400

xxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

February 2, 1955

Mrs. Myrtle Purdy, Certifying Officer
DMEA Field Team, Region I, NW District
1201 North Division Street
Spokane 2, Washington

Re: Docket No. DMEA-2292
American Alloy Metals, Inc.
Contract No. Idm-E247

Dear Mrs. Purdy:

Attached is Check No. A 8114 received from Minerals Engineering Co. dated January 27, 1955, in the amount of $4,128.10 which is the final payment in accordance with an agreement between DMEA and that company. This check should be credited to the account of the above-captioned contract.

Also attached is a copy of a letter received from Minerals Engineering Co.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I
Northwest District

Attachments as indicated

cc: DMEA w/ encl.

Received attachments _____
date

Myrtle Purdy

Please detach this stub before depositing This check is in full settlement of items listed below No. A 8114

MINERALS ENGINEERING CO., Grand Junction, Colo.

Description	Date	Invoice No.	Amount	Discount	Net Amount
2011	4,128.10	January 1955 DMEA final payment in accordance with agreement			

FEB - 8 1955

MINERALS ENGINEERING COMPANY
P. O. BOX 1951
GRAND JUNCTION, COLORADO

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 7 1955

January 28, 1955

Mr. A. E. Weissenbom,
Executive Officer
DMEA Field Team, Region II
S. 157 Howard Street
Spokane 4, Washington

Dear Sir:

Attached is our Check No. 8114 drawn in favor of the Defense Minerals Exploration Administration in the amount of $4,128.10.

This check is submitted in final payment in accordance with agreement between DMEA and Minerals Engineering Company.

Very truly yours,

MINERALS ENGINEERING COMPANY

F R Ellsbury

F. R. Ellsbury,
Assistant Treasurer

FRE:ew
Encl.

RECEIVED
JAN 31 1955
U.S.G.S.
WASH.

Bureau of the Mines
Domestic Minerals Laboratory
RECEIVED
JAN 10 1955

xxxxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

January 5, 1955

WSM

Mrs. Myrtle Purdy, Certifying Officer
DMEA Field Team, Region II
1201 North Division Street
Spokane 2, Washington

Re: Docket No. DMEA-2292
American Alloy Metals, Inc.
Contract No. Idm-E247

Dear Mrs. Purdy:

Reference is made to my transmittal letter of October 8, 1954, sending Check No. A 5786 received from Minerals Engineering Company. Reference is made therein to GSA settlement sheets; these settlement sheets are enclosed.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures as indicated

cc: DMEA w/encls. ✓

Received attachments _____
date

Myrtle Purdy

Royalty

DEC 10 1954

xxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

December 7, 1954

WJM

Mrs. Myrtle Purdy, Certifying Officer
DMEA Field Team, Region II
1201 North Division Street
Spokane 2, Washington

Re: Docket No. DMEA-2292
American Alloy Metals, Inc.
Contract Idm-E247

Dear Mrs. Purdy:

Attached is Check No. A 6821 received from Minerals Engineering Co. dated November 27, 1954, in the amount of $12,500.00. This represents DMEA royalty due for the month of November 1954. Also attached is a copy of a letter dated December 1, 1954, from Minerals Engineering Co.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Attachments as indicated

cc: DMEA w/encl.

Received attachments _____
date

Myrtle Purdy

Royalty

MINERALS ENGINEERING COMPANY

TUNGSTEN HILL AND DIRCS
CLEH, MONTANA
REFINERY
SALT LAKE CITY
~~THORIUM ONLY~~
~~WEST CITY, COLORADO~~

ENGINEERING AND PRODUCTION OF MINERALS AND METALS
URANIUM DRILLING AND ELECTRONICS

TELEPHONE 430 801 4TH AVENUE P. O. Box 957
Grand Junction, Colorado

December 1, 1954

Mr. A. E. Weissenborn, Executive Officer
DMEA Field Team, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-2292
Contract Idm-E247
American Alloy Metals, Inc.

Dear Mr. Weiseenborn:

We are transmitting herewith our November 30th payment in the amount of $12,500.00 in accordance with your letter of October 19th to Mr. Blair Burwell.

Yours very truly,

MINERALS ENGINEERING COMPANY

F. R. Ellsbury

F. R. Ellsbury
Assistant Treasurer

FRE:miw

Encl.

RECEIVED
DEC 3 1954
U. S. G. S.
SPOKANE, WASH.

We're Building a Company - - -
ME Co.
- - - and We're in a Hurry

Docket

xxxxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

October 8, 1954

Mrs. Myrtle Purdy, Certifying Officer
DMEA Field Team, Region II
1201 North Division Street
Spokane 2, Washington

Re: Docket No. DMEA-2292
American Alloy Metals, Inc.
Brown's Lake deposit
Beaverhead County, Montana
Contract Idm-E247

Dear Mrs. Purdy:

Attached is Check No. A 5786 received from Minerals Engineering Company dated September 30, 1954, in the amount of $5,000.00. This check is to be credited to the account of the cited contract. Also attached is a copy of a letter from the Operator dated October 1, 1954. The copies of GSA settlement sheets mentioned in this letter will have to be reproduced and therefore will be sent to you at a later date.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Attachments as indicated

cc: Minerals Engineering Co.
Grand Junction, Colorado

American Alloy Metals, Inc.
San Francisco, California

DMEA w/encl.

Received attachments _____
date

Myrtle Purdy

MINERALS ENGINEERING COMPANY

TUNGSTEN MILL AND MINES
GLEN, MONTANA
REFINERY
SALT LAKE CITY

ENGINEERING AND PRODUCTION OF MINERALS AND METALS
URANIUM DRILLING AND ELECTRONICS

TELEPHONE 430 801 4TH AVENUE P. O. Box 957
Grand Junction, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 11 1954

October 1, 1954

Mr. A. E. Weissenborn
Executive Officer
Defense Minerals Exploration Administration
Field Team, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Royalty payments
Docket No. DMEA-2292 (tungsten)
American Alloy Metals, Inc.
Contract Idm-E247

Dear Mr. Weissenborn:

In line with my letter of September 7th to you and Mr. Burwell's letter of September 13th, we are sending copies of G. S. A. Settlement Sheets through July on the above contract.

Our auditors tell me the sum total of these sheets is $515,048.03, which were the net proceeds from our operation at the end of July, 1954.

We are sorry for the delay in sending these, however, as Mr. Burwell outlined in his letter to you of September 13th, there has been the necessity of reproducing most or all of these.

We are also attaching our check for $5000.00 to apply on the D. M. E. A. loan, bringing our total payment to D. M. E. A. up to $17,588.72.

Yours very truly,

MINERALS ENGINEERING COMPANY

C. A. Walt, Treasurer

CAW:miw

Enclosures

cc: Mr. E. A. Julian
San Francisco

RECEIVED
OCT 7 1954
U. S. G. S.
SPOKANE, WASH.

We're Building a Company - - -
ME Co.
- - - and We're in a Hurry

400

xxxxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

October 8, 1954

WSM

Mrs. Myrtle Purdy, Certifying Officer
DMEA Field Team, Region II
1201 North Division Street
Spokane 2, Washington

Re: Docket No. DMEA-2292
American Alloy Metals, Inc.
Brown's Lake deposit
Beaverhead County, Montana
Contract Idm-E247

Dear Mrs. Purdy:

Attached is Check No. A 5797 received from Minerals Engineering Company dated October 4, 1954, in the amount of $7,500.00. This check is to be credited to the account of the cited contract. Also attached is a copy of the letter from the Operator dated October 4, 1954.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Attachments as indicated

cc: Minerals Engineering Co.
Grand Junction, Colorado

American Alloy Metals, Inc.
San Francisco, California

DMEA w/encl.

Received attachments _____
date

Myrtle Purdy

MINERALS ENGINEERING COMPANY

TUNGSTEN MILL AND MINES
SLOAN, MONTANA
REFINERY
SALT LAKE CITY
~~MURPHY MINES~~
~~WESTCLIFFE, COLORADO~~

ENGINEERING AND PRODUCTION OF MINERALS AND METALS
URANIUM DRILLING AND ELECTRONICS

TELEPHONE 430 801 4TH AVENUE P. O. Box 957
Grand Junction, Colorado

Defense Minerals Administration
RECEIVED
OCT 11 1954

October 4, 1954

Mr. A. E. Weissenborn
~~Executive~~ Officer
Defense Minerals Exploration Administration
Field Team, Region II
South 157 Howard Street
Spokane 4, Washington

Dear Mr. Weissenborn:

Your Mr. Tom Howard was in our office today and discussed with Messrs. Burwell, Sullivan and Walt regarding payment of the D. M. E. A. loan for American Alloys.

We agreed to forward a check today for $7500.00, bringing the total payment on the loan up to $25,008.72, with further payments tentatively agreed upon, so that the entire loan will be liquidated by January 30, 1955.

Yours very truly,

MINERALS ENGINEERING COMPANY

C. A. Walt, Treasurer

CAW:miw

Encl. 1

We're Building a Company - - -
ME Co.
- - - and We're in a Hurry

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
So. 157 Howard Street
Spokane 4, Washington

Royalty

Received
MAY 17 1954

May 13, 1954

WSM

Mr. R. J. Hindman, Certifying Officer
DMEA Field Team, Region II
1201 North Division
Spokane, Washington

Re: Docket DMEA-2292 (tungsten)
American Alloy Metals, E247
and
Docket DMEA-2440 (tungsten)
Minerals Engineering Co., E300

Dear Mr. Hindman:

Attached is Check No. A 3929 received from Minerals Engineering Co. dated April 24, 1954, in the amount of $5,660.81. This check represents the Government's royalty due from the above-referenced companies for the months of February and March 1954. Also attached are royalty statements for each months. The company still has not furnished us with information previously requested in our letters of March 17 and April 19, 1954. We are again writing the operator.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Attachments as indicated

cc: DMEA w/encl.

Received attachments _____
date

R. J. Hindman

[illegible]RAL ENGINEERING CO. - TUNGSTEN OPERATIONS
DMEA Royalty Statement - Contracts Idm-[illegible]7 and Idm-E300
Month of February, 1954

[illegible] OF THE INTERIOR
[illegible] Minerals Administration
RECEIVED
MAY 17 1954

	(Idm-E247) Ivanhoe Lease	(Idm-E300) Lost Creek Lease	Non-DMEA Ore	Total
Tons Milled	5580.07			5580.07
WO_3 in mill heads				
Assay %	.381			
Units	2131.807			2131.807
% Units in mill heads	100.000			100.000
Concentrate Settlements Received				
Low Grade - Lot # 45) 47) 48) 52) 53) 55) 58) 60) 61) 62) 64) 65) 66)				$16,745.35
Low Grade - Lot # 69) 70) 72) 73) 74) 75) 76)				$1,374.97
Low Grade - Lot 79) 80) 82) 83) 84)				9,525.03
Total Concentrate Settlements Received	$28,145.34	-0-	-0-	$28,145.34
D.M.E.A. Royalty				
Rate	5-%			
Amount	$ 1,907.27			$ 1,907.27

MINERALS ENGINEERING CO. - TUNGSTEN OPERATIONS
DMEA Royalty Statement - Contracts Idm - E247 and Idm-E 300
Month of March, 1954

	(Idm-E247) Ivanhoe Lease	(Idm-E 300) Lost Creek Lease	Non-DMEA Ore	Total
Tons Milled	7207.92			
WO_3 in mill heads				
Assay %	0.3888			
Units	2802.439			
% Units in mill heads	100.0			
Concentrate Settlements Received				
Salt Lake Tungsten				
Adjustment prior months settlements				
Low Grade - Lot # 12				$ 1[illegible].11
22				(1[illegible].22)
(Allocated per December 1953 Sheet)	(3.30)	$ (.38)	-0-	(4.38)
Low Grade - Lot # 45				.63
47				.77
48				.50
53				.87
54				1[illegible].5
55				7[illegible].24
58				.9[illegible]
60				.54
61				.77
62				.56
64				.95
65				.51
66				.0[illegible]
69				7[illegible].51
70				13[illegible].56
72				74.75
73				152.34
74				157.70
75				77.16
76				4[illegible].85
77				96.62
80				99.97
82				16.03
83				69.50
84				132.32
(Allocated per February 1954 Sheet)	$1,211.35	-0-	-0-	$1,211.35
March 1954				
Low Grade - Lot # 85				$3,792.03
86				2,412.32
88				858.09
89				2,035.71
90				12,591.46
97				14,578.14
99				2,984.78
100				35,264.03
101				3,207.34
Total Salt Lake Tungsten				$63,[illegible].68

MINERALS ENGINEERING CO. - TUNGSTEN OPERATIONS
DMEA Royalty Statement - Contracts Idm - E247 and Idm E-300
Month of March, 1954

	(Idm-E247) Idaho Lease	(Idm-E 300) Lost Creek Lease	Non-DMEA Ore	Total
Total Salt Lake Tungsten				$63,311.38
General Services Administration				
High Grade - Lot # 1 H (Allocated per March 1954 Stm.)	$72,863.75	-0-	-0-	$12,551.07 $72,863.75
Total Concentrate Settlements Received	$75,073.30	(38)	-0-	$75,073.82
D.M.E.A. Royalty				
Rate	5-%	5-%		
Amount	$ 3,753.56	(02)	-0-	$ 3,753.54

Royalty

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

April 13, 1954

WSM

Mr. R. J. Hindman, Certifying Officer
DMEA Field Team, Region II
1201 North Division
Spokane, Washington

Re: Docket DMEA-2292 (tungsten)
American Alloy Metals, E247
and
Docket DMEA-2440 (tungsten)
Minerals Engineering Co., E300

Dear Mr. Hindman:

Attached is Check No. A 3731 received from Minerals Engineering Company dated April 7, 1954, in the amount of $1,472.68. This check represents the balance due on royalty payment on ore produced from the subject properties between October 15, 1953, and January 31, 1954. A previous payment in the amount of $631.15 covering this same period was sent to you on March 19, 1954.

Also attached is a revised royalty statement covering production from the subject properties for the period between October 15, 1953, and January 31, 1954, and a copy of a letter from the operator. The revised royalty statement is incomplete as was the original. We are again writing the operator for additional information in order to be able to check his royalty calculations. When this requested information is received we will forward it to you.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Attachments as indicated

cc: DMEA w/encl.

Received attachments _____
date

R. J. Hindman

MINERALS ENGINEERING COMPANY

TUNGSTEN, MIELAND MINES
ELER, MONTANA
REFINERY
SALT LAKE CITY

ENGINEERING AND PRODUCTION OF MINERALS AND METALS
URANIUM DRILLING AND ELECTRONICS

TELEPHONE 430 — 801 4TH AVENUE — P. O. Box 957
Grand Junction, Colorado

April 8, 1954

APR 9 1954

Mr. A. E. Weissenborn, Executive Officer
U. S. Geological Survey
So. 157 Howard Street
Spokane 6, Washington

Dear Mr. Weissenborn:

We are enclosing royalty check #4-3731 in the amount of $1,472.68, which covers the adjusted royalties on concentrate shipments as reflected by the attached DMEA Royalty Statements for the months of October and November and December, 1953, and January, 1954.

It is necessary at times to store concentrates until they can be shipped. Therefore the settlements cannot cover the entire production in any given period.

You will notice that the amount of the check for the three periods has been reduced by the amount of our prior payment ($331.15).

Please notify us at once if there is any further information required.

Very truly yours,

MINERALS ENGINEERING COMPANY

G. P. Wilson

G. P. Wilson, Office Manager

GPW/krd.

Encl:

RECEIVED
APR 12 1954
U. S. G. S.
SPOKANE, WASH.

We're Building a Company - - -
ME Co.
- - - and

MINERALS ENGINEERING COMPANY - TUNGSTEN OPERATIONS
DMEA Royalty Statement - Contracts Idm-E-247 & Idm-E 300
Period October 15 through November 30, 1953

	(Idm-E 247) Ibanhoe Lease	(Idm-E 300) Lost Creek Lease	Non-DMEA Ore	Total
Tons Milled	2146.0	786.5		2932.5
WO_3 in Mill Heads				
Assay %	.311	.262		
Units	667.406	206.063		873.469
% Units in Mill Heads	76.409	23.591		100.00
Concentrate Settlements Received				
High Grade #11	$3,075.05	$949.41		$4,024.46
DMEA ROYALTY				
Rate	5-%	5-%		
Amount	$153.75	$ 47.47	-0-	$ 201.22

MINE[illegible]S ENGINEERING COMPANY - TUNGST[illegible] OPERATIONS
DMEA ROYALTY STATEMENT - CONTRACTS Idm - E 247 & Idm - E 300
Month of December, 1954

	(Idm-E 247) Ivanhoe Lease	(Idm- E 300) Lost Creek Lease	Non-DMEA Ore	Total
Tons Milled	3722.0	740.0		4462.0
WO_3 in Mill Heads				
Assay %	.414	.205		
Units	1540.908	151.700		1692.608
% Units in Mill Heads	91.037	8.963		100.000
Concentrate Settlements Received				
High Grade - Lot #12				$4399.79
Low Grade 13				435.94
15				1132.10
18				2163.30
19				1531.83
High Grade 20 & 33				7845.49
Low Grade 22				1642.16
23				1557.01
27				2110.41
29				1876.69
31				1312.98
31 A				986.16
34				2478.56
	$26,097.05	$2,569.37	-0-	$28,666.42
DMEA ROYALTY				
Rate	5- %	5- %		
Amount	$1,304.85	$128.47		$1,433.32

MINERALS ENGINEERING COMPANY - TUNGSTEN OPERATIONS
DMEA Royalty Statement - Contracts Idm - E 247 & Idm - E 300
Month of January, 1954

	(Idm-E 247) Ivanhoe Lease	(Idm-E 300) Lost Creek Lease	Non-DMEA Ore	Total
Tons Milled	5261.9			5261.9
WO_3 in Mill Heads				
Assay %	.402			
Units	2115.284			2115.284
% Units in Mill Heads	100.000			100.000
Concentrate Settlements Received				
Low Grade - Lot #36				$2843.89
#38				1739.45
39				1221.42
41				1199.41
43				2311.72
	$9385.89	-0-	-0-	$9385.89
DMEA ROYALTY				
Rate	5-%			
Amount	$ 469.29			$469.29

ne 3-3302

Con. Serial 138

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

J. V. SADLER, President
A. C. SELBY, Vice-Pres. & Treas.
A. C. SELBY, Jr., Secretary
Salt Lake City 11, Utah

Mine Salt Lake Tungsten 77

Order No. 443

Feb. 5, 1954

RESULTS PER TON OF 2000 POUNDS

LOT	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	~~ZINC~~ Per Cent	SULPHUR Per Cent	TUNGSTIC OXIDE Per Cent	IRON Per Cent	LIME Per Cent	Per Cent
						H_2O					
Mineral Engineering											
Lot 42						14.20		59.20			

RECEIVED
FEB 10 1954
THE SALT LAKE TUNGSTEN COMPANY

Remarks

Sampled By

Charges $9.00

J. V. Sadler

Telephone 3-3302

Con. Serial 152

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

J. V. SADLER, President
A. C. SELBY, Vice-Pres. & Treas.
A. C. SELBY, Jr., Secretary

Salt Lake City 11, Utah

Mine Salt Lake Tungsten 77

RESULTS PER TON OF 2000 POUNDS

Feb.11,1954

LOT	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	~~XXXX~~ Per Cent	SULPHUR Per Cent	TUNGSTIC OXIDE Per Cent	~~XXXX~~ Per Cent	LIME Per Cent	Per Cent
						As			Mo		
Minerals Engineering 26-H - 42 Kiln Dried				0.117		0.030	0.14	61.44	1.562		

RECEIVED
FEB 16 1954
THE SALT LAKE TUNGSTEN COMPANY

Remarks

Sampled By

Charges $ 15.00

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: March 3, 1954

Certificate of Authorization Number 8 - 391

TO Minerals Engineering Company
P.O.Box 957
Grand Junction, Colorado

Lot No. One (1)

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 5,882 pounds (wet basis) of Tungsten Concentrates (Type D Natural Scheelite) containing 177.3423 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of None% and analyses in a dry basis as follows:

		Percent			Percent
Tungsten Trioxide (WO3)		60.30	Molybdenum (Mo)		* 3.45
Tin (Sn)	less than	.10	Phosphorous (P)	less than	.01
Copper (Cu)	*	.12	Sulphur (S)		.24
Arsenic (As)		.01	Manganese (Mn)		.20
Antimony (Sb)	less than	.10	Lead (Pb)		.09
Bismuth (Bi)	less than	.10	Zinc (Zn)		.02

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
* .07% Copper above .05% at $0.25 for each .01 per cent	1.75
* .70% Molybdenum above 2.75 at $0.25 for each .10 %	1.75
Total Penalties	3.50
Adjusted Base Price — Per S. T. U.	59.50

Gross Wt. 6309 Pounds Tare Wt. 427 Pounds Net Wt. 5882 Pounds

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T U. WO3		Adjusted Base Price		Payment
5882	–	None	=	5882	×	60.3	=	3546.846	or	177.3423	×	59.50	=	10,551.87

ACCEPTANCE

Received and Accepted by General Services Administration at Salt Lake City, Utah

By (Type name)	Signature	Title
N. Harold Mundell	/s/	Acting Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	10,551.87

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	/s/ Blair Burwell 3/10/54
By (Signature)	Title
	President

CONTRACTOR: Minerals Engineering Co. DATE: March 30, 1954
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8 - 391 LOT NO: One (1)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type D Natural Scheelite) per weight certificate and assay report attached

WEIGHT				ANALYSIS		
Gross Weight	6309	lbs.		(WO_3)		60.30 %
Tare Weight	427	lbs.		Sn	less than	.10 %
Net Weight	5882	lbs.		Cu	*	.12 %
Moisture None %	None	lbs.		As		.01 %
Net dry pounds	5882	or 2.941	S.D.T.	Sb	less than	.10 %
				Bi	less than	.10 %
				Mo	*	3.45 %
				P	less than	.01 %
				S		.24 %
				Mn		.20 %
				Pb		.09 %
				Zn		.02 %

Net dry pounds 5,882 containing 60.3 % WO_3
equals 3546.846 lbs. WO_3 or 177.3423 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

	% WO_3	below 60%	20	cents	for each		%	$
	% Sn	above	25	"	"	"	%	$
*.07	% Cu	" .05	25	"	"	"	.01 %	$ 1.75
	% As	"	25	"	"	"	%	$
	% Sb	"	25	"	"	"	%	$
	% Bi	"	25	"	"	"	%	$
* .70	% Mo	" 2.75	25	"	"	"	.10 %	$ 1.75
	% P	"	25	"	"	"	%	$
	% S	"	25	"	"	"	%	$
	% Mn	"	25	"	"	"	%	$
	% Pb	"	25	"	"	"	%	$
	% Zn	"	25	"	"	"	%	$

Total Penalties . . . . . $ 3.50
Net price per short ton unit $ 59.50

177.3423 S.T.U.'s X $59.50 =

Net amount due $ 10,551.87

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Salt Lake City, Utah

No. 15

Report to Chief, Inspection Division
General Services Administration
Denver Federal Center
Denver 14, Colorado

Chemical Laboratory Report

Date received Feb. 18, 1954

Prog. 977

Date reported Feb. 26, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Sn	Bi	S
	Minerals Engineering Co. Grand Junction, Colorado			60.3	0.20	0.01	<0.1	0.12	0.09	0.02	<0.1	<0.1	0.24
2	Natural Scheelite Tungsten Concentrates												
	Cert. No. 8-391 Sample 1 5,882 lbs.	1											
				Mo	Ca	P							
				3.45	15.8	<0.01							

This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess copper and molybdenum.

