

TECHNICAL ANALYSIS

You will want to make sure of a “good technical fit” before you make a decision on which P2 option to implement. These questions and concerns, among others, must be addressed BEFORE you decide to initiate a Pollution Prevention project.

Will implementation of the P2 option...	Concerns
Reduce the target waste?	By how much? What do you gain?
Be compatible with current operating procedures, work flow, production rates, operator and maintenance skills, etc?	Will the proposed change be too much of an upset to the operational balance in the plant?
Maintain product quality?	What will a quality drop-off cost? What are the financial gains from increased quality?
Create other environmental problems?	Will decreasing waste volume increase its toxicity? What are the tradeoffs?
Increase regulatory burden?	You'll want to ensure the P2 option doesn't cause you to be regulated under a different regulation.
Create a space availability problem?	Will you have to expand the facility?
Create a utility logistics problem ? (e.g., uses a lot of electricity; wastewater is lower toxicity but higher volume, etc.)	These are hidden costs that need to be accounted for in the economic analysis.