10,000
Plug and Abandonment of Dual Zone Monitoring Well Cost				\$102,275
15 Percent Contingency				\$15,341
15 Engineering Fees				\$15,341
TOTAL ESTIMATED COST FOR MONITORING WELL				\$132,958

	Unit Cost	Unit	Number of Units	January 2025 Total Cost
WASD North District WWTP MWFA-6N				
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 Zone open hole from 1,460 feet bls to 1,500 feet bls	\$25	CF	41	\$1,025
5 Fill the 6.625-inch OD FRP tubing from 1,460 feet bls to land surface with neat cement	\$25	CF	239	\$5,975
Upper Monitoring Zone				
1 Install gravel in the annular space between the 16-inch OD casing and 6.625- inch OD tubing from 1,140 feet bls to 1,180 feet bls	\$25	CF	32	\$800
2 Fill annular space between the 16-inch OD casing and 6.625-inch OD tubing from 1,140 to land surface with neat cement	\$25	CF	1,163	\$29,075
3 Complete below ground/add monument	\$10,000	LS	1	\$10,000
Plug and Abandonment of Dual Zone Monitoring Well Cost				\$101,875
15 Percent Contingency				\$15,281
15 Engineering Fees				\$15,281
TOTAL ESTIMATED COST FOR MONITORING WELL				\$132,438

TOTAL ESTIMATED COSTS FOR 9 INJECTION WELLS AND 6 MONITORING WELLS			\$5,385,706
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: July 1, 2025

FROM: 
Glen Bonzon-Keenan
County Attorney

SUBJECT: Agenda Item No. 8(O)(1)

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)(1)
7-1-25

RESOLUTION NO. R-670-25

RESOLUTION APPROVING THE CERTIFICATION OF FINANCIAL RESPONSIBILITY PURSUANT TO RULE 62-528.435(9) OF THE FLORIDA ADMINISTRATIVE CODE FOR THE OPERATION OF NINE CLASS I UNDERGROUND INJECTION WELLS AND SIX RELATED MONITORING WELLS AT MIAMI-DADE COUNTY'S NORTH DISTRICT WASTEWATER 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 County Mayor's 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 nine Class I underground injection wells and six related monitoring wells at Miami-Dade County's North District Wastewater Treatment Plant, in substantially the form attached to the accompanying County Mayor's 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 **Oliver G. Gilbert, III**, who moved its adoption. The motion was seconded by Commissioner **Micky Steinberg** 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	aye
Danielle Cohen Higgins	aye	Eileen Higgins	aye
Natalie Milian Orbis	aye	Raquel A. Regalado	aye
Micky Steinberg	aye		

The Chairperson thereupon declared this resolution duly passed and adopted this 1st day of July, 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