

Boeing does not currently have any way to decide when to optimally dispose their chemical tanks. Improper tank disposal is detrimental towards their whole etching process.

An unplanned tank disposal can lead to:

• A waste of etch chemicals which are not only costly to obtain but also costly to dispose and harmful to the environment.



• A disturbance to Boeing's processing schedule which operators.

utilizing data analysis to allow for two weeks advance notice.



Database Description:

- Two historical data from etch tank R8, about 40,000 items



Process Flow Map:

Boeing: Chemical Bath Life Forecast Aaron Bitz-Richards | Caleb Peek | Fan Xu | Margerie Celestra | Martin Affandy | Yoel Tekle

Current Conditions	The most recent concentration of dissolv date it was measured at.
Maximum Ti concentration, oz/gal	The maximum allowable concentration of it gets disposed that the users can set ac oz/gal) and is currently defaulted at 3.5 o
Etch Factor	The default etch factor is set to 0.000000 historical data. Users can change the nur
Time Factor	The time factor is the change in dissolved processing. This factor is defaulted 0, as dissolved titanium concentration. It could user.
Maximum Order Count	This number represents the maximum or large order number which might cause the
Preferred Disposal Date	The date input here allows the user to se concentration on this date.

respective surface area information:



IND E 495 Instructor: Patty Buchanan