Moisture as received - None.

cc: C. Schack

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed /s/ A. E. Peterson

GENERAL SERVICES ADMINISTRATION

SALT LAKE CITY, UTAH

DATE: February 16, 1954

DELIVERY RECEIPT and WEIGHT CERTIFICATE

This is to certify that we, the undersigned, weighed the lot of tungsten concentrates identified hereinbelow and that the weights as shown as true and correct.

SUPPLIER: Minerals Engineering Company, Grand Junction, Colorado

CERTIFICATE NUMBER: 8-391 Domestic Tungsten Program

LOT NUMBER: One (1)

NUMBER OF DRUMS 17

*GROSS WEIGHT 6,309 POUNDS

TARE OF DRUMS 427 POUNDS

NET WET WEIGHT 5,882 POUNDS

*Includes 14 lbs. sample.

/s/ Axel G. Jarvis
Axel G. Jarvis, GSA Inspector

/s/ Blair T. Burwell Supt.
Minerals Engineering Company

THE SALT LAKE TUNGSTEN COMPANY
2160 INDIANA AVENUE TELEPHONE 4-0532 P. O. BOX 2572
SALT LAKE CITY 10, UTAH

February 18, 1954

MINERALS ENGINEERING COMPANY
P. O. BOX #957
GRAND JUNCTION, COLORADO

ATTENTION: R. G. SULLIVAN

Dear Ray:

As requested through Blair T. Burwell, we are forwarding under separate cover to the attention of Glen Wilson, the information on the natural scheelite which was shipped under your certificate #8-391 on February 16. We are also forwarding the Union Assay Office returns on the natural scheelite as it was received here, together with the Union Assay Office report on this same natural as it was kiln dried.

In as much as we do not receive this money, we are not including it in our records here except to charge you for the drying costs. Because of this, no affidavit on bank borrowing is being prepared.

Yours truly,

THE SALT LAKE TUNGSTEN COMPANY

E. W. Isham

E. W. Isham

EWI/mls

RECEIVED
FEB 20 1954
MINERALS
ENGINEERING
CO.

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date _____ Shippers Lot No. 42 - 26H S.L.T. Co. Lot No. 77

Shipper Minerals Engineering Co.

Shipped From Glen, Montana Date 2-4-54

Sampled By Salt Lake Tungsten Date 2-4-54 Report No. _____

Assayed By Union Assay Office Date 2-5-54 Report No. 138

R.R. Car
Truck ME Co Gross Lbs. 7606 Tare Lbs. 410 Wet Wt. Lbs. 7196

Assay 59.20 % Moisture 14.20 % Lbs. 1022

Dry Weight Lbs. 6174

Dry Tons 3.087 x Settlement Assay 59.20 % Total Contained Units 182.75

SETTLEMENT

Contained Units 182.75 2 x 2 $63.00 $ 11,513.25 Gross value

Less Deductions:

Losses _____ _____

Refinery Charge _____ _____

Sampling Charges _____ _____

Freight Charges _____ _____

Advances _____ _____

Total Deductions $ _____

Net Settlement $ _____

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: April 22, 1954

Certificate of Authorization Number: 8-391

TO Minerals Engineering Company
P.O. Box 957
Grand Junction, Colorado

Lot No. 2

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 2,446 pounds (wet basis) of Tungsten Concentrates (Type Natural D Scheelite) containing 86.34 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	70.6	** See Settlement Sheet Attached. Molybdenum (Mo)	**2.529
Tin (Sn)	less than .10	Phosphorous (P)	less than .05
Copper (Cu)	* .22	Sulphur (S)	.22
Arsenic (As)	.02	Manganese (Mn)	.06
Antimony (Sb)	less than .10	Lead (Pb)	* .19
Bismuth (Bi)	less than .10	Zinc (Zn)	.02

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
* .17% Copper above .05% at 25 cents for each .01%	4.25
* .09% Lead above .10% at 25 cents for each .10%	.225
Total Penalties	$ 4.475
Adjusted Base Price — Per S. T. U.	58.525

Gross Wt. 2,622 Pounds Tare Wt. 176 Pounds Net Wt. 2,446 Pounds

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
2,446	−	None	=	2,446	×	70.6	=	1726.876	or	86.34	×	58.525	=	$5,053.05

ACCEPTANCE

Received and Accepted by General Services Administration at

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	$5,053.05

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
MINERALS ENGINEERING COMPANY	April 24, 1954
By (Signature)	Title
/s/ R. G. Sullivan	Vice President

GPO 832720 GSA-R8-263 (4-53)

Includes 624.46 purchased ore

CONTRACTOR: Minerals Engineering Company DATE: April 2[illegible] 1954
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: Two (2)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type D Natural Scheelite) per weight certificate and assay report attached

WEIGHT

Gross Weight	2,622	lbs.
Tare Weight	176	lbs.
Net Weight	2,446	lbs.
Moisture None %		lbs.
Net dry pounds	2,446	or 1.223 S.D.T.

** Participant's assay, Mo 2.529%
Government's assay, Mo 3.97%
Umpire assay, Mo 2.39%
Settlement ~~used~~ based on middle result.

ANALYSIS

(WO_3)	70.6	%
Sn	less than .10	%
Cu	* .22	%
As	.02	%
Sb	less than .10	%
Bi	less than .10	%
Mo	** 2.529	%
P	less than .05	%
S	.22	%
Mn	.06	%
Pb	* .19	%
Zn	.02	%

Net dry pounds 2.446 containing 70.6 % WO_3
equals 1726.376 lbs. WO_3 or 86.34 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

	% WO_3 below 60%		20 cents for each				%	$	
	% Sn above		25 " " "				%	$	
* .17	% Cu "	.05	25 " " "			.01	%	$	4.25
	% As "		25 " " "				%	$	
	% Sb "		25 " " "				%	$	
	% Bi "		25 " " "				%	$	
	% Mo "		25 " " "				%	$	
	% P "		25 " " "				%	$	
	% S "		25 " " "				%	$	
	% Mn "		25 " " "				%	$	
* .09	% Pb "	.10	25 " " "			.10	%	$	.225
	% Zn "		25 " " "				%	$	

Total Penalties . . . . . $ 4.475
Net price per short ton unit $ 58.525

86.34 S.T.U.'s X $58.525 =

Net amount due $ 5,053.05

Distribution: (4) Orig. - Reg. Compt.
1 - Participant
1 - Inspection, Wash.
1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 19

Report to Chief, Inspection Division
General Services Administration
Denver Federal Center
Denver 14, Colorado

Chemical Laboratory Report

Date received Mar. 30, 1954

Prog. 977

Date reported April 5, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	Cu	Pb	Zn	As	Sb	Mo	Ca	S
	Minerals Engineering Co. Grand Junction, Colorado												
2[illegible]5	Natural Scheelite Tungsten Concentrates Sample 2	2		70.6	0.06	0.22	0.19	0.02	0.02	<0.1	3.97	14.7	0.22
				Bi	P	Sn							
				<0.1	<0.05	<0.1							

This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess copper, lead and molybdenum.

Moisture as received - None.

cc: Carl Schack

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: April 16, 1954

Certificate of Authorization Number 8-391

TO Minerals Engineering Company
P. O. Box 957
Grand Junction, Colorado

Lot No. 3

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 10,330 pounds (wet basis) of Tungsten Concentrates (Type Natural D Scheelite) containing 373.946 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	72.4	Molybdenum (Mo)	* 3.91
Tin (Sn)	less than .01	Phosphorous (P)	less than .01
Copper (Cu)	.02	Sulphur (S)	.12
Arsenic (As)	less than .01	Manganese (Mn)	.05
Antimony (Sb)	less than .01	Lead (Pb)	.08
Bismuth (Bi)	less than .01	Zinc (Zn)	.01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
* 1.16% Molybdenum above 2.75 at 25 cents for each .10%	$2.90
Total Penalties	$ 2.90
Adjusted Base Price — Per S. T. U.	60.10

Gross Wt. 11,099 Pounds Tare Wt. 769 Pounds Net Wt. 10,330 Pounds

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
10,330	–	None	=	10,330	×	72.4	=	7478.920	or	373.946	×	60.10	=	$22,474.15

ACCEPTANCE

Received and Accepted by General Services Administration at

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	$22,474.15

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
MINERALS ENGINEERING COMPANY	April 17, 1954
By (Signature)	Title
/s/ R. G. Sullivan	Vice President

GENERAL SERVICES ADMINISTRATION

Denver Federal Center
Denver, Colorado

April 19, 1954

Minerals Engineering Company
P. O. Box 957
Grand Junction, Colorado

Gentlemen:

This will acknowledge receipt of your letter of April 17, 1954.

Enclosed herewith are copies of Acceptance and Invoice, settlement sheet and assay report covering Lot No. 3, which may be retained for your files.

Yours truly,

C. V. FITZGERALD
Chief, Inspection Division

Enclosures - 3

04H, 03H, 04H & 05H

USG Ck # 17018.410

Sh/he included in Als Lot #2 settlement

RECEIVED
APR 22 1954
MINERALS ENGINEERING CO.

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 21

Chief, Inspection Division
General Services Admin,
Denver Federal Center
Report to Mr. Denver 14, Colorado

Chemical Laboratory Report

977

Date received April 7, 1954

Date reported April 14, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	P	Sn	Mo
	Minerals Engineering Co. Grand Junction, Colorado			72.4	0.05	<0.01	<0.1	0.02	0.08	0.01	<0.01	<0.1	3.91
45	Natural Scheelite Tungsten concentrates Sample 3	3											
	Cert. 8-391 10,330 net weight wet lbs.			Ca	S	Bi							
				15.0	0.12	<0.1							

This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess molybdenum.

Moisture as received - none.

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

cc: Carl Schack

Signed

GENERAL SERVICES ADMINISTRATION

SALT LAKE CITY, UTAH

DATE: April 2, 1954

DELIVERY RECEIPT and WEIGHT CERTIFICATE

This is to certify that we, the undersigned, weighed the lot of tungsten concentrates identified hereinbelow and that the weights as shown as true and correct.

SUPPLIER: Minerals Engineering Company, Grand Junction, Colorado

CERTIFICATE NUMBER: 8-391 Domestic Tungsten Program

LOT NUMBER: Three (3)

NUMBER OF DRUMS 30

*GROSS WEIGHT 11,099 POUNDS

TARE OF DRUMS 769 POUNDS

NET WET WEIGHT 10,330 POUNDS

*Includes 16 lbs. sample.

/s/
Axel G. Jarvis, GSA Inspector

/s/ Blair T. Burwell Supt.
Minerals Engineering Company

CONTRACTOR: Minerals E[redacted]neering Company DATE: April [redacted], 1954
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: Three (3)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type D Natural Scheelite) per weight certificate and assay report attached

WEIGHT			ANALYSIS	
Gross Weight	11,099 lbs.		(WO_3)	72.4 %
Tare Weight	769 lbs.		Sn	less than .01 %
Net Weight	10,330 lbs.		Cu	.02 %
Moisture None %	lbs.		As	less than .01 %
Net dry pounds	10,330 or	5.165 S.D.T.	Sb	less than .01 %
			Bi	less than .01 %
			Mo	* 3.91 %
			P	less than .01 %
			S	.12 %
			Mn	.05 %
			Pb	.08 %
			Zn	.01 %

Net dry pounds 10,330 containing 72.4 % WO_3
equals 7478.920 lbs. WO_3 or 373.946 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

	% WO_3 below 60%		20 cents for each		%	$	
	% Sn above		25 " " "		%	$	
	% Cu "		25 " " "		%	$	
	% As "		25 " " "		%	$	
	% Sb "		25 " " "		%	$	
	% Bi "		25 " " "		%	$	
*1.16	% Mo "	2.75	25 " " "		.10 %	$	2.90
	% P "		25 " " "		%	$	
	% S "		25 " " "		%	$	
	% Mn "		25 " " "		%	$	
	% Pb "		25 " " "		%	$	
	% Zn "		25 " " "		%	$	

Total Penalties . . . . . $ 2.90
Net price per short ton unit $ 60.10

373.946 S.T.U.'s X $60.10 =

Net amount due $ 22,474.15

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

DEPARTMENT OF THE INTERIOR
Federal Minerals Administration
RECEIVED
SEP 1 0 1955

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: May 13, 1954

Certificate of Authorization Number: 8-391

TO Minerals Engineering Company
P. O. Box 957
Grand Junction, Colorado

Lot No. 4

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 6,663 pounds (wet basis) of Tungsten Concentrates (Type D Natural Scheelite) containing 235.8702 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	70.8	Molybdenum (Mo) UMPIRE	2.69
Tin (Sn)	less than .10	Phosphorous (P)	less than .01
Copper (Cu)	.03	Sulphur (S)	.14
Arsenic (As)	less than .01	Manganese (Mn)	.10
Antimony (Sb)	less than .10	Lead (Pb)	.10
Bismuth (Bi)	less than .10	Zinc (Zn)	less than .01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties: NONE	
Total Penalties	
Adjusted Base Price — Per S. T. U.	

Gross Wt. 7,139 Pounds Tare Wt. 476 Pounds Net Wt. 6,663 Pounds

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
6,663	−	None	=	6,663	×	70.8	=	4717.404	or	235.8702	×	$63.00	=	$14,859.82

ACCEPTANCE

Received and Accepted by General Services Administration at

By (Type name)	Signature	Title
N. Harold Mundell	/s/	Acting Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	$14,859.82

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
By (Signature)	Title

CONTRACTOR: Minerals E[illegible]neering Co. DATE: May 1?, [illegible]954
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: Four (4)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type D Natural Scheelite) per weight certificate and assay report attached

WEIGHT			ANALYSIS		
Gross Weight	7,139	lbs.	(WO_3)	70.8	%
Tare Weight	476	lbs.	Sn	less than .10	%
Net Weight	6,663	lbs.	Cu	.03	%
Moisture None %		lbs.	As	less than .01	%
Net dry pounds	6,663	or 3.3315 S.D.T.	Sb	less than .10	%
			Bi	less than .10	%
			Mo	UMPIRE 2.69	%
			P	less than .01	%
			S	.14	%
			Mn	.10	%
			Pb	.10	%
			Zn	less than .01	%

MOLYBDENUM
Government's Assay 3.90
Participant's Assay 2.304
Umpire Assay 2.69
SETTLEMENT ON UMPIRE RESULT

Net dry pounds 6,663 containing 70.8 % WO_3
equals 4717.404 lbs. WO_3 or 235.8702 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES: NONE

____	% WO_3 below 60%	20	cents	for	each	____ %	$ ____
____	% Sn above ____	25	"	"	"	____ %	$ ____
____	% Cu " ____	25	"	"	"	____ %	$ ____
____	% As " ____	25	"	"	"	____ %	$ ____
____	% Sb " ____	25	"	"	"	____ %	$ ____
____	% Bi " ____	25	"	"	"	____ %	$ ____
____	% Mo " ____	25	"	"	"	____ %	$ ____
____	% P " ____	25	"	"	"	____ %	$ ____
____	% S " ____	25	"	"	"	____ %	$ ____
____	% Mn " ____	25	"	"	"	____ %	$ ____
____	% Pb " ____	25	"	"	"	____ %	$ ____
____	% Zn " ____	25	"	"	"	____ %	$ ____

Total Penalties . . . . . $ ____
Net price per short ton unit $ ____

235.8702 S.T.U.'s X $63.00 =
Net amount due $ 14,859.82

Distribution: (4) Orig. - Reg. Compt.
1 - Participant
1 - Inspection, Wash.
1 - E.P.A.

GSA-RS-267
(5-53)

2114 Curtis Street TELEPHONE MAin 1852

CHEMISTS . ASSAYERS . ENGINEERS

Denver, Colorado

General Services Administration,
Denver Federal Center,
Denver, Colorado

Folio 6197

Date May 12, 1954.

WE HEREBY CERTIFY, that the samples assayed for you gave the following results:

DESCRIPTION	gold ounces per ton	silver ounces per ton	copper percent (wet)	lead percent (wet)	zinc per cent	iron per cent	insoluble per cent	value per ton
UMPIRE Sample No. 4 Lot No. 4 Quantity: 6663 pounds. Tungsten, Natural Scheelite. Minerals Engineering Co., P. O. Box 957 Grand Junction, Colo.					Molybdenum (Mo): 2.69%			

Gold at _____ per ounce Copper at _____ per unit

Silver at _____ per ounce Zinc at _____ per unit CHARGE $ 10.00

Lead at _____ per unit

CHARLES O. PARKER & CO.
Chemists, Assayers and Engineers

/s/ Charles O. Parker

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 24

Chief, Inspection Division
General Services Administration
Denver Federal Center
Report to Mr. Denver 14, Colorado

Chemical Laboratory Report

Date received April 13, 1954

977

Date reported April 21, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	S
	Minerals Engineering Company Grand Junction, Colorado												
2[illegible]4	Natural Scheelite Tungsten concentrates Sample 4	4		70.8	0.1	<0.01	<0.1	0.03	0.10	<0.01	3.90	15.1	0.14
	Cert. 8-391 6,663 lbs. net wet			Bi	P	Sn							
				<0.1	<0.01	<0.1							

This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess molybdenum.

Moisture as received - none.

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

cc: Carl Schack.

Signed

DEPARTMENT OF THE INTERIOR
Geological Survey Administration
RECEIVED
MAR 10 1955

CORRECTED COPY

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date May 13, 1954

Certificate of Authorization Number 8-391

TO Minerals Engineering Company
P. O. Box 957
Grand Junction, Colorado

Lot No. 5

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 18,214 pounds (wet basis) of Tungsten Concentrates (Type E Synthetic Scheelite) containing 626.5616 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	68.80	Molybdenum (Mo)	.57
Tin (Sn)	less than .10	Phosphorous (P)	.02
Copper (Cu)	.01	Sulphur (S)	.50
Arsenic (As)	.06	Manganese (Mn)	.03
Antimony (Sb)	less than .10	Lead (Pb)	.01
Bismuth (Bi)	less than .10	Zinc (Zn)	.01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties — NONE	Dollars
Total Penalties	
Adjusted Base Price — Per S. T. U.	

Gross Wt. 19,643 Pounds Tare Wt. 1,429 Pounds Net Wt. 18,214 Pounds

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
18,214	−	None	=	18,214	×	68.80	=	12531.232	or	626.5616	×	$63.00	=	$39,473.38

ACCEPTANCE

Less Amount Paid 39,060.28

Received and Accepted by General Services Administration at

Balance Due $ 413.10

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above		$39,473.38
	Less Amount Paid	39,060.28
	Balance Due	$ 413.10

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
By (Signature) /s/ R. G. Sullivan	Title

GPO 832720 GSA-R8-263 (4-53)

CORRECTED COPY

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: May 4, 1954

Certificate of Authorization Number: 8-391

TO Minerals Engineering Company
P.O. Box 957
Grand Junction, Colorado

Lot No. 5

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 18,214 pounds (wet basis) of Tungsten Concentrates (Type E Synthetic Scheelite) containing 620.0045 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	68.08	Molybdenum (Mo)	.57
Tin (Sn)	less than .10	Phosphorous (P)	.02
Copper (Cu)	.01	Sulphur (S)	.50
Arsenic (As)	.06	Manganese (Mn)	.03
Antimony (Sb)	less than .10	Lead (Pb)	.01
Bismuth (Bi)	less than .10	Zinc (Zn)	.01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties: NONE	
Total Penalties	
Adjusted Base Price — Per S. T. U.	

