



September 29, 2017

Project # C-1434

Change Order # 1

Larry Tantalo
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Project proposal: C-1434 (Rev 7)

Customer Reference # n/a

Current Contract value: \$ 5,601,300.00

Item Number	Description of change	Cost for Changes
1	Upgrade first effect evaporator Split A/B/C heating surface in a single vessel This option increases the active surface area by 7,500 ft ² , of which the surface can alternate between the A/B/C sections allowing (1) section to be wash during operation at any given time. While the other (2) section are capable of meeting the full evaporation load needed for the system. This option will prevent excessive fouling of the heating surfaces which would limit the capacity of the system, as a result of rapid fouling. Each section will have independent piping and pumps (3 total pumps)	\$ 489,200.00
	Total change to PO value:	(Increase) \$ 489,200.00

This change order must be formally approved before RDG can proceed with the changes as described above.

Adjust PO Value with this change order = \$ 6,090,500.00

Approved By: _____ Date: _____

In addition, to the signature above the customer's PO must be revised to reflect the new project cost.

Feel free to contact me with any questions.

Phillip Kraft
Sales Engineer
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Design Changes

The impacts of this new information lead Rosenblad to propose a change to the design of the first effect or the evaporator. The new design would add to the surface area of the effect and to split the first effect into three compartments that can be backwashed independently. The three compartments would operate with one on backwash while the other two would split the evaporative load. This will allow continued operation with less downtime for pressure washing the system.

Budget Impacts

The budget impacts will be as follows:

	<i>Prior to Change</i>	<i>After Change</i>
Budget Line Item – Evaporator	6,415,500	6,415,500
Base Rosenblad Contract as of Revision 2	5,601,300	5,601,300
Proposed Design Change		489,000
Total Rosenblad Contract as of Revision 3	5,601,300	6,090,300
Allowance for other equipment associated with co-products	400,000	400,000
Design Change Allowance Remaining	684,200	159,200

The budget item for the Evaporator has always been portrayed as a part of the Co-Products business investment. This is the reason for breaking down the budget in this manner.

The impact of this design change is to reduce the allowance for evaporator system changes from \$684,200 to \$159,200. With this change behind us, it is believed that the remaining allowance will be sufficient.