

State of Florida  
Department of Environmental Protection

**Notice of Draft Permit**

The Department of Environmental Protection hereby provides notice that it has prepared a draft permit for the proposed project as detailed in the application, subject to the conditions specified in the draft permit and summarized below. The applicant, St. Lucie West Services District, Joshua C. Miller, Utilities Director, 450 Southwest Utility Drive, Port St. Lucie, Florida 34986 applied on January 10, 2024, for a Class I injection well construct and operationally test permit. The project is located at St. Lucie West Services District Water Treatment Plant, 450 Southwest Utility Drive, Port St. Lucie, Florida 34986, in St. Lucie County (File 0206302-006-UC/1X, WACS ID 94184).

The permittee will drill, construct, and operationally test one, non-hazardous Class I injection well (IW-2) to supplement the disposal of demineralized water concentrate, generated by the St. Lucie West Services District Water Treatment Plant (WTP) reverse osmosis treatment process, that is currently injected into injection well IW-1. The source water for the WTP reverse osmosis operation is obtained from the Floridan aquifer. The concentrate waste stream has a total dissolved solids concentration of approximately 18,000 milligrams per liter.

IW-2 is proposed to be constructed with a 14-inch outside diameter injection casing set to approximately 2,700 feet below land surface (bls), a 9<sup>5</sup>/<sub>8</sub>-inch nominal size tubing set to approximately 2,690 feet bls with a fluid-filled annulus (tubing and packer design), and total drilled depth of approximately 3,300 feet bls.

IW-2 is designed for a maximum injection rate of 1,504 gallons per minute and a maximum injection volume of 2.17 million gallons per day at an injection velocity of 10 feet per second in the proposed injection tubing of the well. The permitted injection rate and volume will be established after testing of the well is complete.

The dual-zone monitor well (DZMW-1) that is currently used for monitoring IW-1 will also be used to monitor IW-2. DZMW-1 is completed in the Floridan aquifer with an upper monitor zone at 1,614 to 1,664 feet bls and a lower monitor zone in the at 1,900 to 1,950 feet bls.

The Department has permitting jurisdiction under Chapter 403 of the Florida Statutes and the rules adopted thereunder. The project is not exempt from permitting procedures. The Department has determined that an Underground Injection Control permit is required for the proposed work.

Any interested person may submit written comments on the draft permit and may request a public meeting within 30 days after publication of this public notice. A request for a public meeting shall be submitted in writing and shall state the nature of the issues proposed to be raised in the meeting. If a public meeting is later scheduled, there will be another 30-day notice period for that meeting. Written comments or a public meeting request shall be submitted to the Department of Environmental Protection, Aquifer Protection Program, 2600 Blair Stone Road, MS 3530, Tallahassee, Florida 32399-2400, which is the office processing this permit application. All comments received within the 30-day period will be considered in formulation of the Department's final decision regarding permit issuance.

The files associated with this order are available for public inspection during normal business hours, 8 a.m. to 5 p.m., Monday through Friday, except state holidays, at the Department of Environmental Protection, Southeast District, and at the Department of Environmental Protection, Aquifer Protection Program office in Tallahassee. Any additional information concerning this project may be obtained by contacting Rufus Dickey, Professional Geologist III, at 850-245-7580.