



TOWN OF HIGHLAND BEACH AGENDA MEMORANDUM

MEETING TYPE: Town Commission Meeting

MEETING DATE: May 21, 2024

SUBMITTED BY: Pat Roman, Public Works Director

SUBJECT: Approve Injection Well System Permit Renewal Cost

SUMMARY:

We are seeking approval for the renewal of our permit Class V Injection Well System. Our permit (FDEP UIC Permit No. 0183706-007-008-UO/50) is set to expire on 9/12/2024. The permit renewal process happens every five years. Hazen and Sawyer will be the engineers managing the permit renewal process.

An injection well is used for the disposal of the brine or concentrate that is a byproduct of the RO process. Reverse Osmosis is a water purification process that uses a partially permeable membrane to remove ions, unwanted molecules, and larger particles from drinking water. However, this process produces concentrated brine waste, which needs to be disposed of properly. This is often done through injection wells, where the brine is injected deep into the ground, typically into a saline aquifer, to prevent contamination of fresh water sources.

If you have any questions on the Injection Well Permit or process, please feel free to call me.

FISCAL IMPACT:

\$57,300; Professional Fees 401-533.000-531.000

ATTACHMENTS:

P.O. No. 24-0924

RECOMMENDATION:

Commission approval.