Hopper Evaluation Form

Company: ___________________________ Date: ________________________
Contact Name: ______________________ Title: _________________________
Address: __________________________
City: ______________________ State: __________ Zip: __________ Country: __________
Telephone: __________ FAX: __________ E-mail: __________

Section I

Bulk Material

Material: __________________________
Particle size(s): ______________________ Percent of sizes (if applicable): __________
Moisture content: % to %
Operating Temperature: °C or °F
Material Characteristics: □ sharp, □ angular, □ hard, □ soft, □ cohesive, □ free-flowing
Weight: lb./ft.³ or kg/cm³

Hopper System Operation

Discharge rate: tons/hour Storage capacity of bin: tons
Annual throughput: tons/year
Frequency of complete discharge: (x times per day, month or year – please specify)
Charging method: (belt conveyor, railcar, truck, ship unloader, etc.)
Is the bin center loaded? □ Yes □ No

Description and Location of the Hopper

Structural material (steel, concrete, wood, etc.): ______________________ ______________________ Located: □ Indoor □ Outdoor

This bin is: □ existing or □ planned for construction
Present wall material or liner (be specific):
Thickness of wall material or liner:
Original thickness:
Identify existing flow problems (Circle all that apply):

Describe the problem in detail and describe what temporary actions are necessary to deal with the problem. (Use a separate sheet of paper if necessary)

Which problem do you have? ☐ Sticking ☐ Arching ☐ Ratholing ☐ Other

The problem occurs in the: ☐ Transition Area, ☐ Outlet area or in the ☐ Valley Angle

Problem Occurrence (Check all that apply):

The problem occurs in: ☐ Summer ☐ Fall ☐ Winter ☐ Spring

Frequency: ☐ Daily ☐ Weekly ☐ Monthly ☐ Continually

Flow Pattern (Check One)

The hopper was designed for: ☐ mass; ☐ funnel or ☐ expanded Flow

The actual flow pattern is: ☐ mass flow / ☐ funnel flow

Section II

Can the hopper be detached and shipped to our facility to be lined? ☐ Yes ☐ No

Currently what is the largest accessible opening into the hopper?

Can a larger opening be made if necessary, if so how large? ☐ Yes ☐ No How large:

Please check the method(s) that you wish to be quoted:

☐ Drop-in liner only

☐ Installation at Quadrant EPP

☐ Turnkey site installation

Are there any interior obstructions that need to be address? ☐ Yes ☐ No

Drop-in liners will be built to the dimensions supplied to us. Please confirm all dimensions are accurate.

THIS FORM MUST BE ACCOMPANIED WITH A BLUEPRINT OR SKETCH SHOWING ALL DETAILS.

Please FAX or email to your local branch: sales@redwoodplastics.com

Southern BC:
FAX: 604 607 6010

Northern BC & Yukon:
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Alberta & Northern Canada:
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