Gross Wt. 19,643 Pounds Tare Wt. 1,429 Pounds Net Wt. 18,214 Pounds

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
18,214	−	None	=	18,214	×	68.08	=	12400.091	or	620.0045	×	$63.00	=	$39,060.28

ACCEPTANCE

Received and Accepted by General Services Administration at

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To	Region Number	
General Services Administration	8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	$39,060.28

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
MINERALS ENGINEERING COMPANY	May 5, 1954
By (Signature) /s/ Blair Burwell	Title: President

CONTRACTOR: Minerals Engineering Company DATE: May 4, 1954
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: Five (5)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type E Synthetic Scheelite) per weight certificate and assay report attached

WEIGHT				ANALYSIS		
Gross Weight	19,643	lbs.		(WO_3)	68.08	%
Tare Weight	1,429	lbs.		Sn	less than .10	%
Net Weight	18,214	lbs.		Cu	.01	%
Moisture None %		lbs.		As	.06	%
Net dry pounds	18,214	or 9.107	S.D.T.	Sb	less than .10	%
				Bi	less than .10	%
				Mo	.57	%
				P	.02	%
				S	.50	%
				Mn	.03	%
				Pb	.01	%
				Zn	.01	%

Net dry pounds 18,214 containing 68.08 % WO_3
equals 12400.091 lbs. WO_3 or 620.0045 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES: N O N E

____	% WO_3 below 60%		20	cents	for	each	____ %	$ ____
____	% Sn above	____	25	"	"	"	____ %	$ ____
____	% Cu "	____	25	"	"	"	____ %	$ ____
____	% As "	____	25	"	"	"	____ %	$ ____
____	% Sb "	____	25	"	"	"	____ %	$ ____
____	% Bi "	____	25	"	"	"	____ %	$ ____
____	% Mo "	____	25	"	"	"	____ %	$ ____
____	% P "	____	25	"	"	"	____ %	$ ____
____	% S "	____	25	"	"	"	____ %	$ ____
____	% Mn "	____	25	"	"	"	____ %	$ ____
____	% Pb "	____	25	"	"	"	____ %	$ ____
____	% Zn "	____	25	"	"	"	____ %	$ ____

Total Penalties . . . . . $ ____
Net price per short ton unit $ ____

620.0045 S.T.U.'s X $63.00 =
Net amount due $ 39,060.28

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Salt Lake City, Utah

No. 26

Chief, Inspection Division
General Services Admin.
Denver Federal Center
Report to Mr. Denver 14, Colorado

Chemical Laboratory Report

Date received April 23, 1954 Prog. 977 Date reported April 30, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	Cu	Sn	Cu	As	Sb	Bi	Mo	P
	Minerals Engineering Co. Grand Junction, Colorado												
7[illegible]3	Synthetic Scheelite Tungsten Concentrates Sample 5	Lot 5		68.8	0.03	16.7	<0.1	0.01	0.06	<0.1	<0.1	0.57	0-02
	18,214 lbs. net wet weight												
				S	Pb	Zn							
				0.50	0.01	0.01							
					6.5% weight minus 35 mesh								
			This lot of tungsten concentrates meets chemical specifications and sizing specifications.										
					Moisture as received - None.								
	cc: Carl Schack												

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date May 24, 1954

Certificate of Authorization Number 8-391

TO Minerals Engineering Company
P. O. Box 957
Grand Junction, Colorado

Lot No. 6

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 18,874 pounds (wet basis) of Tungsten Concentrates (Type D Natural Scheelite) containing 670.027 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None Such material has a moisture content of None % and analyses in a dry basis as follows:

		Percent			Percent
Tungsten Trioxide (WO3)		71.0	Molybdenum (Mo)	UMPIRE	2.73
Tin (Sn)	less than	.10	Phosphorous (P)	less than	.01
Copper (Cu)		.03	Sulphur (S)		.15
Arsenic (As)	less than	.01	Manganese (Mn)		.08
Antimony (Sb)	less than	.10	Lead (Pb)		* .12
Bismuth (Bi)	less than	.10	Zinc (Zn)		.01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	
* .02% Lead above .10% at 25 cents for each .10%	$ 0.05
Total Penalties	$ .05
Adjusted Base Price — Per S. T. U.	$62.95

Gross Wt. 20,244 Pounds Tare Wt. 1,370 Pounds Net Wt. 18,874 Pounds

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
18,874	−	None	=	18,874	×	71.0	=	13,400.54	or	670.027	×	$62.95	=	$42,178.20

ACCEPTANCE

Received and Accepted by General Services Administration at

By (Type name)	Signature	Title
N. Harold Mundell	/s/	Acting Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	$42,178.20

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	May 26, 1954
By (Signature)	Title Treasurer

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 27

Report to Chief, Inspection Division
General Services Admin.
Denver Federal Center
Denver 14, Colorado

Chemical Laboratory Report

Date received April 27, 1954

Prog. 977

Date reported May 5, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	Cu	Pb	Zn	As	Sb	Bi	Ca	P
	Minerals Engineering Co. Grand Junction, Colorado												
	Natural Scheelite Tungsten Concentrates, Sample 6	6		71.0	0.08	0.03	0.12	0.01	<0.01	<0.1	<0.1	14.8	<0.01
	Cert. No. 8-391 18,874 lbs. net wet weight												
				Sn	Mo	S							
				<0.1	3.61	0.15							
				This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess lead and molybdenum.									
				Moisture as received - None.									
	cc: Carl Schack												

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed

2114 Curtis Street

Telephone MAin 1852

CHEMISTS . ASSAYERS . ENGINEERS

Denver 2, Colorado

Folio 6201

General Services Administration,
Denver Federal Center,
Denver, Colo.

Date May 21, 1954.

WE HEREBY CERTIFY, that the samples assayed for you gave the following results:

DESCRIPTION	Gold ounces per ton	Silver ounces per ton	Copper per cent (wet)	Lead percent (wet)	Zinc per-cent	Iron per-cent	Insolubile per cent	value per ton
UMPIRE Sample No. 6, Lot no. 6 Quantity: 18,874 lbs. Minerals Engineering Co., P. O. Box 957, Grand Junction, Colo. Natural Scheelite, Type D, Domestic Origin.				Molybdenum (Mo): 2.73%				

Gold at _____ per ounce Copper at _____ per unit

Silver at _____ per ounce Zinc at _____ per unit

Lead at _____ per unit

CHARGE $ 10.00

CHARLES O. PARKER & CO.
Chemists, Assayers and Engineers

/s/ Charles O. Parker

CONTRACTOR: Minerals Engineering Company DATE: May 24, 1954
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: Six (6)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type D Natural Scheelite) per weight certificate and assay report attached

WEIGHT				ANALYSIS		
Gross Weight	20,244 lbs.			(WO_3)		71.0 %
Tare Weight	1,370 lbs.			Sn	less than	.10 %
Net Weight	18,874 lbs.			Cu		.03 %
Moisture None %	lbs.			As	less than	.01 %
Net dry pounds	18,874 or	9.437 S.D.T.		Sb	less than	.10 %
				Bi	less than	.10 %
MOLYBDENUM				Mo	UMPIRE	2.73 %
Participant's Assay		2.46		P	less than	.01 %
Government's Assay		3.61		S		.15 %
Umpire Assay		2.73		Mn		.08 %
SETTLEMENT ON UMPIRE RESULT				Pb	*	.12 %
				Zn		.01 %

Net dry pounds 18,874 containing 71.0 % WO_3
equals 13,400.54 lbs. WO_3 or 670.027 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

	% WO_3 below 60%		20 cents for each		%	$	
	% Sn above		25 " " "		%	$	
	% Cu "		25 " " "		%	$	
	% As "		25 " " "		%	$	
	% Sb "		25 " " "		%	$	
	% Bi "		25 " " "		%	$	
	% Mo "		25 " " "		%	$	
	% P "		25 " " "		%	$	
	% S "		25 " " "		%	$	
	% Mn "		25 " " "		%	$	
* .02	% Pb "	.10	25 " " "		.10 %	$	.05
	% Zn "		25 " " "		%	$	

Total Penalties . . . . . $ .05
Net price per short ton unit $ 62.95

670.027 S.T.U.'s X $62.95 =
Net amount due $ 42,178.20

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

DEPARTMENT OF THE INTERIOR
Bureau Mines Carbonaceous
RECEIVED
JUN 14 0 1955

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: May 14, 1954

Certificate of Authorization Number: 8-391

TO Minerals Engineering Company
P. O. Box 957
Grand Junction, Colorado

Lot No. 7

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 16,591 pounds (wet basis) of Tungsten Concentrates (Type Synthetic E Scheelite) containing 574.0485 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	69.20	Molybdenum (Mo)	.85
Tin (Sn)	less than .10	Phosphorous (P)	.03
Copper (Cu)	less than .01	Sulphur (S)	.23
Arsenic (As)	.09	Manganese (Mn)	.04
Antimony (Sb)	less than .10	Lead (Pb)	less than .01
Bismuth (Bi)	less than .10	Zinc (Zn)	less than .01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties: NONE	
Total Penalties	
Adjusted Base Price — Per S. T. U.	

Gross Wt. 17,817 Pounds Tare Wt. 1,226 Pounds Net Wt. 16,591 Pounds

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T U. WO3		Adjusted Base Price		Payment
16,591	–	None	=	16,591	×	69.20	=	11480.97	or	574.0485	×	$63.00	=	$36,165.06

ACCEPTANCE

Received and Accepted by General Services Administration at

By (Type name)	Signature	Title
N. Harold Mundell	/s/	Acting Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	$36,165.06

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
By (Signature)	Title

3 3302

Con. Serial 443

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

J. V. SADLER, President
A. C. SELBY, Vice Pres. & Treas.
A. C. SELBY, Jr., Secretary

Salt Lake City 11, Utah

Mine **Minerals Engineering Lot 7**

May 6, 1954

RESULTS PER TON OF 2000 POUNDS

LOT	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	TUNGSTIC OXIDE Per Cent	XXXX IRON Per Cent	XXXX LIME Per Cent	Per Cent
									As	P	
51 Cans 5/4/54							0.233	69.20	0.149	0.011	
802											
Total Weight ~~802~~ Grams											
Minus 35 Mesh 19 Grams											

Remarks

Sampled By

Charges $ 14.00

/s/ A. C. Silly

GENERAL SERVICES ADMINISTRATION

SALT LAKE CITY, UTAH

DATE: May 5, 1954

DELIVERY RECEIPT and WEIGHT CERTIFICATE

This is to certify that we, the undersigned, weighed the lot of tungsten concentrates identified hereinbelow and that the weights as shown as true and correct.

SUPPLIER: Minerals Engineering Company, Grand Junction, Colorado

CERTIFICATE NUMBER: 8-391 Domestic Tungsten Program

LOT NUMBER: Seven (7)

NUMBER OF DRUMS 51

*GROSS WEIGHT 17,817 POUNDS

TARE OF DRUMS 1,226 POUNDS

NET WET WEIGHT 16,591 POUNDS

*Includes 16 lbs. sample.

/s/ Axel G. Jarvis
Axel G. Jarvis, GSA Inspector

/s/ Blair Burwell
Minerals Engineering Company

CONTRACTOR: Minerals Engineering Company DATE: May 14, 1954
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: Seven (7)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type E Synthetic Scheelite) per weight certificate and assay report attached

WEIGHT			ANALYSIS	
Gross Weight	17,817 lbs.		(WO_3)	69.20 %
Tare Weight	1,226 lbs.		Sn	less than .10 %
Net Weight	16,591 lbs.		Cu	less than .01 %
Moisture None %	lbs.		As	.09 %
Net dry pounds	16,591	or 8.2955 S.D.T.	Sb	less than .10 %
			Bi	less than .10 %
			Mo	.85 %
			P	.03 %
			S	.23 %
			Mn	.04 %
			Pb	less than .01 %
			Zn	less than .01 %

Net dry pounds 16,591 containing 69.20 % WO_3
equals 11480.97 lbs. WO_3 or 574.0485 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES: N O N E

____	% WO_3 below 60%	20	cents	for	each	____	%	$ ____
____	% Sn above ____	25	"	"	"	____	%	$ ____
____	% Cu " ____	25	"	"	"	____	%	$ ____
____	% As " ____	25	"	"	"	____	%	$ ____
____	% Sb " ____	25	"	"	"	____	%	$ ____
____	% Bi " ____	25	"	"	"	____	%	$ ____
____	% Mo " ____	25	"	"	"	____	%	$ ____
____	% P " ____	25	"	"	"	____	%	$ ____
____	% S " ____	25	"	"	"	____	%	$ ____
____	% Mn " ____	25	"	"	"	____	%	$ ____
____	% Pb " ____	25	"	"	"	____	%	$ ____
____	% Zn " ____	25	"	"	"	____	%	$ ____

Total Penalties . . . . . $ ____
Net price per short ton unit $ ____

574.0485 S.T.U.'s X $63.00 =

Net amount due $ 36,165.06

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Salt Lake City, Utah

No. 30

Chief, Inspection Division
General Services Administration
Denver Federal Center
Report to Mr. Denver 14, Colorado

Chemical Laboratory Report

Date received May 7, 1954 Prog. 977 Date reported May 12, 1954

Serial No.	DESCRIPTION	Lot No.		%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca
	Minerals Engineering Co. Grand Junction, Colorado												
	Synthetic Scheelite Tungsten Concentrates, Sample 7	7			69.2	0.04	0.09	<0.1	<0.01	<0.01	<0.01	0.85	16.55
	Cer. No. 8-391 Net wet weight - 16,591 lbs.												
					S	Bi	P	Sn					
					0.23	<0.1	0.03	<0.1					
					2.9% weight - 35 mesh								
				This lot of tungsten concentrates meets chemical specifications. It does meet sizing specifications.									
					Moisture as received - None.								
	cc: Carl Schack												

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 10 1955

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: May 27, 1954

Certificate of Authorization Number: 8-391

TO Minerals Engineering Company
P.O. Box 957
Grand Junction, Colorado

Lot No. 8

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 21,716 pounds (wet basis) of Tungsten Concentrates (Type Natural D Scheelite) containing 694.912 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	64.0	Molybdenum (Mo)	* 3.20
Tin (Sn)	less than .10	Phosphorous (P)	less than .01
Copper (Cu)	* .10	Sulphur (S)	.19
Arsenic (As)	less than .01	Manganese (Mn)	.18
Antimony (Sb)	less than .10	Lead (Pb)	.09
Bismuth (Bi)	less than .10	Zinc (Zn)	.01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
* .05% Copper above .05 at 25 cents for each .01%	1.25
* .45% Molybdenum above 2.75 at 25 cents for each .10%	1.125
Total Penalties	$ 2.375
Adjusted Base Price — Per S. T. U.	60.625

Gross Wt. 23,200 Pounds Tare Wt. 1,484 Pounds Net Wt. 21,716 Pounds

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
21,716	−	None	=	21,716	×	64.0	=	13,898.24	or	694.912	×	60.625	=	$42,129.04

ACCEPTANCE

Received and Accepted by General Services Administration at

By (Type name)	Signature	Title
N. Harold Mundell	/s/	Acting Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	$42,129.04

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	May 28, 1954
By (Signature)	Title
/s/ R. G. Sullivan	Vice President

GPO 832720 GSA-R8-263(4-53)

Includes $3,216.78 purchased ore

CONTRACTOR: Minerals Engineering Company DATE: May 27, 1954
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: Eight (8)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type D Natural Scheelite) per weight certificate and assay report attached

WEIGHT			ANALYSIS		
Gross Weight	23,200	lbs.	(WO_3)		64.0 %
Tare Weight	1,484	lbs.	Sn	less than	.10 %
Net Weight	21,716	lbs.	Cu	*	.10 %
Moisture None %		lbs.	As	less than	.01 %
Net dry pounds	21,716	or 10.858 S.D.T.	Sb	less than	.10 %
			Bi	less than	.10 %
			Mo	*	3.20 %
			P	less than	.01 %
			S		.19 %
			Mn		.18 %
			Pb		.09 %
			Zn		.01 %

Net dry pounds 21,716 containing 64.0 % WO_3
equals 13,898.24 lbs. WO_3 or 694.912 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

	% WO_3 below 60%		20 cents for each					
	% Sn above		25 " " "					
* .05	% Cu "	.05	25 " " "	.01	%	$	1.25	
	% As "		25 " " "					
	% Sb "		25 " " "					
	% Bi "		25 " " "					
* .45	% Mo "	2.75	25 " " "	.10	%	$	1.125	
	% P "		25 " " "					
	% S "		25 " " "					
	% Mn "		25 " " "					
	% Pb "		25 " " "					
	% Zn "		25 " " "					

Total Penalties $2.375
Net price per short ton unit $60.625

694.912 S.T.U.'s X $60.625 =
Net amount due $42,129.04

Distribution: (4) Orig. - Reg. Compt.
1 - Participant
1 - Inspection, Wash.
1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 31

Chief, Inspection Division
General Services Administration
Denver Federal Center
Report to Mr. Denver 14, Colorado

Chemical Laboratory Report

Date received May 11, 1954

Prog. 977

Date reported May 17, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	S
	Minerals Engineering Co. Grand Junction, Colorado												
432	Natural Scheelite Tungsten Concentrates, Sample 8	8		64.0	0.18	<0.01	<0.1	0.10	0.09	0.01	3.20	15.7	0.19
	Cert. 8-391 21,716 lbs. net wet weight												
				Bi	P	Sn							
				<0.1	<0.01	<0.1							
				This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess copper and molybdenum.									
				Moisture as received - None.									
	cc: Carl Schack												

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 10 1953

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: May 27, 1954

Certificate of Authorization Number 8-391

TO Minerals Engineering Company
P.O. Box 957
Grand Junction, Colorado

Lot No. 9

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 20,490 pounds (wet basis) of Tungsten Concentrates (Type Synthetic E Scheelite) containing 719.199 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	70.2	Molybdenum (Mo)	1.28
Tin (Sn)	less than .10	Phosphorous (P)	.03
Copper (Cu)	less than .01	Sulphur (S)	.18
Arsenic (As)	.02	Manganese (Mn)	.02
Antimony (Sb)	less than .10	Lead (Pb)	.01
Bismuth (Bi)	less than .10	Zinc (Zn)	less than .01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties: NONE	
Total Penalties	
Adjusted Base Price — Per S. T. U.	

Gross Wt. 22,016 Pounds Tare Wt. 1,526 Pounds Net Wt. 20,490 Pounds

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T U. WO3		Adjusted Base Price		Payment
20,490	–	None	=	20,490	×	70.2	=	14,383.98	or	719.199	×	$63.00	=	$45,309.54

ACCEPTANCE

Received and Accepted by General Services Administration at

By (Type name)	Signature	Title
N. Harold Mundell	/s/	Acting Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	$45,309.54

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	May 28, 1954
By (Signature)	Title
/s/ R. G. Sullivan	Vice President

GPO 832720

GSA-R8-263 (4-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 33

Report to Mr. Chief, Inspection Division
General Services Administration
Denver Federal Center
Denver 14, Colorado

Chemical Laboratory Report

Date received May 19, 1954 Prog. 977 Date reported May 24, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	Zn	Mo	Ca	Cu	Pb	Bi	Sb	As
	Minerals Engineering Co. Grand Junction, Colorado												
2[illegible]5	Synthetic Tungsten Concentrates Sample 9	9		70.2	0.02	<0.01	1.28	16.55	<0.01	0.01	<0.1	<0.1	0.02
	Cert No. 8-391 20,490 lbs. net wet weight												
				S	P	Sn							
				0.18	0.03	<0.1							
							6.0% weight minus 35 mesh						
				This lot of tungsten concentrates meets chemical specifications and it also meets sizing specifications.									
				Moisture as received - None.									
cc:	Carl Schack												

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed

CONTRACTOR: Minerals [redacted]ineering Company DATE: May 27, [redacted]54
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: Nine (9)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type E Synthetic Scheelite) per weight certificate and assay report attached

WEIGHT			ANALYSIS		
Gross Weight	22,016	lbs.	(WO_3)	70.2	%
Tare Weight	1,526	lbs.	Sn	less than .10	%
Net Weight	20,490	lbs.	Cu	less than .01	%
Moisture None %		lbs.	As	.02	%
Net dry pounds	20,490	or 10.245 S.D.T.	Sb	less than .10	%
			Bi	less than .10	%
			Mo	1.28	%
			P	.03	%
			S	.18	%
			Mn	.02	%
			Pb	.01	%
			Zn	less than .01	%

Net dry pounds 20,490 containing 70.2 % WO_3
equals 14,383.98 lbs. WO_3 or 719.199 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES: N O N E

____	% WO_3 below 60%	20	cents	for	each	____ %	$ ____
____	% Sn above ____	25	"	"	"	____ %	$ ____
____	% Cu " ____	25	"	"	"	____ %	$ ____
____	% As " ____	25	"	"	"	____ %	$ ____
____	% Sb " ____	25	"	"	"	____ %	$ ____
____	% Bi " ____	25	"	"	"	____ %	$ ____
____	% Mo " ____	25	"	"	"	____ %	$ ____
____	% P " ____	25	"	"	"	____ %	$ ____
____	% S " ____	25	"	"	"	____ %	$ ____
____	% Mn " ____	25	"	"	"	____ %	$ ____
____	% Pb " ____	25	"	"	"	____ %	$ ____
____	% Zn " ____	25	"	"	"	____ %	$ ____

Total Penalties . . . . . $ ____
Net price per short ton unit $ ____

719.199 S.T.U.'s X $63.00 =
Net amount due $45,309.54

Distribution: (4) Orig. - Reg. Compt.
1 - Participant
1 - Inspection, Wash.
1 - E.P.A.

GSA-RS-267
(5-53)

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: June 3, 1954

Certificate of Authorization Number 8-391

TO
Minerals Engineering Company
P.O. Box 957
Grand Junction, Colorado

Lot No. 10

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 21,711 pounds (wet basis) of Tungsten Concentrates (Type D Natural Scheelite) containing 703.4364 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	64.8	Molybdenum (Mo)	* 3.19
Tin (Sn)	less than .10	Phosphorous (P)	less than .01
Copper (Cu)	.04	Sulphur (S)	.15
Arsenic (As)	.01	Manganese (Mn)	.18
Antimony (Sb)	less than .10	Lead (Pb)	.09
Bismuth (Bi)	less than .10	Zinc (Zn)	.01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	
* .44% Molybdenum above 2.75% at 25 cents for each .10%	1.10
Total Penalties	$ 1.10
Adjusted Base Price — Per S. T. U.	61.90

Gross Wt. 23,197 Pounds Tare Wt. 1,486 Pounds Net Wt. 21,711 Pounds

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
21,711	−	None	=	21,711	×	64.8	=	14,068.728	or	703.4364	×	$61.90	=	$43,542.71

ACCEPTANCE

Received and Accepted by General Services Administration at

By (Type name)	Signature	Title
N. Harold Mundell	/s/	Acting Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	$43,542.71

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	June 5, 1954
By (Signature)	Title
/s/ R. G. Sullivan	Vice-President

GPO 832720 GSA-R8-263(4-53)

Includes $2,016.17 purchased ore

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES

Salt Lake City, Utah

No. 34

Report to Chief, Inspection Division
General Services Administration
Denver Federal Center
Denver 14, Colorado

Chemical Laboratory Report

Date received May 20, 1954 Prog. 977 Date reported May 26, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	S
	Minerals Engineering Co. Grand Junction, Colorado												
49	Natural Scheelite Tungsten Concentrates Sample 10 Cert. 8-391 21,711 lbs. net wet weight	10		64.8	0.18	0.01	<0.1	0.04	0.09	0.01	3.19	15.7	0.15
				Bi	P	Sn							
				<0.1	<0.01	<0.1							

This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess molybdenum.

