

McCLELLAND LABS 1998

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**McCLELLAND LABORATORIES, INC.**1016 Greg Street, Sparks, Nevada 89431 (702) 356-1300  
FAX (702) 356-8917

February 19, 1998

Mr. Kurt Allen  
**Hecla Mining Co. - Rosebud Mine**  
P.O. Box 2610  
Winnemucca, NV 89445

Dear Kurt:

Following are tabulated results from bulk density determinations conducted on five rock samples you submitted. Bulk density determinations were made using the standard volume displacement method with a weight differential check, on oven dried, coated pieces of rock. Results from the bulk density determinations are provided in Table 1.

**Table 1. - Bulk Density Test Results, Rosebud Samples**

Sample Number	Moisture, Wt. Pct.	Specific Gravity	Bulk Density	
			lb/ft <sup>3</sup>	ft <sup>3</sup> /ton
RSBD 46	6.0	2.25	140.4	14.2
RSBD 47	3.4	2.46	153.5	13.0
RSBD 48	4.5	2.45	152.9	13.1
RSBD 49	4.6	2.37	147.9	13.5
RSBD 50	3.7	2.37	147.9	13.5
Average	4.4	2.38	148.5	13.5

Enclosed also is our invoice (MLI Job No. 2504/4437) for the work.

Thank you for allowing us another opportunity to serve you on the Rosebud Project.

Sincerely,

Jack S. McPartland  
Metallurgist/V.P. Operations

JSM:cd  
Enclosure





# McCLELLAND LABORATORIES, INC.

1016 Greg Street, Sparks, Nevada 89431 (702) 356-1300  
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Invoice To: Mr. Kurt Allen  
Company Name: Hecla Mining Co. - Rosebud Mine  
Address P.O. Box 2610  
Winnemucca, Nevada 89445

Invoice No. 2504 / 4437  
Invoice Date: 02/09/98  
Lab Order No. 2504  
Client P.O. No. Rosebud

TERMS: Due Upon Receipt

Item Number	Description	Charges (U.S. Dollars)
1.	<b>Bulk Density Determinations</b> - 5 additional rock samples @ \$35.00	\$ 175.00
2.	<b>Reporting</b> (cover letter with tabulated data)	\$ n/c
<i>For Services Rendered January, 1998.</i>		
<i>PAID</i> <i>86-5030 477</i>		
Total Amount Due This Invoice		\$ 175.00
Amounts Previously Invoiced		\$ 1,625.00
Less Payments/Deposits Applied		\$ 1,625.00
Balance Due		\$ 175.00

All services are subject to the terms and conditions as specified in the MLI Laboratory Order

WHITE - ORIGINAL • YELLOW - DUPLICATE • GREEN - JOB FILE • BLUE - CORRESPONDENCE • WHITE - ACCOUNTING