

# Assessment Checklist

*MS – ETS1-4. Develop a model to generate data for iterative testing and modification of a proposed object, tool, or process such that an optimal design can be achieved.*

*MS – ESS3. Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.*

<b>Criteria</b>	<b>YES</b>	<b>NO</b>
Students design and adjust prototypes according to data from multiple sources		
Students use real-world tests to identify strengths and weaknesses of prototypes		
Students are able to explain design decisions and changes		
Data are recorded in an organized manner		
Data are easy to understand		
Data are used to inform decision making		
Final technical drawing indicates improvement to prototype		
Technical drawing includes detailed labels and scale		
Technical drawing includes enough views to show all components of final design		
Final prototype and/or technical drawing show an optimal design that cleans water to determined standards.		