

The Department of Energy is committed to the safe and efficient operation of the Waste Treatment Plant (WTP). The current design of the WTP requires all waste be processed through the Pretreatment Facility. Based on extensive analysis, it has become clear that previously known technical issues could prevent the Pretreatment Facility from operating safely as currently designed. The [pulse jet mixed vessel test plan](#) is a comprehensive approach to resolving certain major technical issues associated with this facility. The Department is evaluating a design solution that is expected to decrease the testing time needed to resolve concerns with high solids waste in pulse jet mixed vessels. The test plan will evaluate the use of smaller, standardized vessels that are expected to improve operability while maintaining the same level of waste output. In addition, the solution being evaluated could have the added benefit of allowing more vessels to be placed in the same amount of space and provide increased confidence the WTP can operate safely throughout its 40-year life.