



Cost Analysis in determining the unnecessary management of segregation in stockpiles.

1. What was the cost of your loader?
2. How many gallons of fuel are used per week?
3. What is your labor rate per hour to operate the loader?
4. What is your cost of maintaining your dozer annually?
5. What tonnage of material is being refused in a calendar year?
6. What is your estimated annual cost of re-crushing material as a result of compaction?
7. What is your annual cost of contaminated material?

Expenditures (\$US)			
1. Equipment (Loader)	Purchase Price depreciated @ 20%/year		
2. Maintenance/Repair			
3. Fuel (Gallons/week)	Fuel x \$(price of a gallon) x 52 weeks		
4. Labor (per hour)	Labor x \$(hourly rate) x 52 weeks		
5. Total Loader Expenditure			
6. Total cost of remixing stockpile	Percentage of time used for remixing to proper specs.		
7. Segregation Refusal per year	\$(penalty per ton) x quantity refused		
8. Compaction Cost (re-crushing process)	Cost of re-crushing due to compaction		
9. Contamination Cost per year	Cost of unusable material due to contamination		
Total cost for non-segregated stockpile			

These 4 amounts need to be added together and then multiplied by the % of time that is used for re-mixing the stockpile product. Enter this number in box 6.

This cost divided into the cost of ThorStack will give you the total amount of years for Payback