

GOLDEN STAR

A Precautionary Approach

As signatories to the United Nations Global Compact, we support a precautionary approach to environmental challenges.



Precautionary approach to the environmental challenge of process water inventory

A highly conservative approach to water led to GSBPL accruing an inventory of process water. Whilst most of this water was rainfall, for some years it resulted in sub-optimal consolidation of tailings and less space for tailings.

GSBPL has successfully managed this water and achieved a major reduction in inventory by:

- Reducing clean water flows into the plant.
- Reusing more water in our processing.
- Reducing plant spillage to improve water quality.
- Construction and operation of a mixing reactor for water discharge.
- Establishing engineered, wetland treatment marshes.
- Evaporation enhancement systems.
- Use of inactive pits for seasonal attenuation and amelioration.
- Water balance modeling for strategic planning.
 - Construction and operation of a 11 ML/day water treatment plant. Over 11Mm³ of water has been treated for release to date!