Find Hidden Profits from Your Existing Plant & Equipment

You have no doubt heard of a South African farmer who went looking for diamonds all over the world because he was convinced that all of the diamonds had already been mined in his own country. He never did find any diamonds and died a poor man. Legend has it that a few years later, world's biggest diamond mine was discovered in this farmer's field and it still exists as Premier Diamond Mine.

Let us not make the same mistake. You have hidden profits waiting to be discovered from your own existing plant and equipment. No, we are not talking about spending millions or even thousands of dollars in upgrades to get these hidden profits. Instead we are talking about finding ways to *expand* the capabilities of your existing equipment and plant to increase the tonnages of the salable products.

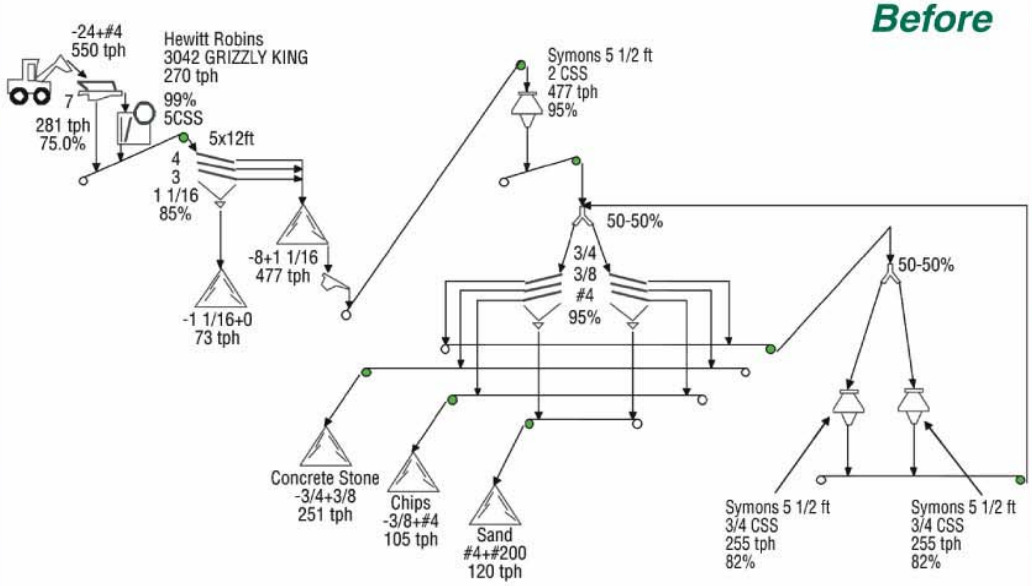
How do we begin? Well, with our experience in working with variety of customers, we have developed a powerful process that has proven very effective in locating these hidden profits. The payback period with this process is generally less than 30 days. Here are the detail steps.

1. Establish clear goals and objectives about the product(s) requirements
2. Draw the plant flow diagram(Aggflow)
3. Identify the flow constraints(bottlenecks)
4. Prioritize the bottlenecks you want to eliminate
5. Study and analyze the #1 bottleneck
6. Take the necessary steps to eliminate the #1 bottleneck
7. Check and review the plant flow and see if the incease in the output is enough. If not,
8. Continue to eliminate the rest of the bottlenecks

This whole process can be a continuous effort to get more and more output from the plant through periodic review and elimination of the bottlenecks.

Here is a good example of the success with the use of the above process.

Before

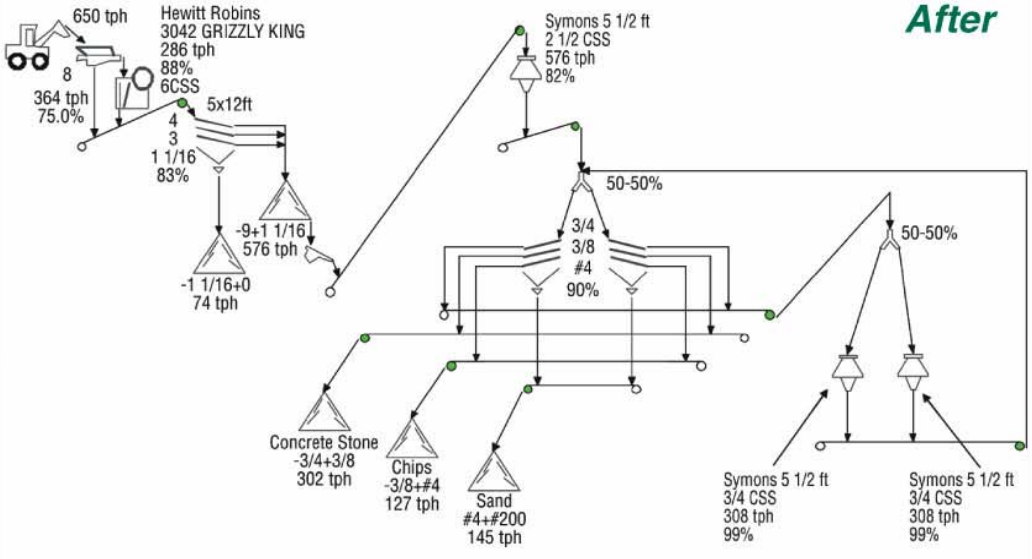


Typical Aggregate Plant Circuit

1. Gross tonnage increase/hr.....100
2. Net salable product tonnage increase/hr....75
3. Assume gross profit/ton.....$2
4. Gross profit increase/hr.....$150
5. Operating hours/year.....2000
6. Gross profit increase/year.....$300,000
7. Est. cost of investment (High).....$25,000
8. Net profit ***increase***/year.....$275,000

Eliminate "bottlenecks" in your plant & equipment to find hidden profits

After



Typical Aggregate Plant Circuit – Modified
Increased Grizzly spacing to 8 ins., jaw setting to 6 ins. and secondary crusher setting to 2 1/2 ins.