

Global Water Challenge Questions & Answers

N°	Question	Answer
1.	<p>Legacy Asset Challenge – acidic pit lake waters.</p> <ul style="list-style-type: none"> a) What is your desired flow rate in gallons per minute? b) Do you have a target goal for TDS? c) Are the effluent numbers goals or requirements? d) Can you send us 20-50 gallons of sample water to test using our solution? e) Do we need to include sludge management in our solution? 	<ul style="list-style-type: none"> a) 1000 gpm. b) None in specific, besides US regulations (example: secondary drinking water criteria for TDS limit is 500 mg/L). c) These are requirements. d) it could be possible inside the Global Water Challenge framework if you move forward in the process. e) Yes, that is a desired outcome.
2.	Treatment of hypersaline groundwater – Nickel West. What parameters do you need the resulting treated water to meet?	Specific parameters are not currently defined. Broadly speaking, two types of process water qualities are acceptable < 6% TDS for raw water; and < 0.4% TDS for wash water.
3.	Treatment of hypersaline groundwater – Nickel West. What percentage of the time does the water have low TDS? What percentage is it high TDS?	Given groundwater setting and mine planning variables, the proportion of quality types is unable to be provided. For this solution to be applied to mine dewatering, it will need to be able to accommodate significant salinity variability over time
4.	If BHP is to be a recognized leader in Water Stewardship, this should include providing all groundwater data from operations in a transparent and consistent format across the Fe industry, such that appropriate management actions could be devised across tenure boundaries to protect threatened GDEs.	<p>BHP recognizes that the collection and meaningful reporting of water use and performance data by all users is fundamental to effective governance of water resources. We endeavor to improve transparency of our own operations. Our WAIO iron ore operations in the Pilbara region provide groundwater information in regular groundwater management reports and to support environmental approval submissions.</p> <p>We also recognize that the sharing of water data in the Pilbara (and many other areas) needs to be better. This was one of the key challenges raised by stakeholders in the Pilbara Water Resources Situational Analysis (available on our website). We are looking at ways to share our data better and help others to share theirs, in a consistent format.</p>