Moisture as received - None.

10855 = 703.404 units
@ 61.90 = $43,504.71

cc: Carl Schack

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed

CONTRACTOR: Minerals Engineering Co. DATE: June 3, 1954
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: Ten (10)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type D Natural Scheelite) per weight certificate and assay report attached

WEIGHT			ANALYSIS		
Gross Weight	23,197	lbs.	(WO_3)	64.8	%
Tare Weight	1,486	lbs.	Sn	less than .10	%
Net Weight	21,711	lbs.	Cu	.04	%
Moisture None %		lbs.	As	.01	%
Net dry pounds	21,711	or 10.855 S.D.T.	Sb	less than .10	%
			Bi	less than .10	%
			Mo	* 3.19	%
			P	less than .01	%
			S	.15	%
			Mn	.18	%
			Pb	.09	%
			Zn	.01	%

Net dry pounds 21,711 containing 64.8 % WO_3
equals 14,068.728 lbs. WO_3 or 703.4364 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

	% WO_3	below 60%		20	cents	for	each	%	$
	% Sn	above		25	"	"	"	%	$
	% Cu	"		25	"	"	"	%	$
	% As	"		25	"	"	"	%	$
	% Sb	"		25	"	"	"	%	$
	% Bi	"		25	"	"	"	%	$
* .44	% Mo	"	2.75	25	"	"	"	.10 %	$ 1.10
	% P	"		25	"	"	"	%	$
	% S	"		25	"	"	"	%	$
	% Mn	"		25	"	"	"	%	$
	% Pb	"		25	"	"	"	%	$
	% Zn	"		25	"	"	"	%	$

Total Penalties . . . . . $ 1.10
Net price per short ton unit $ 61.90

703.4364 S.T.U.'s X $61.90 =
Net amount due $43,542.71

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: June 3, 1954

Certificate of Authorization Number: 8-391

Lot No. 11

TO
Minerals Engineering Company
P.O. Box 957
Grand Junction, Colorado

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 12,260 pounds (wet basis) of Tungsten Concentrates (Type D Natural Scheelite) containing 365.668 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of 0.08 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	* 59.7	Molybdenum (Mo)	* 3.24
Tin (Sn)	less than .10	Phosphorous (P)	less than .01
Copper (Cu)	* .07	Sulphur (S)	.16
Arsenic (As)	less than .01	Manganese (Mn)	.24
Antimony (Sb)	less than .10	Lead (Pb)	.07
Bismuth (Bi)	less than .10	Zinc (Zn)	.01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
* .30% WO_3 below 60% at 20 cents for each 1.00%	.06
* .02% Copper above .05% at 25 cents for each .01%	.50
* .49% Molybdenum above 2.75% at 25 cents for each .10%	1.225
Total Penalties	$ 1.785
Adjusted Base Price — Per S. T. U.	61.215

Gross Wt. 13,101 Pounds Tare Wt. 841 Pounds Net Wt. 12,260 Pounds

Net Wet Lbs.		Moisture Content POUNDS		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
12,260	−	9.81	=	12250.19	×	59.7	=	7,313.3634	or	365.668	×	61.215	=	$22,384.37

ACCEPTANCE

Received and Accepted by General Services Administration at

By (Type name)	Signature	Title
N. Harold Mundell	/s/	Acting Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	$22,384.37

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	June 5, 1954
By (Signature)	Title
/s/ R. G. Sullivan	Vice-President

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 36

Report to Mr. Chief, Inspection Division
General Services Administration
Denver Federal Center
~~Denver 14, Colorado~~

Chemical Laboratory Report

Date received May 25, 1954

Prog. 977

Date reported May 28, 1954

Serial No.	DESCRIPTION	Lot No.	% WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	S
	Minerals Engineering Co. Grand Junction, Colorado						50¢			1.23		
2[illegible]71	Natural Scheelite Tungsten Concentrates Sample 11 12,260 lbs. Cert. 8-391	11	59.7	0.24	<0.01	<0.1	0.07	0.07	0.01	3.24	15.9	0.16
			Bi	P	Sn							
			<0.1	<0.01	<0.1							

Settled

This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess copper and molybdenum.

Moisture 0.08%

Penalties 1.73

12,260 less 0.0890 = 12,250 = 6,125 x 59.7 = 365.662 x 61.27 = 22,404.11

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

cc Carl Schack

Signed

CONTRACTOR: Minerals Engineering Company DATE: June 3, 1954
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: Eleven (11)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type D Natural Scheelite) per weight certificate and assay report attached

WEIGHT

Gross Weight	13,101	lbs.	
Tare Weight	841	lbs.	
Net Weight	12,260	lbs.	
Moisture 0.08 %	9.81	lbs.	
Net dry pounds	12250.19	or 6.125	S.D.T.

ANALYSIS

(WO_3)	* 59.7	%
Sn	less than .10	%
Cu	* .07	%
As	less than .01	%
Sb	less than .10	%
Bi	less than .10	%
Mo	* 3.24	%
P	less than .01	%
S	.16	%
Mn	.24	%
Pb	.07	%
Zn	.01	%

Net dry pounds 12250.19 containing 59.7 % WO_3
equals 7,313.3634 lbs. WO_3 or 365.668 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

* .30	% WO_3	below	60%	20	cents	for	each	1.00	%	$ .06
	% Sn	above		25	"	"	"		%	$
* .02	% Cu	"	.05	25	"	"	"	.01	%	$ .50
	% As	"		25	"	"	"		%	$
	% Sb	"		25	"	"	"		%	$
	% Bi	"		25	"	"	"		%	$
* .49	% Mo	"	2.75	25	"	"	"	.10	%	$ 1.225
	% P	"		25	"	"	"		%	$
	% S	"		25	"	"	"		%	$
	% Mn	"		25	"	"	"		%	$
	% Pb	"		25	"	"	"		%	$
	% Zn	"		25	"	"	"		%	$

Total Penalties $1.785
Net price per short ton unit $61.215

365.668 S.T.U.'s X $61.215 =
Net amount due $22,384.37

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 1 0 1955

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: June 18, 1954

Certificate of Authorization Number: 8-391

TO Minerals Engineering Company
P.O. Box 957
Grand Junction, Colorado

Lot No. 12

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 19,264 pounds (wet basis) of Tungsten Concentrates (Type D Natural Scheelite) containing 597.6088 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of .09 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	62.10	Molybdenum (Mo)	* 2.84
Tin (Sn)	less than .10	Phosphorous (P)	less than .01
Copper (Cu)	* .10	Sulphur (S)	.21
Arsenic (As)	less than .01	Manganese (Mn)	.20
Antimony (Sb)	less than .10	Lead (Pb)	* .11
Bismuth (Bi)	less than .10	Zinc (Zn)	.02

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
* .05% copper above .05% at 25 cents for each .01%	$ 1.25
* .09% Molybdenum above 2.75% at 25 cents for each .10%	.225
* .01% Lead above .10% at 25 cents for each .10%	.025
Total Penalties	$ 1.50
Adjusted Base Price — Per S. T. U.	$ 61.50

Gross Wt. 20,588 Pounds Tare Wt. 1,324 Pounds Net Wt. 19,264 Pounds

Net Wet Lbs.		Moisture Content POUNDS		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
19,264	−	17.34	=	19,246.66	×	62.1	=	11,952.1758	or	597.6088	×	$61.50	=	$36,752.94

ACCEPTANCE

Received and Accepted by General Services Administration at

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	$36,752.94

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
By (Signature)	Title

GPO 832720 GSA-R8-263(4-53)

Includes 2834.54 purchased ore

CONTRACTOR: Minerals Engineering Company DATE: June [illegible], 1954
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: Twelve (12)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type D Natural Scheelite) per weight certificate and assay report attached

WEIGHT				ANALYSIS	
Gross Weight	20,588	lbs.		(WO_3)	62.1 %
Tare Weight	1,324	lbs.		Sn	less than .10 %
Net Weight	19,264	lbs.		Cu	* .10 %
Moisture .09 %	17.34	lbs.		As	less than .01 %
Net dry pounds	19,246.66	or 9.62	S.D.T.	Sb	less than .10 %
				Bi	less than .10 %
				Mo	* 2.84 %
				P	less than .01 %
				S	.21 %
				Mn	.20 %
				Pb	* .11 %
				Zn	.02 %

Net dry pounds 19,246.66 containing 62.1 % WO_3
equals 11,952.1758 lbs. WO_3 or 597.6088 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

	% WO_3	below	60%	20	cents	for	each	%	$
	% Sn	above		25	"	"	"	%	$
* .05	% Cu	"	.05	25	"	"	"	.01 %	$ 1.25
	% As	"		25	"	"	"	%	$
	% Sb	"		25	"	"	"	%	$
	% Bi	"		25	"	"	"	%	$
* .09	% Mo	"	2.75	25	"	"	"	.10 %	$ .225
	% P	"		25	"	"	"	%	$
	% S	"		25	"	"	"	%	$
	% Mn	"		25	"	"	"	%	$
* .01	% Pb	"	.10	25	"	"	"	.10 %	$ .025
	% Zn	"		25	"	"	"	%	$

Total Penalties . . . . . $ 1.50
Net price per short ton unit $ 61.50

597.6088 S.T.U.'s X $61.50 =
Net amount due $ 36,752.94

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 40

Chief, Inspection Division
General Services Administration
Denver Federal Center
Report to ~~MX~~ Denver 14, Colorado

Chemical Laboratory Report

977

Date received June 7, 1954

Date reported June 14, 1954

Serial No.	DESCRIPTION	Lot No.	% WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	P
	Minerals Engineering Co. Grand Junction, Colorado											
2[illegible]51	Natural Scheelite Tungsten Concentrates sample 12 19,264 lbs. net wet weight Cert. 8-391	12	62.1	0.2	<0.01	<0.1	0.10	0.11	0.02	2.84	16.0	<0.01

Bi	S	Sn
<0.1	0.21	<0.1

Moisture 0.09% water

This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess copper, lead, and molybdenum.

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

cc: Carl Schack

Signed

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: June 18, 1954

Certificate of Authorization Number: 8-391

TO Minerals Engineering Company
P.O. Box 957
Grand Junction, Colorado

Lot No. 13

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 18,542 pounds (wet basis) of Tungsten Concentrates (Type Synthetic E Scheelite) containing 553.3127 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. Truck. Such material has a moisture content of .03 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	* 59.70	Molybdenum (Mo)	1.57
Tin (Sn)	less than .10	Phosphorous (P)	less than .01
Copper (Cu)	less than .01	Sulphur (S)	* 2.49
Arsenic (As)	.07	Manganese (Mn)	.07
Antimony (Sb)	less than .10	Lead (Pb)	.05
Bismuth (Bi)	less than .10	Zinc (Zn)	less than .01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
* .30% WO_3 below 60% at 20 cents for each 1.00%	$ .06
*1.99% Sulphur above .50% at 25 cents for each .10%	4.975
Total Penalties	$ 5.035
Adjusted Base Price — Per S. T. U.	$57.965

Gross Wt. 19,920 Pounds Tare Wt. 1,378 Pounds Net Wt. 18,542 Pounds

Net Wet Lbs.		Moisture Content POUNDS		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T U. WO3		Adjusted Base Price		Payment
18,542	−	5.56	=	18,536.44	×	59.70	=	11,066.255	or	553.3127	×	57.965	=	$32,072.77

ACCEPTANCE

Received and Accepted by General Services Administration at

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	$32,072.77

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
By (Signature)	Title

CONTRACTOR: Minerals Engineering Company DATE: June 18, 1954
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: Thirteen (13)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type E Synthetic Scheelite) per weight certificate and assay report attached

WEIGHT				ANALYSIS	
Gross Weight	19,920	lbs.		(WO_3)	* 59.70 %
Tare Weight	1,378	lbs.		Sn	less than .10 %
Net Weight	18,542	lbs.		Cu	less than .01 %
Moisture .03 %	5.56	lbs.		As	.07 %
Net dry pounds	18,536.44	or 9.27	S.D.T.	Sb	less than .10 %
				Bi	less than .10 %
				Mo	1.57 %
				P	less than .01 %
				S	* 2.49 %
				Mn	.07 %
				Pb	.05 %
				Zn	less than .01 %

Net dry pounds 18,536.44 containing 59.70 % WO_3
equals 11,066.255 lbs. WO_3 or 553.3127 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

* .30	% WO_3 below	60%	20	cents for each	1.00	%	$	.06
	% Sn above		25	" " "		%	$	
	% Cu "		25	" " "		%	$	
	% As "		25	" " "		%	$	
	% Sb "		25	" " "		%	$	
	% Bi "		25	" " "		%	$	
	% Mo "		25	" " "		%	$	
	% P "		25	" " "		%	$	
*1.99	% S "	.50	25	" " "	.10	%	$	4.975
	% Mn "		25	" " "		%	$	
	% Pb "		25	" " "		%	$	
	% Zn "		25	" " "		%	$	

Total Penalties . . . . . $ 5.035
Net price per short ton unit $ 57.965

553.3127 S.T.U.'s X $57.965 =

Net amount due $ 32,072.77

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 41

Chief, Inspection Division
General Services Administration
Denver Federal Center
Report to ~~MEX~~ Denver 14, Colorado

Chemical Laboratory Report

977

Date received June 7, 1954

Date reported June 14, 1954

Serial No.	DESCRIPTION	Lot No.	% WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	S
	Minerals Engineering Company Grand Junction, Colorado											
2[illegible]52	Synthetic Scheelite Tungsten Concentrates Sample 13	13	59.7	0.07	0.07	<0.1	<0.01	0.05	<0.01	1.57	18.7	2.49
	18,542 lbs. net wet weight Cert. No. 8-391											
			Bi	P	Sn							
			<0.1	<0.01	<0.1							
			Moisture as received 0.03% water									
			3.6% minus 35 mesh.									
			This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess sulphur.									

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

cc: Carl Schack

Signed

DEPARTMENT OF THE INTERIOR
Federal Minerals Administration
RECEIVED
JUN 10 1983

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: June 18, 1954

Certificate of Authorization Number: 8-391

TO Minerals Engineering Company
P.O. Box 957
Grand Junction, Colorado

Lot No. 14

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 21,463 pounds (wet basis) of Tungsten Concentrates (Type Synthetic E Scheelite) containing 670.515 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None Such material has a moisture content of .19 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	62.60	Molybdenum (Mo)	1.64
Tin (Sn)	less than .10	Phosphorous (P)	.02
Copper (Cu)	less than .01	Sulphur (S)	* 1.44
Arsenic (As)	.06	Manganese (Mn)	less than .02
Antimony (Sb)	less than .10	Lead (Pb)	.04
Bismuth (Bi)	less than .10	Zinc (Zn)	.01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties: * .94% Sulphur above .50% at 25 cents for each .10%	$ 2.35
Total Penalties	$ 2.35
Adjusted Base Price — Per S. T. U.	60.65

Gross Wt. 23,061 Pounds Tare Wt. 1,598 Pounds Net Wt. 21,463 Pounds

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T U. WO3		Adjusted Base Price		Payment
21,463	−	40.78	=	21,422.22	×	62.6	=	13,410.309	or	670.515	×	$60.65	=	$40,666.77

ACCEPTANCE

Received and Accepted by General Services Administration at

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	$40,666.77

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
By (Signature)	Title

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 42

Chief, Inspection Division
General Services Administration
Denver Federal Center
Report to MX Denver 14, Colorado

Chemical Laboratory Report

977

Date received June 9, 1954

Date reported June 16, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	S
	Minerals Engineering Co. Grand Junction, Colorado												
2[illegible]7	Synthetic Scheelite Tungsten Concentrates Sample 14	14		62.6	<0.02	0.06	<0.1	<0.01	0.04	0.01	1.64	19.0	1.44
	21,463 lbs. net wet weight Cert No. 8-391												
				Bi	P	Sn							
				<0.1	0.02	<0.1							
				Moisture 0.19% water									
				5.3% minus 35 mesh									
				This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess sulphur									

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

cc: Carl Schack

Signed

CONTRACTOR: Minerals Engineering Co. DATE: June 1[redacted] 1954
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: Fourteen (14)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type E Synthetic Scheelite) per weight certificate and assay report attached

WEIGHT				ANALYSIS		
Gross Weight	23,061	lbs.		(WO_3)	62.60	%
Tare Weight	1,598	lbs.		Sn	less than .10	%
Net Weight	21,463	lbs.		Cu	less than .01	%
Moisture .19 %	40.78	lbs.		As	.06	%
Net dry pounds	21,422.22	or 10.711 S.D.T.		Sb	less than .10	%
				Bi	less than .10	%
				Mo	1.64	%
				P	.02	%
				S	* 1.44	%
				Mn	less than .02	%
				Pb	.04	%
				Zn	.01	%

Net dry pounds 21,422.22 containing 62.6 % WO_3
equals 13,410.309 lbs. WO_3 or 670.515 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

	% WO_3 below 60%		20 cents for each				%	$
	% Sn above		25 " " "				%	$
	% Cu "		25 " " "				%	$
	% As "		25 " " "				%	$
	% Sb "		25 " " "				%	$
	% Bi "		25 " " "				%	$
	% Mo "		25 " " "				%	$
	% P "		25 " " "				%	$
*.94	% S "	.50	25 " " "			.10	%	$ 2.35
	% Mn "		25 " " "				%	$
	% Pb "		25 " " "				%	$
	% Zn "		25 " " "				%	$

Total Penalties . . . . . $ 2.35
Net price per short ton unit $ 60.65

670.515 S.T.U.'s X $60.65 =
Net amount due $ 40,666.77

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 10 1955

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: June 21, 1954

Certificate of Authorization Number: 8-391

TO The Minerals Engineering Company
P.O. Box 957
Grand Junction, Colorado

Lot No. 15

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 2,098 pounds (wet basis) of Tungsten Concentrates (Type C & D, Wolframite and Natural Scheelite) containing 68.773 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of .06 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	65.60	Molybdenum (Mo)	* 2.83
Tin (Sn)	less than .10	Phosphorous (P)	less than .01
Copper (Cu)	* .23	Sulphur (S)	.36
Arsenic (As)	less than .01	Manganese (Mn)	.78
Antimony (Sb)	less than .10	Lead (Pb)	.06
Bismuth (Bi)	less than .10	Zinc (Zn)	.03

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
* .18% Copper above .05% at 25 cents for each .01%	$ 4.50
*2.43% Molybdenum above .40% at 25 cents for each .10%	6.075
Total Penalties	$10.575
Adjusted Base Price — Per S. T. U.	$52.425

Gross Wt. 2,242 Pounds Tare Wt. 144 Pounds Net Wt. 2,098 Pounds

Net Wet Lbs.		Moisture Content POUNDS		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T U. WO3		Adjusted Base Price		Payment
2,098	−	1.26	=	2,096.74	×	65.60	=	1,375.4614	or	68.773	×	52.425	=	$3,605.42

ACCEPTANCE

Received and Accepted by General Services Administration at

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	$3,605.42

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	June 23, 1954
By (Signature)	Title
/s/ Frank R. Ellsbury	Assistant Treasurer

GPO 832720 GSA-R8-263 (4-53)

Includes 700.00 purchased ore

CONTRACTOR: Minerals Engineering Company DATE: June 21, 1954
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: Fifteen (15)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type C & D, Wolframite and Natural Scheelite) per weight certificate and assay report attached

WEIGHT				ANALYSIS	
Gross Weight	2,242	lbs.		(WO_3)	65.60 %
Tare Weight	144	lbs.		Sn	less than .10 %
Net Weight	2,098	lbs.		Cu	* .23 %
Moisture .06 %	1.26	lbs.		As	less than .01 %
Net dry pounds	2,096.74	or 1.048	S.D.T.	Sb	less than .10 %
				Bi	less than .10 %
				Mo	* 2.83 %
				P	less than .01 %
				S	.36 %
				Mn	.78 %
				Pb	.06 %
				Zn	.03 %

Net dry pounds 2,096.74 containing 65.60 % WO_3
equals 1,375.4614 lbs. WO_3 or 68.773 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

	% WO_3 below 60%		20 cents for each					
	% Sn above		25 " " "					
*.18	% Cu "	.05	25 " " "	.01	%	$	4.50
	% As "		25 " " "				
	% Sb "		25 " " "				
	% Bi "		25 " " "				
*2.43	% Mo "	.40	25 " " "	.10	%	$	6.075
	% P "		25 " " "				
	% S "		25 " " "				
	% Mn "		25 " " "				
	% Pb "		25 " " "				
	% Zn "		25 " " "				

Total Penalties . . . . . $ 10.575
Net price per short ton unit $ 52.425

68.773 S.T.U.'s X $52.425 =

Net amount due $ 3,605.42

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 43

Chief, Inspection Division
General Services Administration
Denver Federal Center
Report to Mr. Denver 14, Colorado

Chemical Laboratory Report

Date received June 9, 1954 977 Date reported June 18, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	S
	Minerals Engineering Co. Grand Junction, Colorado												
360	Wolframite and Natural Scheelite Mixture Tungsten concentrates Sample 15	15		65.6	0.78	<0.01	<0.1	0.23	0.06	0.03	2.83	12.9	0.36
	2,098 lbs. net wet weight Cert. No. 8-391												

Bi	P	Sn
<0.1	<0.01	<0.1

Moisture 0.06% water

This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess copper and molybdenum.

