

# Concentrate Management Process to Recover Minerals from Brackish Water Earth Water Minerals.

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- Partnership between EPWU and EWM
- Construction of a new plant adjacent to existing desalination plant.
- EWM uses EPWU concentrate to recover minerals.
- EPWU receives an additional 1 million gallons of potable water from EWM.



- The company will add 10 new jobs with average salaries of 50K per year in return the City will rebate about 2 million dollars in taxable property.
- EWM project will allow EPWU the opportunity to produce more concentrate allowing for expansion of the KBH desalination plant, without having to drill more injection wells.



#### Concentrate from Kay Bailey Hutchison Desalination Plant

- EPWU uses deep well injection to dispose of the concentrate that is generated at KBH plant.
   EPWU's permit allows up to 3 MGD of concentrate to be injected in three wells.
- EWM will use 1.25 MGD of KBH concentrate.
- EWM provides an additional injection well of injection capacity for the KBH plant.







## Concentrate from Kay Bailey Hutchison Desalination Plant Water Quality

Arsenic- 39.8 mg/l TDS-11,000 mg/l Calcium-742 mg/l Flouride-2.58 mg/l Sulfate-1290 mg/l Chloride-5260 mg/l Magnesium-181 mg/l



Enviro Water **Minerals** Company is using cutting edge technology to recover minerals from waste brine from desalination plants.





### Enviro Water Minerals Company (EWM)

All contaminants are extracted from the concentrate stream, leaving only permeate and thereby alleviating the desalination plant's concentrate discharge and its associate environmental hazards.





> EWM uses proven commercially available technologies to chemically separate minerals from concentrate.



