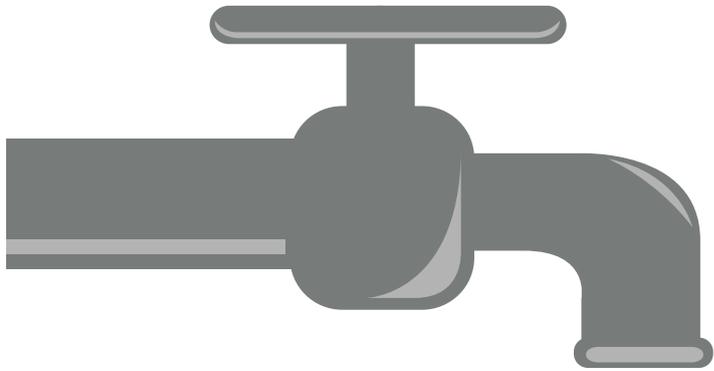




# Water Management at Ranger mine



## Classes of water based on quality

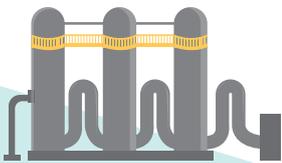


### 1. PROCESS WATER

Any water that has come into contact with uranium production



Process water is stored  
in Pit 3 and the tailings dam



The Brine Concentrator was  
commissioned in September 2013  
to treat process water



1.8 Billion Litres

The Brine Concentrator has the  
capacity to treat 1.8 billion litres  
of process water per year



### 2. POND WATER

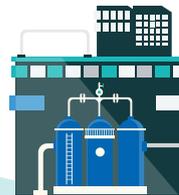
Water that runs off Ranger mine's ore stockpiles



Stored in retention ponds



Used for dust suppression



Used in the processing plant



Released into the surrounding environment  
after water treatment

Managing water safely and effectively is one of ERA's most significant environmental and operational activities.

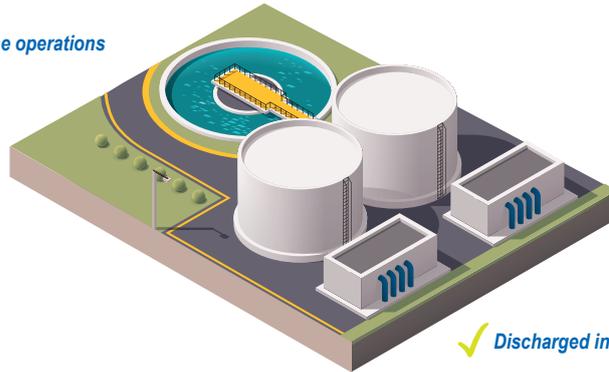


# Water Management at Ranger mine

## 3. TREATED POND AND PROCESS WATER

High quality water is produced in the Brine Concentrator and Water Treatment Plants

✓ Recycled in Ranger mine operations



✓ Discharged into Release Water catchments

## 4. RELEASE WATER

Rain that falls on catchments within the operational mine footprint



✓ Good quality water released without treatment

✓ Specific streams are routed through passive treatment systems or staging points for management and release

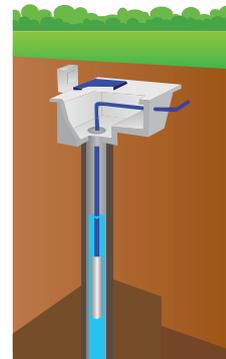
## 5. POTABLE WATER

Water used for drinking, washing and washroom facilities

Drinking water



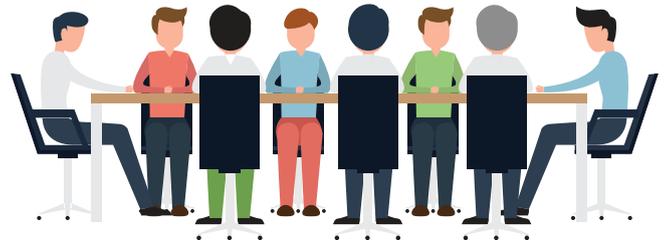
Comes from Brockman and Magela bore fields



## Extensive monitoring of surface water, ground water and waterways



Over 200 ground water monitoring bores and over 20 continuous real-time monitoring stations, located upstream and downstream of the Ranger mine, within the Magela Creek and Gulungul Creek catchments.



ERA keeps stakeholders and regulators informed through committees, consultative forums, open days and regular reporting.