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

cc: Carl Schack

Signed

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: June 24, 1954

Certificate of Authorization Number: 8-391

TO
Minerals Engineering Company
P.O. Box 957
Grand Junction, Colorado

Lot No. 16

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 14,018 pounds (wet basis) of Tungsten Concentrates (Type D Natural Scheelite) containing 451.8548 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of .05 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	64.50	Molybdenum (Mo)	* 3.48
Tin (Sn)	less than .10	Phosphorous (P)	less than .01
Copper (Cu)	*.18	Sulphur (S)	.34
Arsenic (As)	less than .01	Manganese (Mn)	.17
Antimony (Sb)	less than .10	Lead (Pb)	.07
Bismuth (Bi)	less than .10	Zinc (Zn)	.03

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price. (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
* .13% Copper above .05% at 25 cents for each .01%	$ 3.25
* .73% Molybdenum above 2.75% at 25 cents for each .10%	1.825
Total Penalties	$ 5.075
Adjusted Base Price — Per S. T. U.	$57.925

Gross Wt. 14,984 Pounds Tare Wt. 966 Pounds Net Wt. 14,018 Pounds

Net Wet Lbs.		Moisture Content POUNDS		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T U. WO3		Adjusted Base Price		Payment
14,018	−	7	=	14,011	×	64.50	=	9,037.095	or	451.8548	×	57.925	=	$26,173.69

ACCEPTANCE

Received and Accepted by General Services Administration at

By (Type name)	Signature	Title
W. Harold Mundell	/s/	Acting Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	$26,173.69

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	June 28, 1954
By (Signature)	Title
/s/ Frank R. Ellsbury	Assistant Treasurer

GPO 832720 GSA-R8-263(4-53)

Includes 2,032.46 purchased ore

CONTRACTOR: Minerals Engineering Co. DATE: June 2[illegible], 1954
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: Sixteen (16)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type D Natural Scheelite) per weight certificate and assay report attached

WEIGHT				ANALYSIS	
Gross Weight	14,984 lbs.			(WO_3)	64.50 %
Tare Weight	966 lbs.			Sn	less than .10 %
Net Weight	14,018 lbs.			Cu	* .18 %
Moisture .05 %	7 lbs.			As	less than .01 %
Net dry pounds	14,011	or	7.0055 S.D.T.	Sb	less than .10 %
				Bi	less than .10 %
				Mo	* 3.48 %
				P	less than .01 %
				S	.34 %
				Mn	.17 %
				Pb	.07 %
				Zn	.03 %

Net dry pounds 14,011 containing 64.50 % WO_3
equals 9,037.095 lbs. WO_3 or 451.8548 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

	% WO_3	below	60%	20	cents	for	each	%	$
	% Sn	above		25	"	"	"	%	$
* .13	% Cu	"	.05	25	"	"	"	.01 %	$ 3.25
	% As	"		25	"	"	"	%	$
	% Sb	"		25	"	"	"	%	$
	% Bi	"		25	"	"	"	%	$
*.73	% Mo	"	2.75	25	"	"	"	.10 %	$ 1.825
	% P	"		25	"	"	"	%	$
	% S	"		25	"	"	"	%	$
	% Mn	"		25	"	"	"	%	$
	% Pb	"		25	"	"	"	%	$
	% Zn	"		25	"	"	"	%	$

Total Penalties . . . . . $ 5.075
Net price per short ton unit $ 57.925

451.8548 S.T.U.'s X $57.925 =
Net amount due $ 26,173.69

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 44

Report to Mr. Chief, Inspection Division
General Services Administration
Denver Federal Center
Denver 14, Colorado

Chemical Laboratory Report

977

Date received June 15, 1954

Date reported June 21, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	S
	Minerals Engineering Company Grand Junction, Colorado												
013	Natural Scheelite Tungsten Concentrates sample 16 14,018 lbs. net wet weight Cert. 8-391	16		64.5	0.17	<0.01	<0.1	0.18	0.07	0.03	3.48	15.4	0.34
				Bi	P	Sn							
				<0.1	<0.01	<0.1							
				Moisture 0.05% water									
				This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess copper and molybdenum.									

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

cc: Carl Schack

Signed

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: June 29, 1954

Certificate of Authorization Number: 8-391

TO
The Minerals Engineering Company
P.O. Box 957
Grand Junction, Colorado

Lot No. 17

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 18,612 pounds (wet basis) of Tungsten Concentrates (Type E Synthetic Scheelite) containing 551.735 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of .02 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	* 59.30	Molybdenum (Mo)	1.68
Tin (Sn)	less than .10	Phosphorous (P)	.03
Copper (Cu)	less than .01	Sulphur (S)	* 3.26
Arsenic (As)	less than .01	Manganese (Mn)	less than .02
Antimony (Sb)	less than .10	Lead (Pb)	.03
Bismuth (Bi)	less than .10	Zinc (Zn)	.01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
* .70% WO_3 below 60% at 20 cents for each 1.00%	$ .14
* 2.76% Sulphur above .50% at 25 cents for each .10%	6.90
Total Penalties	$ 7.04
Adjusted Base Price — Per S. T. U.	55.96

Gross Wt. 20,107 Pounds Tare Wt. 1,495 Pounds Net Wt. 18,612 Pounds

Net Wet Lbs.		Moisture Content POUNDS		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T U. WO3		Adjusted Base Price		Payment
18,612	−	3.72	=	18,608.28	×	59.3	=	11,034.71	or	551.735	×	$55.96	=	$30,875.09

ACCEPTANCE

Received and Accepted by General Services Administration at

By.(Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	$30,875.09

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	July 1, 1954
By (Signature)	Title
/s/ Frank R. Ellsbury	Assistant Treasurer

CONTRACTOR: Minerals Engineering Company DATE: June 29, 1954
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: Seventeen (17)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type E Synthetic Scheelite) per weight certificate and assay report attached

WEIGHT				ANALYSIS	
Gross Weight	20,107	lbs.		(WO_3)	* 59.30 %
Tare Weight	1,495	lbs.		Sn	less than .10 %
Net Weight	18,612	lbs.		Cu	less than .01 %
Moisture .02 %	3.72	lbs.		As	less than .01 %
Net dry pounds	18,608.28	or 9.3041	S.D.T.	Sb	less than .10 %
				Bi	less than .10 %
				Mo	1.68 %
				P	.03 %
				S	* 3.26 %
				Mn	less than .02 %
				Pb	.03 %
				Zn	.01 %

Net dry pounds 18,608.28 containing 59.30 % WO_3
equals 11,034.71 lbs. WO_3 or 551.735 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

* .70	% WO_3	below 60%	20	cents	for	each	1.00 %	$	.14
	% Sn	above	25	"	"	"	%	$	
	% Cu	"	25	"	"	"	%	$	
	% As	"	25	"	"	"	%	$	
	% Sb	"	25	"	"	"	%	$	
	% Bi	"	25	"	"	"	%	$	
	% Mo	"	25	"	"	"	%	$	
	% P	"	25	"	"	"	%	$	
*2.76	% S	" .50	25	"	"	"	.10 %	$	6.90
	% Mn	"	25	"	"	"	%	$	
	% Pb	"	25	"	"	"	%	$	
	% Zn	"	25	"	"	"	%	$	

Total Penalties . . . . . $ 7.04
Net price per short ton unit $ 55.96

551.735 S.T.U.'s X $55.96 =

Net amount due $ 30,875.09

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 46

Report to Mr. Chief, Inspection Division
General Services Administration
Denver Federal Center
Denver 14, Colorado

Chemical Laboratory Report

Date received June 21, 1954

Prog. 977

Date reported June 25, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	S
	Minerals Engineering Company Grand Junction, Colorado												
2[illegible]5	Synthetic Scheelite Tungsten Concentrates Sample 17 Cert. No. 8-391 18,612 lbs. net wet weight	17		59.3	<0.02	<0.01	<0.1	<0.01	0.03	0.01	1.68	19.1	3.26
				Bi	P	Sn							
				<0.1	0.03	<0.1							
			Moisture as received 0.02%										
			7.4% weight minus 35 mesh										
			This lot of tungsten concentrates meets chemical specifications, but will carry a penalty due to excess sulfur. It also meets sizing specifications.										
	cc: Carl Schack												

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: June 30, 1954

Certificate of Authorization Number: 8-391

TO The Minerals Engineering Company
P. O. Box 957
Grand Junction, Colorado

Lot No. 18

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 9,460 pounds (wet basis) of Tungsten Concentrates (Type Natural D Scheelite) containing 305.9087 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of .04 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	64.7	Molybdenum (Mo)	* 2.94
Tin (Sn)	less than .10	Phosphorous (P)	less than .01
Copper (Cu)	* .06	Sulphur (S)	.17
Arsenic (As)	less than .01	Manganese (Mn)	.12
Antimony (Sb)	less than .10	Lead (Pb)	.07
Bismuth (Bi)	less than .10	Zinc (Zn)	.02

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
* .01% Copper above .05% at 25 cents for each ~~XXXXX~~ .01%	$ .25
* .19% Molybdenum above 2.75% at 25 cents for each .10%	.475
Total Penalties	$ .725
Adjusted Base Price — Per S. T. U.	$ 62.275

Gross Wt. 10,113 Pounds Tare Wt. 653 Pounds Net Wt. 9,460 Pounds

Net Wet Lbs.		Moisture Content POUNDS		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T U. WO3		Adjusted Base Price		Payment
9,460	−	3.78	=	9,456.22	×	64.7	=	6,118.174	or	305.9087	×	62.275	=	$19,050.46

ACCEPTANCE

Received and Accepted by General Services Administration at

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	$19,050.46

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	July 2, 1954
By (Signature)	Title
/s/ Frank R. Ellsbury	Assistant Treasurer

CONTRACTOR: Minerals E[illegible]neering Co. DATE: June [illegible], 1954
CONTRACT NO: ADDRESS: Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: Eighteen (18)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type D Natural Scheelite) per weight certificate and assay report attached

WEIGHT

Gross Weight	10,113	lbs.	
Tare Weight	653	lbs.	
Net Weight	9,460	lbs.	
Moisture .04 %	3.78	lbs.	
Net dry pounds	9,456.22	or 4.728	S.D.T.

ANALYSIS

(WO_3)	64.7	%
Sn	less than .10	%
Cu	* .06	%
As	less than .01	%
Sb	less than .10	%
Bi	less than .10	%
Mo	* 2.94	%
P	less than .01	%
S	.17	%
Mn	.12	%
Pb	.07	%
Zn	.02	%

Net dry pounds 9,456.22 containing 64.7 % WO_3
equals 6,118.174 lbs. WO_3 or 305.9087 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

	% WO_3 below 60%		20	cents	for	each		$	
	% Sn above		25	"	"	"		$	
* .01	% Cu "	.05	25	"	"	"	.01 %	$	.25
	% As "		25	"	"	"		$	
	% Sb "		25	"	"	"		$	
	% Bi "		25	"	"	"		$	
* .19	% Mo "	2.75	25	"	"	"	.10 %	$	.475
	% P "		25	"	"	"		$	
	% S "		25	"	"	"		$	
	% Mn "		25	"	"	"		$	
	% Pb "		25	"	"	"		$	
	% Zn "		25	"	"	"		$	

Total Penalties . . . . . $ .725
Net price per short ton unit $ 62.275

305.9087 S.T.U.'s X $62.275 =
Net amount due $ 19,050.46

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

Chief, Inspection Division
General Services Administration
Denver Federal Center
Denver 14, Colorado

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Salt Lake City, Utah

No. 49

Report to Mr.

Chemical Laboratory Report

Date received June 23, 1954

Prog. 977

Date reported June 28, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	S
	Minerals Engineering Co. Grand Junction, Colorado												
29413	Natural Scheelite Tungsten Concentrates Lot 18	18		64.7	0.12	<0.01	<0.1	0.06	0.07	0.02	2.94	16.1	0.[illegible]
	Cert. No. 8-391 9,460 lbs. net wet weight												
				Bi	P	Sn							
				<0.1	<0.01	<0.1							
				Moisture 0.04%									
	This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess copper, and molybdenum.												
	cc: Carl Schack												

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: July 12, 1954

Certificate of Authorization Number: 8-391

TO
Minerals Engineering Company
P. O. Box 957
Grand Junction, Colorado

Lot No. 19

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 10,161 pounds (wet basis) of Tungsten Concentrates (Type D Natural Scheelite) containing 325.464 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of 0.06 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	64.10	Molybdenum (Mo)	* 3.55
Tin (Sn)	Less than .10	Phosphorous (P)	.02
Copper (Cu)	* .08	Sulphur (S)	.31
Arsenic (As)	* .15	Manganese (Mn)	.12
Antimony (Sb)	Less than .10	Lead (Pb)	.05
Bismuth (Bi)	Less than .10	Zinc (Zn)	.02

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
* .03% Copper above .05% at .25 for each .01%	.75
* .05% Arsenic above .10% at .25 for each .10%	.125
* .80% Molybdenum above 2.75% at .25 for each .10%	2.00
Total Penalties	2.875
Adjusted Base Price — Per S. T. U.	60.125

Gross Wt. 10,858 Lbs. Tare Wt. 697 lbs. Net Wt. 10,161 Lbs.

Net Wet Lbs.		Moisture Content lbs.		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T U. WO3		Adjusted Base Price		Payment
10,161	−	6.1	=	10,154.9	×	64.1	=	6509.29	or	325.464	×	60.125	=	19,568.52

ACCEPTANCE

Received and Accepted by General Services Administration at Salt Lake City, Utah

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	19,568.52

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	July 13, 1954
By (Signature)	Title
/s/ Frank R. Ellsbury	Assistant Treasurer

CONTRACTOR: Minerals Engineering Company DATE: July 1[illegible] 1954
CONTRACT NO: ADDRESS:
CERTIFICATE NO: 8-391 LOT NO: Nineteen (19)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type D. Nat. Scheelite) per weight certificate and assay report attached

WEIGHT			
Gross Weight	10,858	lbs.	
Tare Weight	697	lbs.	
Net Weight	10,161	lbs.	
Moisture .04 %	6.1	lbs.	
Net dry pounds	10,154.9	or	5.7745 S.D.T.

ANALYSIS		
(WO_3)	64.10	%
Sn	Less than .10	%
Cu	* .08	%
As	* .15	%
Sb	Less than .10	%
Bi	Less than .10	%
Mo	3.55	%
P	.02	%
S	.31	%
Mn	.12	%
Pb	.05	%
Zn	.02	%

Net dry pounds 10,154.9 containing 64.1 % WO_3
equals 6,509.29 lbs. WO_3 or 325.464 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

	% WO_3 below 60%		20 cents for each				%	$	
	% Sn above		25 " " "				%	$	
.03	% Cu "	.05	25 " " "			.01	%	$	.75
.05	% As "	.10	25 " " "			.10	%	$	.125
	% Sb "		25 " " "				%	$	
	% Bi "		25 " " "				%	$	
1.80	% Mo "	2.75	25 " " "			.20	%	$	2.00
	% P "		25 " " "				%	$	
	% S "		25 " " "				%	$	
	% Mn "		25 " " "				%	$	
	% Pb "		25 " " "				%	$	
	% Zn "		25 " " "				%	$	

Total Penalties . . . . . $ 2.875
Net price per short ton unit $ 60.125

325.464 S.T.U.'s X 60.125 =

Net amount due $ 19,568.52

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES

Salt Lake City, Utah

No. 50

Chief, Inspection Division
General Services Administration
Denver Federal Center
Report to Mr. Denver 14, Colorado

Chemical Laboratory Report

977

Date received June 29, 1954

Date reported July 8, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	S
	Minerals Engineering Co. Grand Junction, Colorado												
2[illegible]3	Natural Scheelite Tungsten Concentrates Lot 19	19		64.1	0.12	0.15	<0.1	0.08	0.05	0.02	3.55	15.3	0.31
	Cert. 8-391 10,161 lbs. net wet weight												
				Bi	P	Sn							
				<0.1	0.02	<0.1							

Moisture 0.06% water

This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess Arsenic, Copper and molybdenum.

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: July 16, 1954

Certificate of Authorization Number: 8-391

TO Minerals Engineering Company
P. O. Box 957
Grand Junction, Colorado

Lot No. 20

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 17,891 pounds (wet basis) of Tungsten Concentrates (Type E, Synthetic Scheelite) containing 581.4575 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	65.00	Molybdenum (Mo)	1.75
Tin (Sn)	Less than .10	Phosphorous (P)	Less than .01
Copper (Cu)	Less than .01	Sulphur (S)	* 1.07
Arsenic (As)	.06	Manganese (Mn)	.05
Antimony (Sb)	Less than .10	Lead (Pb)	.03
Bismuth (Bi)	Less than .10	Zinc (Zn)	Less than .01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties: * .57% Sulphur above .50% at .25 for each .10%	1.425
Total Penalties	1.425
Adjusted Base Price — Per S. T. U.	61.575

Gross Wt. 19228 Tare Wt. 1,337 Net Wt. 17,891

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T U. WO3		Adjusted Base Price		Payment
17,891	−	None	=	17,891	×	65.0	=	11,629.15	or	581.4575	×	61.575	=	$35,803.25

ACCEPTANCE

Received and Accepted by General Services Administration at Salt Lake City, Utah

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	35,803.25

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	July 19, 1954
By (Signature) /s/ Frank R. Ellsbury	Title: Assistant Treasurer

CONTRACTOR: Minerals Engineering Co. DATE:
CONTRACT NO: ADDRESS: P. O. Box 957, Grand Junction, Colo.
CERTIFICATE NO: 8-391 LOT NO: Twenty (20)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type E Synth. Scheelite) per weight certificate and assay report attached

WEIGHT			
Gross Weight	19,228	lbs.	
Tare Weight	1,337	lbs.	
Net Weight	17,891	lbs.	
Moisture None %	-	lbs.	
Net dry pounds	17,891	or 8.9455	S.D.T.

ANALYSIS		
(WO_3)	65.0	%
Sn	Less than .10	%
Cu	Less than .01	%
As	.06	%
Sb	Less than .10	%
Bi	Less than .10	%
Mo	1.75	%
P	Less than .01	%
S	* 1.07	%
Mn	.05	%
Pb	.03	%
Zn	Less than .01	%

Net dry pounds 17,891 containing 65.0 % WO_3
equals 11,629.15 lbs. WO_3 or 581.4575 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

	% WO_3 below 60%		20 cents for each				%	$
	% Sn above		25 "	"	"		%	$
	% Cu "		25 "	"	"		%	$
	% As "		25 "	"	"		%	$
	% Sb "		25 "	"	"		%	$
	% Bi "		25 "	"	"		%	$
	% Mo "		25 "	"	"		%	$
	% P "		25 "	"	"		%	$
* .57	% S "	.50	25 "	"	"	.10	%	$ 1.425
	% Mn "		25 "	"	"		%	$
	% Pb "		25 "	"	"		%	$
	% Zn "		25 "	"	"		%	$

Total Penalties . . . . . $ 1.425
Net price per short ton unit $ 61.575

581.4575 S.T.U.'s X 61.575 =
Net amount due $ 35,803.25

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: July 19, 1954

Certificate of Authorization Number: 8-391

TO Minerals Engineering Company
P. O. Box 957
Grand Junction, Colorado

Lot No. 21

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 9,810 pounds (wet basis) of Tungsten Concentrates (Type D, Natural Scheelite) containing 335.9925 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None. Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	68.50	Molybdenum (Mo)	* 3.55
Tin (Sn)	Less than .10	Phosphorous (P)	Less than .01
Copper (Cu)	.02	Sulphur (S)	.16
Arsenic (As)	Less than .01	Manganese (Mn)	.12
Antimony (Sb)	Less than .10	Lead (Pb)	.05
Bismuth (Bi)	Less than .10	Zinc (Zn)	.01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties: *.80% molybdenum above 2.75% at .25 for each .10%	2.00
Total Penalties	2.00
Adjusted Base Price — Per S. T. U.	61.00

Gross Wt. 10,481 Tare Wt. 671 Net Wt. 9,810

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
9,810	−	None	=	9,810	×	68.5	=	6719.85	or	335.9925	×	61.00	=	20,495.54

ACCEPTANCE

Received and Accepted by General Services Administration at Salt Lake City, Utah

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	20,495.54

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	July 21, 1954
By (Signature)	Title
/s/ Frank R. Ellsbury	Assistant Treasurer

CONTRACTOR: Minerals Engineering Co. DATE: July 1954
CONTRACT NO: ADDRESS: P. O. Box 957, Grand Junction, Colo.
CERTIFICATE NO: 8-391 LOT NO: Twenty-one (21)
LOCATION OF MATERIAL: Salt LakeCity, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type D, Scheelite Natural) per weight certificate and assay report attached

WEIGHT				ANALYSIS		
Gross Weight	10,481	lbs.		(WO_3)	68.50	%
Tare Weight	671	lbs.		Sn	Less than .10	%
Net Weight	9,810	lbs.		Cu	.02	%
Moisture %	None	lbs.		As	Less than .01	%
Net dry pounds	9,810	or 4.905	S.D.T.	Sb	Less than .10	%
				Bi	Less than .10	%
				Mo	* 3.55	%
				P	Less than .01	%
				S	.16	%
				Mn	.12	%
				Pb	.05	%
				Zn	.01	%

Net dry pounds 9,810 containing 68.5 % WO_3
equals 6719.85 lbs. WO_3 or 335.9925 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

	% WO_3	below 60%		20	cents	for each		%	$
	% Sn	above		25	"	" "		%	$
	% Cu	"		25	"	" "		%	$
	% As	"		25	"	" "		%	$
	% Sb	"		25	"	" "		%	$
	% Bi	"		25	"	" "		%	$
.80	% Mo	"	2.75	25	"	" "	.10	%	$ 2.00
	% P	"		25	"	" "		%	$
	% S	"		25	"	" "		%	$
	% Mn	"		25	"	" "		%	$
	% Pb	"		25	"	" "		%	$
	% Zn	"		25	"	" "		%	$

Total Penalties . . . . . $ 2.00
Net price per short ton unit $ 61.00

335.9925 S.T.U.'s X 61.00 =
Net amount due $ 20,495.54

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 53

Report to ~~Mr.~~ Chief, Inspection Div.
General Service Administration
Denver Federal Center
Denver 14, Colorado

Chemical Laboratory Report
Prog. 977

Date received July 8, 1954

Date reported July 15, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	S
	Minerals Engineering Co. Grand Junction, Colorado												
10	Natural Scheelite Tungsten Concentrates, Sample 21	21		68.5	0.12	<0.01	<0.1	0.02	0.05	0.01	3.55	15.3	0.16
	Cert. No. 8-391 Net wet weight 9,810 lbs.												
				Bi	P	Sn							
				<0.1	<0.01	<0.1							
				Moisture as received - None									
				This lot of tungsten concentrates meets chemical									
			Specifications but will carry a penalty due to excess molybdenum.										
	cc: Carl Schack												

