

EXHIBIT B



FLORIDA DEPARTMENT OF Environmental Protection

Ron DeSantis
Governor

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Lt. Governor

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Central District Office
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STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

PERMITTEE:
Brevard County Utility Services Department

RESPONSIBLE OFFICIAL:
Edward Fontanin
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BLDG. A-213
Melbourne, Florida 32940-6605
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PERMIT NUMBER: FL0102679 MI
FILE NUMBER: FL0102679-018-DW1P
ISSUANCE DATE: July 12, 2021
EFFECTIVE DATE: July 12, 2021
EXPIRATION DATE: July 11, 2026

FACILITY:
BCUD/South Central Regional
10001 N Wickham Rd
Melbourne, FL 32940-6604
Brevard County
Latitude: 28°13' 44.98" N Longitude: 80°45' 26.37" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.) and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above-named permittee is hereby authorized to operate the facilities in accordance with the documents attached hereto and specifically described as follows:

WASTEWATER TREATMENT:

An existing 12.0 million gallon per day (MGD) annual average daily flow (AADF) permitted capacity activated sludge advanced wastewater treatment (AWT) plant utilizing the IFAS BNR and Carrousel BNR Treatment Process. The plant consists of a mechanical bar screen and de-gritter assembly, 5-stage IFAS BNR and 4-stage Carrousel BNR Process (anaerobic tanks, first anoxic tanks, extended oxidation ditches, second anoxic tanks, re-aeration tanks), clarifiers, chemical feed facilities, filters and chlorination, with aerobic digestion and belt-thickening of biosolids. The facility utilizes electronic sensors and automatic diversion valves, two (2) 1.0 million gallon on-site reclaimed water covered ground storage tanks and associated high service pump stations, and a standby power generator.

The facility includes a Septage and Grease receiving station with flow metering, mechanical screening, and a holding tank with a submersible mixer.

The facility may supplement the reclaimed water production with storm water introduced into the collection system of the facility.

REUSE OR DISPOSAL:

Surface Water Discharge D-001: An existing 0.990 MGD annual average daily flow discharge to 4-Mile Canal, Class III Fresh Waters, (WBID# 2893N) which is approximately 128 feet in length and discharges at a depth of approximately 0 feet. The outfall pipe is a 60" diameter concrete culvert that discharges to the 4-Mile Canal. The point of discharge is located approximately at latitude 28°13' 48" N, longitude 80°46' 14" W.

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Land Application R-001: An existing 8.2 MGD annual average daily flow permitted capacity slow-rate public access system. R-001 is a reuse system which consists of on-site irrigation at the plant, and within the approved Reuse Service Area, as shown on the attached map, and identified in Section IV of this permit

Reclaimed water is discharged into stormwater storage lake system(s) D-002 located at the Indian River Colony Club Golf Course. The reclaimed water is stored in an existing stormwater retention pond with a storage capacity of 4.5 million gallons, which has an intermittent discharge to adjacent drainage features (6-Mile Canal), which ultimately discharges to the St. Johns River. Discharge of reclaimed water to this stormwater retention pond shall be in accordance with Condition I.B. 12 of this permit.

Stormwater from the following sources may be introduced into the sanitary sewerage system to augment the supply of reclaimed water: The facility may introduce storm water from a retention pond into the collection system at the wet well of Lift Station W-09 (Silver Pines Subdivision).

Land Application R-002: An existing 2.5 MGD annual average daily flow permitted capacity slow-rate restricted public access system. R-002 is a reuse system which consists of **Created Wetlands** with 200± acres (163± total wetted acres) comprising four (4) cells and an interior lake. The detention time through this created wetland system is approximately 53 days, and is located approximately at latitude 28°13' 47" N, longitude 80°46' 18" W.

IN ACCORDANCE WITH: The limitations, monitoring requirements, and other conditions set forth in this cover sheet and Part I through Part IX on pages 1 through 29 of this permit.