

Reclamation Project Worksheet

Date: _____

Customer Information

Foundry Name: _____

Foundry Contact: _____ Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Country: _____

Phone: _____ Email: _____

Website: _____

Project Objective

Foundry Information

Type of Metal Cast: ☐ Iron, Gray ☐ Iron, Malleable ☐ Iron, Ductile ☐ Steel
☐ Brass, Bronze ☐ Aluminum ☐ Bronze ☐ Other _____

Sand Data – Green Sand to Green Sand

Mold Line – Amount of New Sand Added

Sand Type: ☐ Silica (Quartz) ☐ Olivine ☐ Ceramic Media ☐ Other _____

Weight of Sand (Tons/Yr) _____ Cost of Sand (including Freight) USD/Ton _____

Core Rooms – Amount of New Sand

Sand Type: ☐ Silica (Quartz) ☐ Olivine ☐ Ceramic Media ☐ Other _____

Weight of Sand (Tons/Yr) _____ Cost of Sand (including Freight) USD/Ton _____

Green Sand Additives – Total Amount Purchased

What % of total additives is bentonite? _____ Total weight of all additives (Tons/Yr) _____

Total Cost of all additives (including Freight) USD/Ton _____

Disposal Costs – How Much Do You Pay to Dispose of Green Sand?

Weight of Disposal Sand (Tons/Yr) _____ Cost of Disposal Sand (including Freight) USD/Ton _____

% Through Put Yield (expected)

**Results may vary depending on foundry processes

50%—90% _____

Reclamation Project Worksheet

% Active Clay in Return Sand (MB Clay) (expected)

% Reclaimable

3%—12% _____

Yearly Production Days: _____

Planned Reclamation Hours Per Day: ☐ 8 ☐ 16 ☐ 24

Green Sand to Core Sand

Do you need a green sand to core sand solution? ☐ Check this box.

To recommend the best fit for your operation, we'll need to learn more—let's start the conversation.

Email us at sales@simpsongroup.com.

Sand Data – Chemical to Chemical

Amount of New Sand Purchased

Sand Type: ☐ Silica (Quartz) ☐ Olivine ☐ Ceramic Media ☐ Other _____

Weight of Sand (Tons/Yr) _____ Cost of Sand (including Freight) USD/Ton _____

% Through Put Yield (expected)

**Results may vary depending on foundry processes

50%—90% _____

Binding/Resin Agent

Type: ☐ Phenolic Urethane No Bake ☐ Furan No Bake ☐ Urethane No Bake/Polyol ☐ Ester Cured Phenolic/Alphaset

Disposal Costs – How Much Do You Pay to Dispose of Chemical Sand

Disposal or beneficial reuse before processing.

Weight of Disposal Sand

Weight of Disposal Sand (Tons/Yr) _____ Cost of Disposal Sand (including Freight) USD/Ton _____

☐ None ☐ Mechanical ☐ Thermal

How Do You Plan to Use Reclaimed Sand?

*Identify TOTAL tones of sand to be used for each area

Sand Type	Weight	Expected % Reclaimed Sand
Facing Sand Only	Tons/Yr _____	% _____
Backing Sand Only	Tons/Yr _____	% _____
Core	Tons/Yr _____	% _____
Entire Mold (Both Facing & Backing Sand)	Tons/Yr _____	% _____
	Total Sand Used _____	Total Reclaim Opportunity _____

*Total Sand Used must be equal to amount of New Sand Purchased from step 1

*Total Reclaim Opportunity cannot be greater than total purchased times Yield %

Yearly Production Days: _____

Planned Reclamation Hours Per Day: ☐ 8 ☐ 16 ☐ 24

RETURN TO: SIMPSON

2135 City Gate Lane Suite 500, Naperville, IL 60563

Or email: sales@simpsongroup.com
or your local representative