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed /s/ W. L. ANDERSON

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: July 19, 1954

Certificate of Authorization Number: 8-391

Lot No. 22

TO Minerals Engineering Company
P. O. Box 957
Grand Junction, Colorado

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 19,839 pounds (wet basis) of Tungsten Concentrates (Type E, Synthetic Scheelite containing 686.4294 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	69.2	Molybdenum (Mo)	1.75
Tin (Sn)	Less than .10	Phosphorous (P)	.02
Copper (Cu)	Less than .01	Sulphur (S)	.37
Arsenic (As)	.10	Manganese (Mn)	.02
Antimony (Sb)	Less than .10	Lead (Pb)	.01
Bismuth (Bi)	Less than .10	Zinc (Zn)	.01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
Total Penalties	None
Adjusted Base Price — Per S. T. U.	63.00

Gross Wt. 21,314 Tare Wt. 1,475 Net Wt. 19,839

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
19,839	−	None	=	19,839	×	69.2	=	13728.588	or	686.4294	×	63.00	=	43,245.05

ACCEPTANCE

Received and Accepted by General Services Administration at Salt Lake City, Utah

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	43,245.05

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	July 21, 1954
By (Signature)	Title
/s/ Frank R. Ellsbury	Assistant Treasurer

CONTRACTOR: Minerals Engineering Co. DATE: July 19, 1954
CONTRACT NO: 8-391 ADDRESS: P.O. Box 957, Grand Junction, Colo.
CERTIFICATE NO: 8-391 LOT NO: Twenty-two (22)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type E, Synthetic Scheelite) per weight certificate and assay report attached

WEIGHT				ANALYSIS		
Gross Weight	21,314	lbs.		(WO_3)	69.20	%
Tare Weight	1,475	lbs.		Sn	Less than .10	%
Net Weight	19,839	lbs.		Cu	Less than .01	%
Moisture None %	None	lbs.		As	.10	%
Net dry pounds	19,839	or 9.9195 S.D.T.		Sb	Less than .10	%
				Bi	Less than .10	%
				Mo	1.75	%
				P	.02	%
				S	.37	%
				Mn	.02	%
				Pb	.01	%
				Zn	.01	%

Net dry pounds 19,839 containing 69.2 % WO_3
equals 19,728.588 lbs. WO_3 or 686.4294 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

____	% WO_3 below 60%	20	cents	for	each	____ %	$ ____
____	% Sn above ____	25	"	"	"	____ %	$ ____
____	% Cu " ____	25	"	"	"	____ %	$ ____
____	% As " ____	25	"	"	"	____ %	$ ____
____	% Sb " ____	25	"	"	"	____ %	$ ____
____	% Bi " ____	25	"	"	"	____ %	$ ____
____	% Mo " ____	25	"	"	"	____ %	$ ____
____	% P " ____	25	"	"	"	____ %	$ ____
____	% S " ____	25	"	"	"	____ %	$ ____
____	% Mn " ____	25	"	"	"	____ %	$ ____
____	% Pb " ____	25	"	"	"	____ %	$ ____
____	% Zn " ____	25	"	"	"	____ %	$ ____

Total Penalties . . . . . $ None
Net price per short ton unit $ 63.00

686.4294 S.T.U.'s X 63.00 =
Net amount due $ 43,245.05

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Salt Lake City, Utah

No. 54

Report to ~~Mr.~~ Chief, Inspection Division
General Services Administration
Denver Federal Center
Denver 14, Colorado

Chemical Laboratory Report
Prog. 977

Date received July 8, 1954

Date reported July 15, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Sn	Cu	Pb	Bi	Zn	Mo
	Minerals Engineering Company Grand Junction, Colorado Synthetic Scheelites												
.68	Tungsten Concentrates, Sample 22 Cert. No. 8-391 Net Wet Weight, 19,839 lbs.	22		69.2	0.02	0.10	0.1	<0.1	<0.01	0.01	<0.1	0.01	1.75

Ca	S	P
16.7	0.37	0.02

Moisture as received - None.

5.7% weight minus 35 mesh.

This lot of tungsten concentrates does meet chemical specifications. This lot also meets sizing specifications.

cc: Carl Schack

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed /s/ W. L. ANDERSON

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: July 19, 1954

Certificate of Authorization Number: 8-391

TO Minerals Engineering Company
P. O. Box 957
Grand Junction, Colorado

Lot No. 23

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 5,964 pounds (wet basis) of Tungsten Concentrates (Type D, Nat. Scheelite) containing 206.6526 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. None Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	69.3	Molybdenum (Mo)	* 3.77
Tin (Sn)	Less than .10	Phosphorous (P)	Less than .01
Copper (Cu)	.03	Sulphur (S)	.14
Arsenic (As)	Less than .01	Manganese (Mn)	.10
Antimony (Sb)	Less than .10	Lead (Pb)	.03
Bismuth (Bi)	Less than .10	Zinc (Zn)	.01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
*1.02% molybdenum above 2.75% at .25 for each .10%	2.55
Total Penalties	2.55
Adjusted Base Price — Per S. T. U.	60.45

Gross Wt. 6,371 Tare Wt. 407 Net Wt. 5964

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
5964	−	None	=	5964	×	69.3	=	4133.052	or	206.6526	×	60.45	=	12,492.15

ACCEPTANCE

Received and Accepted by General Services Administration at Salt Lake City, Utah

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	12,492.15

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	July 21, 1954
By (Signature)	Title
/s/ Frank R. Ellsbury	Assistant Treasurer

CONTRACTOR: Minerals Engineering Co. DATE: July [illegible], 1954
CONTRACT NO: ADDRESS: P.O.Box 957, Grand Junction, Colo.
CERTIFICATE NO: 8-391 LOT NO: Twenty-three (23)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type D, Natural Scheelite) per weight certificate and assay report attached

WEIGHT				ANALYSIS		
Gross Weight	6,371	lbs.		(WO_3)	69.3	%
Tare Weight	407	lbs.		Sn	Less than .10	%
Net Weight	5,964	lbs.		Cu	.03	%
Moisture %	None	lbs.		As	Less than .01	%
Net dry pounds	5,964	or 2.982	S.D.T.	Sb	Less than .10	%
				Bi	Less than .10	%
				Mo	* 3.77	%
				P	Less than .01	%
				S	.14	%
				Mn	.10	%
				Pb	.03	%
				Zn	.01	%

Net dry pounds 5,964 containing 69.3 % WO_3
equals 4133.052 lbs. WO_3 or 206.6526 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

	% WO_3 below 60%		20	cents	for	each		%	$
	% Sn above		25	"	"	"		%	$
	% Cu "		25	"	"	"		%	$
	% As "		25	"	"	"		%	$
	% Sb "		25	"	"	"		%	$
	% Bi "		25	"	"	"		%	$
1.02	% Mo "	2.75	25	"	"	"	.10	%	$ 2.55
	% P "		25	"	"	"		%	$
	% S "		25	"	"	"		%	$
	% Mn "		25	"	"	"		%	$
	% Pb "		25	"	"	"		%	$
	% Zn "		25	"	"	"		%	$

Total Penalties . . . . . $ 2.55
Net price per short ton unit $ 60.45

206.6526 S.T.U.'s X 60.45 =

Net amount due $ 12,492.15

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 55

Report to Mr. Chief, Inspection Division
General Services Administration
Denver Federal Center
Denver 14, Colorado

Chemical Laboratory Report
Prog. 977

Date received July 8, 1954

Date reported July 15, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	S
	Minerals Engineering Company Grand Junction, Colorado												
259	Natural Scheelite Tungsten Concentrates, Sample 23	23		69.3	0.1	<0.01	<0.1	0.03	0.03	0.01	3.77	15.0	0.14
	Cert. No. 8-391 5,964 lbs., net wet weight												
				Bi	P	Sn							
				<0.1	<0.01	<0.1							
				This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess molybdenum.									
	cc: Carl Schack												

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed /s/ W. L. ANDERSON

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: August 9, 1954

Certificate of Authorization Number: 8-391

TO Minerals Engineering Company
P. O. Box 957,
Grand Junction, Colorado

Lot No. 24

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 19,518 pounds (wet basis) of Tungsten Concentrates (Type E.Syn.Scheelite) containing 657.362 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. -- Such material has a moisture content of .06 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	67.40	Molybdenum (Mo)	2.02
Tin (Sn)	Less than .10	Phosphorous (P)	Less than .01
Copper (Cu)	.01	Sulphur (S)	.14
Arsenic (As)	.04	Manganese (Mn)	.01
Antimony (Sb)	Less than .10	Lead (Pb)	Less than .01
Bismuth (Bi)	Less than .10	Zinc (Zn)	Less than .01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties: NONE	
Total Penalties	None
Adjusted Base Price — Per S. T. U.	63.00

Gross Wt. 20,963 Tare Wt. 1,445 Net Wt. 19,518

Net Wet Lbs.		Moisture Content lbs.		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
19,518	−	11.71	=	19506.29	×	67.40	=	13147.239	or	657.362	×	63.00	=	41,413.81

ACCEPTANCE

Received and Accepted by General Services Administration at Salt Lake City, Utah

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For: Tungsten Concentrates delivered as indicated above

Total Amount Due: 41,413.81 (Dollars)

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
MINERALS ENGINEERING COMPANY	August 13, 1954
By (Signature) /s/ Frank R. Ellsbury	Title: Assistant Treasurer

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Salt Lake City, Utah

Chief, Inspection Division
General Services Administration
Denver Federal Center
Denver 14, Colorado

No. 64

Report to ~~Mr.~~

Chemical Laboratory Report

Date received July 30, 1954 977 Date reported ~~August 5, 1954~~

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	S
	Minerals Engineering Company ~~Grand Junction, Colorado~~ Synthetic Scheelite												
373	~~Tungsten Concentrates, Sample 24~~ Cert. No. 8-391 ~~19,518 lbs. not wet weight~~	~~24~~		~~67.4~~	~~0.01~~	~~0.04~~	~~<0.10~~	~~0.01~~	~~<0.01~~	~~0.01~~	~~2.02~~	~~16.7~~	~~0.14~~
				Bi	P	Sn							
				<0.10	<0.01	<0.1							
				Moisture 0.06 percent water.									
				9.3 percent weight minus 35 mesh									
				This lot of tungsten concentrates meets chemical specifications.									
				This lot does meet sizing specifications.									
	cc: Carl Schack												

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: July 26, 1954

Certificate of Authorization Number: 8-391

TO Minerals Engineering Company
P. O. Box 957, Grand Junction, Colorado

Lot No. 25

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 11,210 pounds (wet basis) of Tungsten Concentrates (Type D,Nat. Scheelite) containing 375.535 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. -- Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	67.00	Molybdenum (Mo)	* 3.71
Tin (Sn)	Less than .10	Phosphorous (P)	.01
Copper (Cu)	* .12	Sulphur (S)	.28
Arsenic (As)	Less than .01	Manganese (Mn)	.10
Antimony (Sb)	Less than .10	Lead (Pb)	.05
Bismuth (Bi)	Less than .10	Zinc (Zn)	.03

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
* .07% Cu above .05% at .25 for each .01%	1.75
* .96% Mo above 2.75% at .25 for each .10%	2.40
Total Penalties	4.15
Adjusted Base Price — Per S. T. U.	58.85

Gross Wt. 11,980 Tare Wt. 770 Net Wt. 11,210

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
11,210	−	None	=	11,210	×	67.00	=	7510.70	or	375.535	×	58.85	=	22,100.23

ACCEPTANCE

Received and Accepted by General Services Administration at Salt Lake City, Utah

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To	Region Number	
General Services Administration	8	Denver Federal Center Building 41 Denver, Colorado

Pledged to Bank in July 17,700.00 balance August

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	22,100.23

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
By (Signature) /s/ Frank R. Ellsbury	Title

GPO 832720 GSA-R8-263 (4-53)

CONTRACTOR: Minerals Engineering Co. DATE: July 26, 1954
CONTRACT NO: ADDRESS: P.O.Box 957,Grand Junction,Colo.
CERTIFICATE NO: 8-391 LOT NO: 25 Twenty Five
LOCATION OF MATERIAL: Salt Lake City,Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type D, Natural Scheelite) per weight certificate and assay report attached

WEIGHT				ANALYSIS		
Gross Weight	11,980	lbs.		(WO_3)	67.00	%
Tare Weight	770	lbs.		Sn	Less than .10	%
Net Weight	11,210	lbs.		Cu	* .12	%
Moisture %	--	lbs.		As	Less than .01	%
Net dry pounds	11,210	or 5,605	S.D.T.	Sb	Less than .10	%
				Bi	Less than .10	%
				Mo	* 3.71	%
				P	.01	%
				S	.28	%
				Mn	.10	%
				Pb	.05	%
				Zn	.03	%

Net dry pounds 11,210 containing 67.00 % WO_3
equals 7510.70 lbs. WO_3 or 375.535 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

	% WO_3	below	60%	20	cents	for	each	%	$
	% Sn	above		25	"	"	"	%	$
.07	% Cu	"	.05	25	"	"	"	.01 %	$ 1.75
	% As	"		25	"	"	"	%	$
	% Sb	"		25	"	"	"	%	$
	% Bi	"		25	"	"	"	%	$
.96	% Mo	"	2.75	25	"	"	"	.10 %	$ 2.40
	% P	"		25	"	"	"	%	$
	% S	"		25	"	"	"	%	$
	% Mn	"		25	"	"	"	%	$
	% Pb	"		25	"	"	"	%	$
	% Zn	"		25	"	"	"	%	$

Total Penalties . . . . . $ 4.15
Net price per short ton unit $ 58.85

375.535 S.T.U.'s X 58.85 =

Net amount due $ 22,100.23

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 56

Report to Mr. Chief, Inspection Division
General Services Administration
Denver Federal Center
Denver 14, Colorado

Chemical Laboratory Report
Prog. 977

Date received July 16, 1954

Date reported July 22, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	Cu	Pb	Bi	Sb	S	Mo	P	Zn
	Minerals Engineering Co. Grand Junction, Colorado												
90	Natural Scheelite Tungsten Concentrates, Sample 25	25		67.0	0.1	0.12	0.05	<0.1	<0.1	0.28	3.71	0.01	0.03
	Cert. No. 8-391 11,210 lbs. net wet weight												
				As	Ca	Sn							
				<0.01	15.1	<0.1							
				Moisture as received - none.									
				This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess copper and molybdenum.									
	cc: Carl Schack												

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed /s/ W. L. ANDERSON

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: July 29, 1954

Certificate of Authorization Number: 8-391

Lot No. 26

TO Minerals Engineering Company
P. O. Box 957
Grand Junction, Colorado

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 9,114 pounds (wet basis) of Tungsten Concentrates (Type D,Nat Scheelite) containing 281.6226 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. -- Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	61.80	Molybdenum (Mo)	* 3.53
Tin (Sn)	Less than .10	Phosphorous (P)	.02
Copper (Cu)	* .08	Sulphur (S)	.23
Arsenic (As)	Less than .01	Manganese (Mn)	.20
Antimony (Sb)	Less than .10	Lead (Pb)	.05
Bismuth (Bi)	Less than .10	Zinc (Zn)	.02

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties	Dollars
.03% Copper above .05% at .25 for each .01%	.75
.78% Molybdenum above 2.75% at .25 for each .10%	1.95
Total Penalties	2.70
Adjusted Base Price — Per S. T. U.	60.30

Gross Wt. 9,740 Tare Wt. 626 Net Wt. 9,114

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T U. WO3		Adjusted Base Price		Payment
9,114	−	None	=	9,114	×	61.80	=	5632.452	or	281.6226	×	60.30	=	16,981.84

ACCEPTANCE

Received and Accepted by General Services Administration at Salt Lake City, Utah

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To	Region Number	
General Services Administration	8	Denver Federal Center Building 41 Denver, Colorado

Pledged to Bank in July - 14,000.00 August balance

For		Dollars
Tungsten Concentrates delivered as indicated above	Total Amount Due	16,981.84

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	July 30, 1954
By (Signature) /s/ Frank R. Ellsbury	Title Assistant Treasurer

GPO 832720 GSA-R8-263(4-53)

Includes 1,737.00 Purchased ore

CONTRACTOR: Minerals Engineering Company DATE: July 9, 1954
CONTRACT NO: ADDRESS: P. O. Box 957, Grand Junction, Colo.
CERTIFICATE NO: 8-391 LOT NO: 26 Twenty-six
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type D, Natural scheelite) per weight certificate and assay report attached

WEIGHT				ANALYSIS		
Gross Weight	9,740	lbs.		(WO_3)		61.80 %
Tare Weight	626	lbs.		Sn	Less than	.10 %
Net Weight	9,114	lbs.		Cu	*	.08 %
Moisture None %		lbs.		As	Less than	.01 %
Net dry pounds	9,114	or 4.557	S.D.T.	Sb	less than	.10 %
				Bi	Less than	.10 %
				Mo	*	3.53 %
				P		.02 %
				S		.23 %
				Mn		.20 %
				Pb		.05 %
				Zn		.02 %

Net dry pounds 9,114 containing 61.80 % WO_3
equals 5632.452 lbs. WO_3 or 281.6226 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

	% WO_3	below	60%	20	cents	for	each	%	$
	% Sn	above		25	"	"	"	%	$
.03	% Cu	"	.05	25	"	"	"	.01 %	$ .75
	% As	"		25	"	"	"	%	$
	% Sb	"		25	"	"	"	%	$
	% Bi	"		25	"	"	"	%	$
.78	% Mo	"	2.75	25	"	"	"	.10 %	$ 1.95
	% P	"		25	"	"	"	%	$
	% S	"		25	"	"	"	%	$
	% Mn	"		25	"	"	"	%	$
	% Pb	"		25	"	"	"	%	$
	% Zn	"		25	"	"	"	%	$

Total Penalties . . . . . $ 2.70
Net price per short ton unit $ 60.30

281.6226 S.T.U.'s X 60.30 =
Net amount due $ 16,981.84

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 58

Report to Mr. Chief, Inspection Division
General Services Administration
Denver Federal Center
Denver 14, Colorado

Chemical Laboratory Report

Prog. 977

Date received July 21, 1954

Date reported July 27, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	S
	Minerals Engineering Company Grand Junction, Colorado												
58	Natural Scheelite Tungsten Concentrates, Sample 26	26		61.8	0.2	<0.01	<0.1	0.08	0.05	0.02	3.53	15.4	0.23
	Cert. No. 8-391 9,114 lbs. net wet weight												
				Bi	P	Sn							
				<0.1	0.02	<0.1							
				Moisture as received - None									
				This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess copper and molybdenum.									
	cc: Carl Schack												

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed /s/ W. L. ANDERSON

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: July 30, 1954

Certificate of Authorization Number: 8-391

TO
Minerals Engineering Company
P. O. Box 957
Grand Junction, Colorado

Lot No. 27

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 16,272 pounds (wet basis) of Tungsten Concentrates (Type E,Syn.Scheelite) containing 532.0944 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. -- Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	65.40	Molybdenum (Mo)	1.58
Tin (Sn)	Less than .10	Phosphorous (P)	.03
Copper (Cu)	Less than .01	Sulphur (S)	.33
Arsenic (As)	* .35	Manganese (Mn)	.01
Antimony (Sb)	Less than .10	Lead (Pb)	.06
Bismuth (Bi)	Less than .10	Zinc (Zn)	.01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties: .25% Arsenic above .10 at 25 cents for each .10%	.625
Total Penalties	.625
Adjusted Base Price — Per S. T. U.	62.375

Gross Wt. 17,475 Tare Wt. 1,203 Net Wt. 16,272

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T U. WO3		Adjusted Base Price		Payment
16,272	−	None	=	16,272	×	65.40	=	10641.888	or	532.0944	×	62.375	=	33,189.39

ACCEPTANCE

Received and Accepted by General Services Administration at Salt Lake City, Utah

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To General Services Administration

Region Number 8

Denver Federal Center
Building 41
Denver, Colorado

Pledged to Bank in July 29,000.00 balance Aug

For Tungsten Concentrates delivered as indicated above

Total Amount Due: 33,189.39

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	August 2, 1954
By (Signature)	Title
/s/ Frank R. Ellsbury	Assistant Treasurer

CONTRACTOR: Minerals Engineering Co. DATE: July 30, 1954
CONTRACT NO: ADDRESS: P.O.Box 957, Grand Junction, Colo.
CERTIFICATE NO: 8-391 LOT NO: 27
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type E, Synthetic Scheelite) per weight certificate and assay report attached

WEIGHT				ANALYSIS		
Gross Weight	17,475	lbs.		(WO_3)	65.40	%
Tare Weight	1,203	lbs.		Sn	Less than .10	%
Net Weight	16,272	lbs.		Cu	Less than .01	%
Moisture ____ %	None	lbs.		As	* .35	%
Net dry pounds	16,272	or 8,136	S.D.T.	Sb	Less than .10	%
				Bi	Less than .10	%
				Mo	1.58	%
				P	.03	%
				S	.33	%
				Mn	.01	%
				Pb	.06	%
				Zn	.01	%

Net dry pounds 16,272 containing 65.40 % WO_3
equals 10,641.888 lbs. WO_3 or 532.0944 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES:

____	% WO_3 below 60%		20 cents for each			____ %	$ ____
____	% Sn above	____	25 "	"	"	____ %	$ ____
____	% Cu "	____	25 "	"	"	____ %	$ ____
.25	% As "	.10	25 "	"	"	.10 %	$ .625
____	% Sb "	____	25 "	"	"	____ %	$ ____
____	% Bi "	____	25 "	"	"	____ %	$ ____
____	% Mo "	____	25 "	"	"	____ %	$ ____
____	% P "	____	25 "	"	"	____ %	$ ____
____	% S "	____	25 "	"	"	____ %	$ ____
____	% Mn "	____	25 "	"	"	____ %	$ ____
____	% Pb "	____	25 "	"	"	____ %	$ ____
____	% Zn "	____	25 "	"	"	____ %	$ ____

Total Penalties . . . . . $ .625
Net price per short ton unit $ 62.375

532.0944 S.T.U.'s X 62.375 =
Net amount due $ 33,189.39

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 60

Report to Mr. Chief, Inspection Division
General Services Administration
Denver Federal Center
Denver 14, Colorado

Chemical Laboratory Report
Prog. 977

Date received July 22, 1954

Date reported July 28, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	S
	Minerals Engineering Company Grand Junction, Colorado												
323	Synthetic Scheelite Tungsten Concentrates, Sample 27	27		65.4	0.01	0.35	<0.1	<0.01	0.06	0.01	1.58	18.5	0.33
	Cert. No. 8-391 16,272 lbs. net wet weight												
				Bi	P	Sn							
				<0.1	0.03	<0.1							
				4.3% weight minus 35 mesh									
				Moisture as received - None									
				This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess arsenic.									
				This lot does meet sizing specifications.									
	cc: Carl Schack												

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: August 2, 1954

Certificate of Authorization Number: 8-391

Lot No. 28

TO Minerals Engineering Company
P. O. Box 957
Grand Junction, Colorado

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 16,264 pounds (wet basis) of Tungsten Concentrates (Type E.Syn.Scheelite) containing 575.7456 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. -- Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	70.80	Molybdenum (Mo)	1.69
Tin (Sn) Less than	.10	Phosphorous (P)	.02
Copper (Cu)	.01	Sulphur (S)	.12
Arsenic (As)	.03	Manganese (Mn)	.01
Antimony (Sb) Less than	.10	Lead (Pb)	.03
Bismuth (Bi) Less than	.10	Zinc (Zn)	.01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties: NONE	
Total Penalties	
Adjusted Base Price — Per S. T. U.	63.00

Gross Wt. 17,462 Tare Wt. 1,198 Net Wt. 16,264

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T. U. WO3		Adjusted Base Price		Payment
16,264	–	None	=	16,264	×	70.80	=	11514.912	or	575.7456	×	63.00	=	$36,271.97

ACCEPTANCE

Received and Accepted by General Services Administration at Salt Lake City, Utah

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado

For		Dollars
Tungsten Concentrates delivered as indicated above	Pledged to Bank in July @ 31,000.00 balance Aug — Total Amount Due	36,271.97

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
By (Signature) /s/ Frank R. Ellsbury	Title

CONTRACTOR: Minerals Engineering Co. DATE: August [illegible] 1954
CONTRACT NO: ADDRESS: Box 957, Grand Junction, Colorado
CERTIFICATE NO: 8-391 LOT NO: 28 (Twenty Eight)
LOCATION OF MATERIAL: Salt Lake City, Utah

SOLD TO: GENERAL SERVICES ADMINISTRATION
Building 41, Denver Federal Center
Denver, Colorado

One lot tungsten (Type E, Synthetic Scheelite) per weight certificate and assay report attached

WEIGHT				ANALYSIS		
Gross Weight	17,462	lbs.		(WO_3)	70.80	%
Tare Weight	1,198	lbs.		Sn	Less than .10	%
Net Weight	16,264	lbs.		Cu	.01	%
Moisture None %		lbs.		As	.03	%
Net dry pounds	16,264	or 8.132	S.D.T.	Sb	Less than .10	%
				Bi	Less than .10	%
				Mo	1.69	%
				P	.02	%
				S	.12	%
				Mn	.01	%
				Pb	.03	%
				Zn	.01	%

Net dry pounds 16,264 containing 70.80 % WO_3
equals 11,514.912 lbs. WO_3 or 575.7456 S.T.U. WO_3

BASIC PRICE: (60% WO_3) . . . . . $63.00 S.T.U.

PENALTIES: NONE

____	% WO_3 below 60%		20	cents	for	each	____ %	$ ____
____	% Sn above	____	25	"	"	"	____ %	$ ____
____	% Cu "	____	25	"	"	"	____ %	$ ____
____	% As "	____	25	"	"	"	____ %	$ ____
____	% Sb "	____	25	"	"	"	____ %	$ ____
____	% Bi "	____	25	"	"	"	____ %	$ ____
____	% Mo "	____	25	"	"	"	____ %	$ ____
____	% P "	____	25	"	"	"	____ %	$ ____
____	% S "	____	25	"	"	"	____ %	$ ____
____	% Mn "	____	25	"	"	"	____ %	$ ____
____	% Pb "	____	25	"	"	"	____ %	$ ____
____	% Zn "	____	25	"	"	"	____ %	$ ____

Total Penalties . . . . . $ ____
Net price per short ton unit $ 63.00

575.7456 S.T.U.'s X 63.00 =

Net amount due $ 36,271.97

Distribution: (4) Orig. - Reg. Compt. 1 - Inspection, Wash.
1 - Participant 1 - E.P.A.

GSA-RS-267
(5-53)

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 62

Report to Mr. Chief, Inspection Division
General Services Administration
Denver Federal Center
Denver 14, Colorado

Chemical Laboratory Report

977

Date received July 26, 1954

Date reported July 30, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Cu	Pb	Zn	Ca	P	Sn	Sb
	Minerals Engineering Company Grand Junction, Colorado												
1[illegible]31	Synthetic Scheelite Tungsten Concentrates, Sample 28	28		70.8	0.01	0.03	0.01	0.03	0.01	16.4	0.02	<0.1	<0.1
	Cert. No. 8-391 19,264 lbs. net wet weight												
				Bi	S	Mo							
				<0.1	0.12	1.69							
				5.0% weight minus 35 mesh									
				Moisture as received - None									
				This lot of tungsten concentrates meets chemical specifications.									
				This lot does meet sizing specifications.									
	cc: Carl Schack												

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: August 9, 1954

Certificate of Authorization Number: 8-391

Lot No. 29

TO Minerals Engineering Company
P. O. Box 957
Grand Junction, Colorado

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 19,840 pounds (wet basis) of Tungsten Concentrates (Type E.Syn.Scheelite) containing 734.4473 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. -- Such material has a moisture content of .085 % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	74.10	Molybdenum (Mo)	2.27
Tin (Sn)	Less than .10	Phosphorous (P)	Less than .01
Copper (Cu)	Less than .01	Sulphur (S)	.10
Arsenic (As)	Less than .01	Manganese (Mn)	.01
Antimony (Sb)	Less than .10	Lead (Pb)	.01
Bismuth (Bi)	Less than .10	Zinc (Zn)	.01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties — NONE	Dollars
Total Penalties	
Adjusted Base Price — Per S. T. U.	63.00

Gross Wt. 21,302 Tare Wt. 1,462 Net Wt. 19,840

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T U. WO3		Adjusted Base Price		Payment
19,840	−	16.86	=	19,823.14	×	74.10	=	14688.9467	or	734.4473	×	63.00	=	46,270.18

ACCEPTANCE

Received and Accepted by General Services Administration at Salt Lake City, Utah

By (Type name)	Signature	Title
Otto G. Klein	/s/	Regional Director

For Use of Producer Only

INVOICE

To		
General Services Administration	Region Number 8	Denver Federal Center Building 41 Denver, Colorado
For Tungsten Concentrates delivered as indicated above	Total Amount Due	Dollars 46,270.18

Pledged to Bank in July 40,000.00 balance August

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
MINERALS ENGINEERING COMPANY	August 13, 1954
By (Signature) /s/ Frank R. Ellsbury	Title Assistant Treasurer

Date stamped: RECEIVED AUG 13 1954
MINERALS ENGINEERING CO.

6-308
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 63

Report to ~~Mr.~~ Chief, Inspection Division
General Services Administration
Denver Federal Center
Denver 14, Colorado

Chemical Laboratory Report
977

Date received July 30, 1954

Date reported August 5, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	S
	Minerals Engineering Company Grand Junction, Colorado												
3[illegible]49	Synthetic Scheelite Tungsten Concentrates, Sample 29	29		74.1	0.01	<0.01	<0.10	<0.01	0.01	0.01	2.27	15.1	0.10
	Cert. No. 8-391 19,840 lbs. net wet weight												
				Bi	P	Sn							
				<0.10	<0.01	<0.10							
				Moisture 0.085 percent water.									
				5.0% weight minus 35 mesh.									
				This lot of tungsten concentrates meets chemical specifications.									
				This lot does meet sizing specifications.									
	cc: Carl Schack												

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: August 13, 1954

Certificate of Authorization Number: 8-391

TO
Minerals Engineering Company
Box 957
Grand Junction, Colorado

Lot No. 30

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 11,390 pounds (wet basis) of Tungsten Concentrates (Type E.Syn.Scheelite) containing 393.3255 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. -- Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	68.90	Molybdenum (Mo)	2.10
Tin (Sn)	Less than .10	Phosphorous (P)	Less than .01
Copper (Cu)	.01	Sulphur (S)	.08
Arsenic (As)	.06	Manganese (Mn)	.01
Antimony (Sb)	Less than .10	Lead (Pb)	* .14
Bismuth (Bi)	Less than .10	Zinc (Zn)	.01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties: .04% lead above .10% at 25 cents for each .10%	.10
Total Penalties	.10
Adjusted Base Price — Per S. T. U.	62.90

Gross Wt. 12,233 Tare Wt. 843 Net Wt. 11,390

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T U. WO3		Adjusted Base Price		Payment
11,390	−	None	=	11,390	×	68.90	=	7847.71	or	392.3855	×	62.90	=	24,681.05

ACCEPTANCE

Received and Accepted by General Services Administration at Salt Lake City, Utah

By (Type name)	Signature	Title
Otto G. Klein	/s/ Otto G. Klein	Regional Director

For Use of Producer Only

INVOICE

To General Services Administration

Region Number 8

Denver Federal Center
Building 41
Denver, Colorado

Pledged to Bank in July
31,800.00 balance August

For Tungsten Concentrates delivered as indicated above

Total Amount Due: Dollars 24,681.05

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	August 14, 1954
By (Signature) /s/ Frank R. Ellsbury	Title: Assistant Treasurer

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

No. 65

Report to Mr. Chief, Inspection Division
General Services Administration
Denver Federal Center
Denver 14, Colorado

Chemical Laboratory Report
977

Date received August 2, 1954

Date reported August 10, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Sb	Cu	Pb	Zn	Mo	Ca	P
	Minerals Engineering Company Grand Junction, Colorado												
[illegible]22	Synthetic Scheelite Tungsten Concentrates, Sample 30	30		68.9	0.01	0.06	<0.1	0.01	0.14	0.01	2.1	17.3	<0.01
	Cert. No. 8-391 11,930 lbs. net wet weight												
				Sn	S	Bi							
				<0.1	0.08	<0.1							
				Moisture as received - None									
				5.13 percent weight minus 35 mesh									
				This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess lead.									
				This lot does meet sizing specifications.									
	Date stamped: RECEIVED ~~MINERALS ENGINEERING CO.~~ AUG 14 1954												
	cc: Carl Schack												

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed

GENERAL SERVICES ADMINISTRATION
DOMESTIC TUNGSTEN PURCHASE PROGRAM
ACCEPTANCE AND INVOICE

Date: August 13, 1954

Certificate of Authorization Number: 8-391

TO Minerals Engineering Company
Box 957
Grand Junction, Colorado

Lot No. 31

Subject to the terms and conditions of the Tungsten Regulation establishing the Government's Purchase Program for Domestic Tungsten Concentrates in lots of one ton or more, the Government accepts 16,118 pounds (wet basis) of Tungsten Concentrates (Type D,Nat.Scheelite) containing 529.476 short ton units of tungsten trioxide, delivered f. o. b. common carrier's conveyance at Salt Lake City, Utah, consigned to General Services Administration on B/L No. -- Such material has a moisture content of None % and analyses in a dry basis as follows:

	Percent		Percent
Tungsten Trioxide (WO3)	65.70	Molybdenum (Mo)	* 3.40
Tin (Sn)	Less than .10	Phosphorous (P)	Less than .01
Copper (Cu)	.04	Sulphur (S)	.11
Arsenic (As)	.03	Manganese (Mn)	.10
Antimony (Sb)	Less than .10	Lead (Pb)	.06
Bismuth (Bi)	Less than .10	Zinc (Zn)	.01

EVALUATION AND SETTLEMENT DATA

	Dollars
Base Price (Penalties indicated by asterisk (*)) — Per S. T. U.	63.00
Penalties: * .65% Mo above 2.75% at 25 cents for each .10%	1.625
Total Penalties	1.625
Adjusted Base Price — Per S. T. U.	61.375

Gross Wt. 17,224 Tare Wt. 1,106 Net Wt. 16,118

Net Wet Lbs.		Moisture Content		Net Dry Lbs.		Percent WO3		Lbs. WO3		S. T U. WO3		Adjusted Base Price		Payment
16,118	–	None	=	16,118	×	65.70	=	10589.526	or	529.476	×	61.375	=	32,496.59

ACCEPTANCE

Received and Accepted by General Services Administration at Salt Lake City, Utah

By (Type name)	Signature	Title
Otto G. Klein	/s/ Otto G. Klein	Regional Director

For Use of Producer Only

INVOICE

To General Services Administration

Region Number 8

Denver Federal Center
Building 41
Denver, Colorado

For Tungsten Concentrates delivered as indicated above

Pledged to Bank in July for 27,000.00 Balance August

Total Amount Due: Dollars 32,496.59

I certify that the above bill is correct and just and that payment therefor has not been received. The producer warrants that said material was mined in the continental United States.

Producer (Type name)	Date
Minerals Engineering Company	August 14, 1954
By (Signature) /s/ Frank R. Ellsbury	Title: Assistant Treasurer

GPO 832720

GSA-R8-263(4-53)

Includes 2414.38 purchased Ore.

6-303
(March 1947)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
Salt Lake City, Utah

Chief, Inspection Division
General Services Administration
Denver Federal Center
Report to Mr. Denver 14, Colorado

No. 67

Date stamped: RECEIVED AUG 14 1954
MINERALS ENGINEERING CO.

Chemical Laboratory Report

977

Date received August 4, 1954

Date reported August 10, 1954

Serial No.	DESCRIPTION	Lot No.	%	WO_3	Mn	As	Cu	Pb	Zn	Mo	P	Sn	Ca
	Minerals Engineering Company Grand Junction, Colorado												
321	Natural Scheelite Tungsten Concentrates, Sample 31 Cert. No. 8-391 16,118 lbs. net wet weight	31		65.7	0.1	0.03	0.04	0.06	0.01	3.4	<0.01	<0.1	15.9
				S	Si	Sb							
				0.11	<0.1	<0.1							
				Moisture as received - None									
				This lot of tungsten concentrates meets chemical specifications but will carry a penalty due to excess molybdenum.									
	cc: Carl Schack												

U. S. GOVERNMENT PRINTING OFFICE 16—33553-3

Signed

COPY COPY

THE SALT LAKE TUNGSTEN COMPANY
DELIVERY
Concentrate ~~Settlement~~ Sheet

Date March 11, 1954 Shippers Lot No. 54 37-L S.L.T. Co. Lot No. 97

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date March 6, 1954

Sampled By Utah Ore Sampling Co. Date March 4, 1954 Report No.

Assayed By Union Assay Office Date Report No.

R.R.Car ~~Truck~~ UP-161305 Gross Lbs. 167,480 Tare Lbs. 56,300 Wet Wt. Lbs. 111,180

Assay 6.76 % Moisture 13.05 % Lbs. 14,508

Dry Weight Lbs. 96,672

Dry Tons 48.336 X Settlement Assay 6.76 % Total Contained Units 326.751

TREATMENT BASIS

Contained Units x 90% = UNITS SP. GRADE

SETTLEMENT

SPECIFIED GRADE ~~Contained~~ Units	326.751	x	$63.00 =	$ 20,585.31	Gross Value
Less Deductions:					
Losses	$6.30		$2,058.53		
Sampling Charges			37.50		Pledged to Bank in March for $11,262.51; repaid from GSA settlements in July
Refinery Charge	13.50		4,411.14		
Freight Charges					
Advances					
			Total Deductions	$ 6,507.17	
			Net Settlement	$ 14,078.14	

Date Paid
Vo. No.:

COPY COPY

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date March 11, 1954 Shippers Lot No. 52-35L S.L.T. Co. Lot No. 90

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date March 2, 1954

Sampled By Utah Ore Sampling Company Date February 26, 1954 Report No. 5593

Assayed By Union Assay Office, Inc. Date February 25, 1954 Report No. 175

~~Truck~~ R.R. Car UP161028 Gross Lbs. 165,260 Tare Lbs. 60,060 Wet Wt. Lbs. 105,200

Assay 6.34 % Moisture 12.6 % Lbs. 13,255

Dry Weight Lbs. 91,945

Dry Tons 45.973 x Settlement Assay 6.34 % Total Contained Units 291.469

SETTLEMENT

Contained Units	291.469	x	$63.00	=	$ 18,362.55	Gross Value
Loss Deductions:						
Losses	$ 6.30		$1,836.26			
Sampling Charges						
Refinery Charge	$13.50		$3,934.83			
Freight Charges						
Advances						

Pledged to Bank in March for $10,073.17; repaid from GSA settlements in July

Total Deductions $ 5,771.09

Net Settlement $ 12,591.46

Date Paid

Vo. No.:

COPY COPY

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 3/24/54 Shippers Lot No. 55 39-L S.L.T. Co. Lot No. 99

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date 3/9/54

Sampled By The Salt Lake Tungsten Co Date 3/9/54 Report No.

Assayed By Union Assay Office, Inc. Date 3/10/54 Report No. 227

Truck M. E. Co. Gross Lbs. 41,690 Tare Lbs. 21,680 Wet Wt. Lbs. 20,010

Assay 7.88 % Moisture 12.37 % Lbs. 2,475

Dry Weight Lbs. 17,535

Dry Tons 8.768 x Settlement Assay 7.88 % Total Contained Units 69.092

SETTLEMENT

Contained Units	69.092	x	$63.00 =	$ 4,352.80	Gross Value
Less Deductions:					
Losses	$ 6.30		$435.28		
Sampling Charges					
Refinery Charge	$13.50		$932.74		
Freight Charges					
Advances					
			Total Deductions	$ 1,368.02	
			Net Settlement	$ 2,984.78	

PLEDGED TO BANK IN MARCH FOR $2,387.82 REPAID FROM GSA SETTLEMENTS IN JUNE

Date Paid
Vo. No.:

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

JAN 0 1955

COPY COPY

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 3/5/54 Shippers Lot No. 32, 33, 34 & 36L S.L.T. Co. Lot No. 85, 86, 88 & 89

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date Various

Sampled By Salt Lake Tungsten Company Date Report No.

Assayed By Union Assay Office, Inc. Date Report No.

Truck	Gross Lbs.	Tare Lbs.	Wet Wt. Lbs.	144,550
	Assay	Moisture	Lbs.	29,011
			Dry Weight Lbs.	115,539
Dry Tons 57.770	Settlement Assay	6.048	Total Contained Units	349.447

SETTLEMENT

Contained Units	349.447	x	$63.00 =	$ 22,015.16	Gross Value
Less Deductions:					
Losses	$ 6.30		$2,201.52		PLEDGED TO BANK IN MARCH FOR 12,076.89 REPAID FROM GSA SETTLEMENTS IN JUNE
Sampling Charges					
Refinery Charge	$13.50		$4,717.53		
Freight Charges					
Advances					
			Total Deductions	$ 6,919.05	
			Net Settlement	$ 15,096.11	

Date Paid
Vo. No.:

RECEIVED
MAR 6 1954
MINERALS
ENGINEERING CO.

MINERALS ENGINEERING COMPANY - GLEN, MONTANA

March 5, 1954

Date Rec'd.	Shipper's Lot No.	S. L. Tungsten Lot Number	Wet Lbs.	Moisture	Dry Lbs.	Dry Tons	Assay WO_3	Units Contained
2/13/54	48 - 32L	85	35,800	6,022	29,778	14.889	5.88	87.547
2/15/54	49 - 33L	86	74,220	16,217	58,003	29.002	6.72	194.893
2/20/54	50 - 34L	88	14,110	4,168	9,942	4.971	4.00	19.884
2/23/54	51 - 36L	89	20,420	2,604	17,816	8.908	5.29	47.123
			144,550	29,011	115,539	57.770	6.048	349.447

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 10 1955

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date January 20, 1954 Shippers Lot No. 2 S.L.T. Co. Lot No. 12

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date 12/3/53

Sampled By Salt Lake Tungsten Co. Date 12/3/53 Report No.

Assayed By Bureau of Mines Date 1/5/54 Report No.

Truck M. E. C. Gross Lbs. 3,076 Tare Lbs. 204 Wet Wt. Lbs. 2,872

Assay Moisture Lbs. --

Dry Weight Lbs. 2,872

Dry Tons 1,436 Settlement Assay 57.2% Total Contained Units 82.1392

SETTLEMENT

Contained Units	82.1392	x	$63.00	=	$ 5,174.77	Gross Value
Less Deductions:						
Losses	$7.435		$610.70			
Sampling Charges						
Refinery Charge	2.00		164.28			
Freight Charges						
Advances						
				Total Deductions	$ 774.98	
				Net Settlement	$ 4,399.79*	

Date Paid
Vo. No.:

Final settlement adjusted to $4,490.42.

COPY COPY

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date January 20, 1954 Shippers Lot No. 3 S.L.T. Co. Lot No. 13

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date 12/3/53

Sampled By Salt Lake Tungsten Co. Date 12/3/53 Report No.

Assayed By Union Assay Office, Inc. Date 12/7/53 Report No. 319-04

Truck M. E. Co. Gross Lbs. 14,760 Tare Lbs. 857 Wet Wt. Lbs. 13,903

14 Barrels Assay 2.16 % Moisture 23.60 % Lbs. 3,281

Dry Weight Lbs. 10,622

Dry Tons 5.311 Settlement Assay 2.16% Total Contained Units 11.472

SETTLEMENT

					Gross Value
Contained Units	11.472	x	$63.00	=	$ 722.74
Less Deductions:					
Losses	$11.50		$131.93		
Sampling Charges					
Refinery Charge	13.50		154.87		
Freight Charges					
Advances					

Total Deductions $ 286.80

Net Settlement $ 435.94

Date Paid
Vo. No.:

DEPART
Defense

JAN 10

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date January 20, 1954 Shippers Lot No. 4 S.L.T. Co. Lot No. 15

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date 12/5/53

Sampled By Salt Lake Tungsten Co. Date 12/5/53 Report No.

Assayed By Union Assay Office, Inc. Date 12/10/53 Report No. 11

Truck Young Truck Line Gross Lbs. 34,250 Tare Lbs. 2,029 Wet Wt. Lbs. 32,221

34 Barrels Assay 2.44 % Moisture 24.21 % Lbs. 7,801

Dry Weight Lbs. 24,420

Dry Tons Settlement Assay % Total Contained Units 29.792

SETTLEMENT

Contained Units	29.792	x	$63.00	= $ 1,876.90	Gross Value
Less Deductions:					
Losses	$11.50		$342.61		
Sampling Charges					
Refinery Charge	13.50		402.19		
Freight Charges					
Advances					
				Total Deductions	$ 744.80
				Net Settlement	$ 1,132.10

Date Paid
Vo. No.:

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date January 20, 1954 Shippers Lot No. 5 S.L.T. Co. Lot No. 18

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date 12/10/53

Sampled By Salt Lake Tungsten Co. Date 12/10/53 Report No.

Assayed By Union Assay Office Date 12/16/53 Report No. 17

Truck Young Gross Lbs. 40,310 Tare Lbs. 2,607 Wet Wt. Lbs. 37,703

41 Barrels Assay 3.42 % Moisture 22.33 % Lbs. 8,419

Dry Weight Lbs. 29,284

Dry Tons 14.642 Settlement Assay 3.42 % Total Contained Units 50.076

SETTLEMENT

						Gross Value
Contained Units	50.076	x	$63.00	=	$ 3,154.79	
Less Deductions:						
Losses	$6.30		$315.47			
Sampling Charges						
Refinery Charge	Treatment $13.50		676.02			
Freight Charges						
Advances						
			Total Deductions		$ 991.49	
			Net Settlement		$ 2,163.30	

Date Paid
Vo. No.:

DEPARTMENT
Defense Mine
JAN 10 195

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 1/20/54 Shippers Lot No. 6 S.L.T. Co. Lot No. 19

Shipper Minerals Engineering

Shipped From Glen, Montana Date 12/14/53

Sampled By Salt Lake Tungsten Co. Date 12/14/53 Report No.

Assayed By Union Assay Office Date Report No.

Truck Young Gross Lbs. 30.972 Tare Lbs. 2.225 Wet Wt. Lbs. 36,747

Assay 2.43 % Moisture 20.58 % Lbs. 7,563

37 BBls. Dry Weight Lbs. 29,184

Dry Tons 14.592 Settlement Assay 2.43 % Total Contained Units 35.459

SETTLEMENT

Contained Units	35.459	x	$63.00	= $ 2,233.92	Gross Value
Less Deductions:					
Losses	$ 6.30		$ 223.39		
Sampling Charges					
Refinery Charge	13.50		478.70		
Freight Charges					
Advances					
			Total Deductions	$ 702.09	
			Net Settlement	$ 1,531.83	

Date Paid
Vo. No.:

Final settlement decreased this by $4.28.

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 1/21/54 Shippers Lot No. *Combined Settlement 7 and 13 S.L.T. Co. Lot No. 20-33

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date 12/14/53 1/ 2/54

Sampled By The Salt Lake Tungsten Co./Date Report No.

Assayed By Bureau of Mines Date 1/19/54 Report No. 4

Truck Young M. E. Co. Gross Lbs. Tare Lbs. Wet Wt. Lbs.

Assay 61.3 % Moisture Lbs.

Dry Weight Lbs. 4,442

Dry Tons 2.221 Settlement Assay 61.3 % Total Contained Units 136.1473

SETTLEMENT

Contained Units		136.1473	x	$63.00	=	$ 8,577.28 Gross Value
Less Deductions:						
Losses	(Cu)	$1.25	$170.19			
	(Ni)	$2.125	$289.31			
Sampling Charges						
Refinery Charge		$2.00	$272.29			
Freight Charges						
Advances						

*Note: Since Minerals Engineering Company Lots 7 and 13 were shipped as one Natural Scheelite lot to the Government on Salt Lake Tungsten's lot #9, this settlement sheet is for both.

Total Deductions $ 731.79

Net Settlement $7,845.49

Date Paid

Vo. No.:

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 1/20/54 Shippers Lot No. 8 S.L.T. Co. Lot No. 22

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date

Sampled By The Salt Lake Tungsten Co. Date 12/15/53 Report No.

Assayed By Union Assay Office Date Report No.

Truck Young Gross Lbs. 38,200 Tare Lbs. 2,299 Wet Wt. Lbs. 35,901

41 Bbls. Assay 2.80 % Moisture 24.37 % Lbs. 8,749

Dry Weight Lbs. 27,152

Dry Tons 13.576 Settlement Assay 2.80 % Total Contained Units 38.013

SETTLEMENT

Contained Units	38.013	x	$63.00	=	$ 2,394.82	Gross Value
Less Deductions:						
Losses	$ 6.30		$239.48			
Sampling Charges	$13.50		$513.18			
Refinery Charge						
Freight Charges						
Advances						
			Total Deductions		$ 752.66	
			Net Settlement		$ 1,642.16	

Date Paid

Vo. No.:

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 1/20/54 Shippers Lot No. 9 S.L.T. Co. Lot No. 23

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date

Sampled By The Salt Lake Tungsten Co. Date 12/15/53 Report No.

Assayed By Union Assay Office Date 12/23/53 Report No. 24

Truck Young Gross Lbs. 36,370 Tare Lbs. 2,330 Wet Wt. Lbs. 34,040

Assay 2.80 % Moisture 24.37 % Lbs. 8,296

41 Bbls. (Assays same as Lot #8 Composite Sample) Dry Weight Lbs. 25,744

Dry Tons 12.872 Settlement Assay 2.80 % Total Contained Units 36.042

SETTLEMENT

					Gross Value
Contained Units	36.042	x	$63.00 =	$ 2,270.65	
Less Deductions:					
Losses	($ 6.30)		$227.07		
Sampling Charges					
Refinery Charge	$ 13.50		$486.57		
Freight Charges					
Advances					
			Total Deductions	$ 713.64	
			Net Settlement	$ 1,557.01	

Date Paid

Vo. No.:

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 1/20/54 Shippers Lot No. 10 S.L.T. Co. Lot No. 27

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date

Sampled By The Salt Lake Tungsten Co. Date 12/22/53 Report No.

Assayed By Union Assay Office Date 12/29/53 Report No. 38

Truck Young Gross Lbs. 62,130 Tare Lbs. 28,200 Wet Wt. Lbs. 33,930

Assay 3.62 % Moisture 20.45 % Lbs. 6,939

Dry Weight Lbs. 26,991.

Dry Tons 13.495 Settlement Assay 3.62 % Total Contained Units 48,852

SETTLEMENT

Contained Units	48.852	x	$63.00	=	$ 3,077.68	Gross Value
Less Deductions:						
Losses	~~$6.30~~		~~$307.77~~			
Sampling Charges						
Refinery Charge	$13.50		$659.50			
Freight Charges						
Advances						
				Total Deductions	$ 967.27	
				Net Settlement	$ 2,110.41	

Date Paid

Vo. No.:

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

DEPARTMENT OF ...
Defense Minerals ...
RECEIVED
JAN 10 1955

Date 1/21/54 Shippers Lot No. 11 S.L.T. Co. Lot No. 29

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date

Sampled By The Salt Lake Tungsten Co Date 12/28/53 Report No.

Assayed By Union Assay Office Date 1/ 7/54 Report No. 62

Truck Young Gross Lbs. 36,810 Tare Lbs. 2,100 Wet Wt. Lbs. 34,710

42 Barrels Assay 2.00 % Moisture 18.37 % Lbs. 6,376

Dry Weight Lbs. 28,334

Dry Tons 14.167 Settlement Assay 2.00 % Total Contained Units 28.334

SETTLEMENT

Contained Units	28.334	x	$63.00	=	$ 1,785.04	Gross Value
Less Deductions:						
Losses	$11.50		$325.84			
Sampling Charges						
Refinery Charge	$13.50		$382.51			
Freight Charges						
Advances						
				Total Deductions	$ 708.35	
				Net Settlement	$1,076.69	

Date Paid
Vo. No.:

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 1/21/54 Shippers Lot No. 12 S.L.T. Co. Lot No. 31

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date

Sampled By The Salt Lake Tungsten Co. Date 12/30/53 Report No.

Assayed By Union Assay Office Date 1/ 7/54 Report No. 63

Truck Young Gross Lbs. 33,320 Tare Lbs. 2,460 Wet Wt. Lbs. 30,860

41 Barrels Assay 2.87 % Moisture 21.98 % Lbs. 6,783

Dry Weight Lbs. 24,077

Dry Tons 12.039 Settlement Assay 2.87 % Total Contained Units 34,552

SETTLEMENT

Contained Units	34.552	x	$63.00	=	$ 2,176.78	Gross Value
Less Deductions:						
Losses	$11.50		$397.35			
Sampling Charges						
Refinery Charge	$13.50		$466.45			
Freight Charges						
Advances						

Total Deductions $ 863.80

Net Settlement $ 1,312.98

Date Paid

Vo. No.:

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 1/21/54 Shippers Lot No. 12-A S.L.T. Co. Lot No. 31-A

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date 12/31/53

Sampled By The Salt Lake Tungsten Co. Date 12/31/53 Report No.

Assayed By Union Assay Office Date 1/13/54 Report No. 74

Truck M. E. Co. Gross Lbs. 19,410 Tare Lbs. 1,440 Wet Wt. Lbs. 17,970

Assay 3.02 % Moisture 15.07 % Lbs. 2,852

24 Barrels Dry Weight Lbs. 15,118

Dry Tons 7.559 Settlement Assay 3.02 % Total Contained Units 22.828

SETTLEMENT

Contained Units	22.828	x	$63.00	=	$ 1,438.16	Gross Value
Less Deductions:						
Losses	$ 6.30		$143.82			
Sampling Charges						
Refinery Charge	$13.50		$308.18			
Freight Charges						
Advances						
			Total Deductions		$ 452.00	
			Net Settlement		$ 986.16	

Date Paid

Vo. No.:

DEPARTMENT OF THE ARMY
Defense Minerals Administration
RECEIVED
JAN 10 1955

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 1/21/54 Shippers Lot No. 14 S.L.T. Co. Lot No. 34

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date 1/2/54

Sampled By The Salt Lake Tungsten Co. Date 1/2/54 Report No.

Assayed By Union Assay Office Date 1/7/54 Report No. 65

Truck Young Gross Lbs. 35,452 Tare Lbs. 2,580 Wet Wt. Lbs. 32,872

43 Barrels Assay 4.27 % Moisture 18.45 % Lbs. 6,065

Dry Weight Lbs. 26,807

Dry Tons 13.404 Settlement Assay 4.27 % Total Contained Units 57.235

SETTLEMENT

Contained Units	57.235	x	$63.00	=	$ 3,605.81	Gross Value
Less Deductions:						
Losses	$ 6.30		$360.58			
Sampling Charges						
Refinery Charge	13.50		$772.67			
Freight Charges						
Advances						
				Total Deductions	$ 1,133.25	
				Net Settlement	$ 2,472.56	

Date Paid
Vo. No.:

Corrected

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date March 15, 1954 Shippers Lot No. Lots 20-34; S.L.T. Co. Lot No. 6L to 18-L

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date January 12 to 29, 1954

Sampled By Salt Lake Tungsten Co. Date Report No.

Assayed By Union Assay Office, Inc. Date Report No.

Truck Gross Lbs. Tare Lbs. Wet Wt. Lbs. 338,870

Assay Moisture Lbs. 49,042

Dry Weight Lbs. 289.828

Dry Tons 144.916 Settlement Assay 3.182% Total Contained Units 461.118

SETTLEMENT

Contained Units	461.118	x	$63.00	=	$ 29,050.43	Gross Value
Less Deductions:						
Losses	$ 6.30		$2,905.04			
Sampling Charges						
Refinery Charge	19.77		9,116.30			
Freight Charges						
Advances						

4,000 % Treatment Chg.

3.182

.818 % Under 4.% @ $.40 for Each .10% = 16.50

3.27

19.77

Total Deductions $ 12,021.34

Net Settlement $ 17,029.09

Date Paid

Vo. No.:

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 1/21/54 Shippers Lot No. 19 S.L.T. Co. Lot No. 43

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date 1/11/54

Sampled By The Salt Lake Tungsten Co. Date 1/11/54 Report No.

Assayed By Union Assay Office Date 1/13/54 Report No. 83

Truck Young Gross Lbs. 36,440 Tare Lbs. 2,820 Wet Wt. Lbs. 33,620

Assay 3.67 % Moisture 13.26 % Lbs. 4,458

47 Barrels Dry Weight Lbs. 29,162

Dry Tons 14.581 Settlement Assay 3.67 % Total Contained Units 53.512

SETTLEMENT

Contained Units	53.512	x	$63.00	=	$ 3,371.26 Gross Value
Less Deductions:					
Losses	$ 6.30		$337.13		
Sampling Charges					
Refinery Charge	13.50		722.41		
Freight Charges					
Advances					
				Total Deductions	$ 1,059.54
				Net Settlement	$ 2,311.72

Date Paid
Vo. No.:

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 1/21/54 Shippers Lot No. 18 S.L.T. Co. Lot No. 41

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date 1/9/54

Sampled By The Salt Lake Tungsten Co. Date 1/9/54 Report No.

Assayed By Union Assay Office Date 1/13/54 Report No. 81

Truck M. E. Co. Gross Lbs. 20,460 Tare Lbs. 1,500 Wet Wt. Lbs. 18,960

25 Barrels Assay 3.42 % Moisture 14.37 % Lbs. 2,725

Dry Weight Lbs. 16,235

Dry Tons 8.118 Settlement Assay 3.42 % Total Contained Units 27,764

SETTLEMENT

Contained Units	27.764	x	$63.00	= $ 1,749.13	Gross Value
Less Deductions:					
Losses	$ 6.30		$174.91		
Sampling Charges					
Refinery Charge	$13.50		$374.81		
Freight Charges					
Advances					
				Total Deductions	$ 549.72
				Net Settlement	$ 1,199.41

Date Paid

Vo. No.:

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 1/21/54 Shippers Lot No. 17 S.L.T. Co. Lot No. 39

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date 1/9/54

Sampled By The Salt Lake Tungsten Co. Date 1/9/54 Report No.

Assayed By Union Assay Office Date 1/13/54 Report No. 79

Truck Young Gross Lbs. 15,020 Tare Lbs. 1,440 Wet Wt. Lbs. 13,580

19 Barrels Assay 5.39 % Moisture 15.17 % Lbs. 2,060

Dry Weight Lbs. 11,520

Dry Tons 5.760 Settlement Assay 5.19% Total Contained Units 29,894

SETTLEMENT

					Gross Value
Contained Units	29.894	x	$63.00	=	$ 1,883.32
Less Deductions:					
Losses	$ 6.30		$188.33		
Refinery ~~Sampling~~ Charges	$ 13.50		$403.57		
Refinery Charge					
Freight Charges					
Advances					
			Total Deductions		$ 591.90
			Net Settlement		$ 1,291.42

Date Paid
Vo. No.:

Bureau of Mines
APR 10 1955

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 1/21/54 Shippers Lot No. 16 S.L.T. Co. Lot No. 38

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date 1/7/54

Sampled By The Salt Lake Tungsten Co. Date 1/7/54 Report No.

Assayed By Union Assay Office Date 1/13/54 Report No. 78

Truck M. E. Co. Gross Lbs. 18,250 Tare Lbs. 1,440 Wet Wt. Lbs. 16,810

24 Barrels Assay 5.58 % Moisture 14.14 % Lbs. 2,377

Dry Weight Lbs. 14,433

Dry Tons 7.216 Settlement Assay 5.58 % Total Contained Units 40.265

SETTLEMENT

Contained Units	40.265	x	$63.00	=	$ 5,536.70	Gross Value
Less Deductions:						
Losses	$ 6.30		$253.67			
Sampling Charges						
Refinery Charge	$13.50		$543.58			
Freight Charges						
Advances						
			Total Deductions		$ 797.25	
			Net Settlement		$ 1,739.45	

Date Paid
Vo. No.:

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 1/21/54 Shippers Lot No. 15 S.L.T. Co. Lot No. 36

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date 1/6/54

Sampled By The Salt Lake Tungsten Co Date 1/6/54 Report No.

Assayed By Union Assay Office Date 1/13/54 Report No. 76

Truck Young Gross Lbs. 34,150 Tare Lbs. 2,520 Wet Wt. Lbs. 31,660

42 Barrels Assay 5.23 % Moisture 21.98 % Lbs. 6,959

Dry Weight Lbs. 24,701

Dry Tons 12.351 Settlement Assay 5.33 % Total Contained Units 65.831

SETTLEMENT

Contained Units	65.831	x	$63.00	=	$ 4,147.35	Gross Value
Less Deductions:						
Losses	$ 6.30		$414.74			
Sampling Charges						
Refinery Charge	$ 13.50		$888.72			
Freight Charges						
Advances						
			Total Deductions		$ 1,303.46	
			Net Settlement		$ 2,843.89	

Date Paid

Vo. No.:

Department of the Interior
Defense Minerals Administration
RECEIVED
JAN 10 1955

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 3/24/54 Shippers Lot No. 56 41-L S.L.T. Co. Lot No. 101

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date 3/12/54

Sampled By The Salt Lake Tungsten Company / Date 3/12/54 Report No.

Assayed By Union Assay Office, Inc. Date 3/17/54 Report No. 252

~~Truck~~ R.R. Car M.E. Co. Gross Lbs. 42,150 Tare Lbs. 22,760 Wet Wt. Lbs. 19,390

Assay 9.28 % Moisture 15.16 % Lbs. 2,940

Dry Weight Lbs. 16,450

Dry Tons 8.225 Settlement Assay 9.28 % Total Contained Units 76.328

SETTLEMENT

Contained Units	76.328	x	$63.00	=	$ 4,808.66	Gross Value
Less Deductions:						
Losses	$ 6.30		$480.87			
Sampling Charges						
Refinery Charge	$13.50		$1,030.43			
Freight Charges						
Advances						
				Total Deductions	$ 1,511.30	
				Net Settlement	$ 3,297.36	

Pledged to Bank in March for $2,637.89; repaid from GSA settlements in June.

Date Paid
Vo. No.:

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 3/24/54 Shippers Lot No. 57 40-L S.L.T. Co. Lot No. 102

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date 3/13/54

Sampled By The Salt Lake Tungsten Company / Date 3/13/54 Report No.

Assayed By Union Assay Office, Inc. Date 3/17/54 Report No. 253

R.R. Car ~~Truck~~ UP-161028 Gross Lbs. 167,480 Tare Lbs. 60,100 Wet Wt. Lbs. 107,380

Assay 7.58 % Moisture 13.18 % Lbs. 14,152

Dry Weight Lbs. 93,228

Dry Tons 46.614 Settlement Assay 7.58 % Total Contained Units 353.334

SETTLEMENT

Contained Units	353.334	x	$63.00	= $ 22,260.04	Gross Value
Loss Deductions:					
Losses	$ 6.30		$2,226.00		Pledged to Bank in March for $12,211.22; repaid from GSA settlements in June.
Sampling Charges					
Refinery Charge	$13.50		$4,770.01		
Freight Charges					
Advances					
			Total Deductions	$ 6,996.01	
			Net Settlement	$ 15,264.03	

Date Paid

Vo. No.:

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 10 1955

THE SALT LAKE TUNGSTEN COMPANY

Concentrate Settlement Sheet

Date 2/13/54 Shippers Lot No. 69-76 19-L to 25-L / S.L.T. Co. Lot No.

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date Various

Sampled By The Salt Lake Tungsten Company / Date Report No.

Assayed By Union Assay Office, Inc. Date Report No.

Truck	Gross Lbs.	Tare Lbs.	Wet Wt. Lbs.	182,214
	Assay	Moisture	Lbs.	31,563
			Dry Weight Lbs.	150,651

Dry Tons 75.327 x Settlement Assay 3.896 % Total Contained Units 293.487

SETTLEMENT

Contained Units	293.487	x $63.00 =	$ 18,489.68	Gross Value
Less Deductions:				
Losses	$ 6.30		$1,848.97	Pledged to Bank in February for $9,339.93; repaid from GSA June settlements.
Sampling Charges				
Refinery Charge	$16.92		$4,965.80	
Freight Charges				
Advances				

Total Deductions $ 6,814.77

Net Settlement $ 11,674.91

4.000%
3.896
.104% Below 4% @ $.40 for Each .10%
$16.50
.42
$16.92

Date Paid
Vo. No.

THE SALT LAKE TUNGSTEN COMPANY

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 10 1955

Concentrate Settlement Sheet
Average Settlement

Date 2/18/54 Shippers Lot No. 43-47,27L-31L S.L.T. Co. Lot No.

Shipper Minerals Engineering Company

Shipped From Glen, Montana Date Various

Sampled By The Salt Lake Tungsten Company / Date Report No.

Assayed By Union Assay Office, Inc. Date Report No.

Truck	Gross Lbs.	Tare Lbs.	Wet Wt. Lbs.	140,770
	Assay	Moisture	Lbs.	25,500
			Dry Weight Lbs.	115,270

Dry Tons 57.636 x Settlement Assay 4.085 Total Contained Units 235.478

SETTLEMENT

Contained Units	235.478	x	$63.00	=	$ 14,835.11 Gross Value
Less Deductions:					
Losses	$ 6.30		$1,483.51		Pledged to Bank in February for $7,620.06; repaid from GSA June Settlements.
Sampling Charges					
Refinery Charge	$16.25		$3.826.52		
Freight Charges					
Advances					
				Total Deductions	$ 5,310.03
				Net Settlement	$ 9,525.08

5.000
4.085
.915% Below 5% @ $.30 for Each .10% $13.50
2.75
$16.25

Date Paid
Vo. No.:

400

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 5 1955

xxxxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

January 3, 1955

WSay

Mrs. Myrtle Purdy, Certifying Officer
DMEA Field Team, Region II
1201 North Division Street
Spokane 2, Washington

Re: Docket No. DMEA-2292
American Alloy Metals, Inc.
Contract No. Idm-E247

Dear Mrs. Purdy:

Attached is Check No. A 7516 received from Minerals Engineering Co. dated December 29, 1954, in the amount of $12,500.00. This check should be credited to the account of the cited contract.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Attachment as indicated

cc: DMEA

Received attachment _____
date

Myrtle Purdy

Royalty