

TRP METALLURGICAL BALANCE
(C.I.L.)

DATE: AUG. 31, 1988

DAY

RECOVERIES (%)	COMBINED GRADES oz/Ton Au.	AVAILABILITY (HRS/%)
SOLIDS		
DISSOLUTION 29.16	HEADS 0.071	OP.HRS.(BUDG) 24.0
ADSORPTION 78.10	TAILS 0.054	OP.HRS.(ACT) 24.0
TOTAL 24.89	CIL RECOVERY	AVAIL.(%) 100.0
	TO CARBON 142.40 oz.	DOWNTIME(HRS) 0.00
NO DOWNTIME.		
CIL FEED SOLUTION ASSAY:	0.0072	

MONTH TO DATE

RECOVERIES (%)	COMBINED GRADES oz/Ton Au..	AVAILABILITY (HRS/%)
SOLIDS 29.02	HEADS 0.075	OP.HRS.(BUDG) 744
SOLUTION 61.10	TAILS 0.061	OP.HRS.(ACT) 699.73
TOTAL 19.04	CIL RECOVERY	AVAIL.(%) 94.0
	TO CARBON 3070.86 oz.	DOWNTIME(HRS) 44.27

RECOVERIES (%)	COMBINED GRADES oz/Ton Au..	AVAILABILITY (HRS/%)
SOLIDS 31.11	HEADS 0.081	OP.HRS.(BUDG) 2952
SOLUTION 65.72	TAILS 0.063	OP.HRS.(ACT) 2660.3
TOTAL 21.76	CIL RECOVERY	AVAIL.(%) 90.1
	TO CARBON 11507.40 oz.	DOWNTIME(HRS) 291.7

**TRP METALLURGICAL BALANCE
(C.I.L.)**

**DAY

DATE: AUG. 31, 1988

FEED :				RECLAIM SOLUTION			TOTAL
Tons	Percent Solids	Ounces Au/Ton	Ounces Au.	Tons	Ounces Au/Ton	Ounces Au.	Ounces Au.
8030	41.09	0.069	550.22	11513.5	0.0019	21.88	572.10
TAILS :				TAILS SOLUTION			TOTAL
8030	41.09	0.049	389.77	11513.5	0.0035	39.92	429.69

**MONTH TO DATE

FEED :				RECLAIM SOLUTION			TOTAL
Tons	Percent Solids	Ounces Au/Ton	Ounces Au.	Tons	Ounces Au/Ton	Ounces Au.	Ounces Au.
215025	36.16	0.073	15639.58	379573.3	0.0013	486.67	16126.26
TAILS :				TAILS SOLUTION			TOTAL
215025	36.16	0.052	11100.33	379573.3	0.0052	1955.07	13055.40

**YEAR TO DATE

FEED :				RECLAIM SOLUTION			TOTAL
Tons	Percent Solids	Ounces Au/Ton	Ounces Au.	Tons	Ounces Au/Ton	Ounces Au.	Ounces Au.
656655.7	31.58	0.078	51364.61	1422753.4	0.0011	1529.85	52894.47
TAILS :				TAILS SOLUTION			TOTAL
656655.7	31.58	0.054	35384.79	1422753.4	0.004	6002.28	41387.07

**TRP METALLURGICAL BALANCE
(STRIP CIRCUIT)**

DAY (BATCH No.88-13)

DATE: AUG. 31, 1988

TONS OF CARBON (EST.)	LOADED CARBON		STRIPPED CARBON		CATHODE RECOVERED
	oz Au/TON	oz Au	oz Au/TON	oz Au	oz Au
0.000	0.000	0.000	0.000	0.000	0.000

STRIP CIRCUIT RECOVERY: ERR
MONTH (BATCH Nos.88-01 TO 88-13)

TONS OF CARBON (EST.)	LOADED CARBON		STRIPPED CARBON		CATHODE RECOVERED
	oz Au/TON	oz Au	oz Au/TON	oz Au	oz Au
55.875	40.902	2285.408	3.508	196.000	2089.408

STRIP CIRCUIT RECOVERY: 91.42

YEAR (BATCH Nos.88-01 TO 88-13)

TONS OF CARBON (EST.)	LOADED CARBON		STRIPPED CARBON		CATHODE RECOVERED
	oz Au/TON	oz Au	oz Au/TON	oz Au	oz Au
55.875	40.902	2285.408	3.508	196.000	2089.408

STRIP CIRCUIT RECOVERY: 91.42

TRP BULLION PRODUCED

AUGUST 1988 (BAR Nos. TRP-001 TO TRP-002)

TOTAL WEIGHT	ASSAY FINENESS		TROY OUNCES	
	GOLD	SILVER	GOLD	SILVER
1,501.471	680.808	186.730	1,022.213	280.370

YEAR TO DATE (BAR Nos. TRP-001 TO TRP-002)

TOTAL WEIGHT	ASSAY FINENESS		TROY OUNCES	
	GOLD	SILVER	GOLD	SILVER
1,501.471	680.808	186.730	1,022.213	280.370

CATHODES CURRENTLY CONTAIN (ozs Au): 1067.195

ESTIMATED CIL CARBON GOLD INVENTORY

DATE:
AUG. 31, 1988

DAY

FROM INVENTORY	TO INVENTORY		NET CHANGE
CARBON TO STRIP oz Au	CIL RECOVERY TO CARBON oz Au	STRIPPED CARBON oz Au	PLUS (MINUS) oz Au
0.00	142.40	0.00	142.4

MONTH

FROM INVENTORY	TO INVENTORY		NET CHANGE
CARBON TO STRIP oz Au	CIL RECOVERY TO CARBON oz Au	STRIPPED CARBON oz Au	PLUS (MINUS) oz Au
2285.408	3070.84	196	981.432

YEAR

FROM INVENTORY	TO INVENTORY		NET CHANGE
CARBON TO STRIP oz Au	CIL RECOVERY TO CARBON oz Au	STRIPPED CARBON oz Au	PLUS (MINUS) oz Au
2285.408	11507.38	196	9417.972

CURRENT CIL CARBON GOLD INVENTORY oz Au: 9417.972

METALLURGICAL BALANCE VS TANK SAMPLE INVENTORY
AUG. 31, 1988

CIL TANK NUMBER	WEIGHTS		ASSAY ozs Au/ton	TOTAL ozs Au
	gms/L	TONS		
1	21.10	61.85	58.90	3643.192
2	8.60	25.21	48.10	1212.629
3	16.90	49.54	35.30	1748.822
4	8.60	25.21	25.40	640.349
5	21.10	61.85	20.40	1261.819
6	13.80	40.45	16.60	671.539
TOTAL		264.12		9178.35
AVERAGE	15.02		34.75	

	CIL CARBON oz Au	INVENTORY TONS CARBON	INVENTORY oz Au/TON
FROM MET. BALANCE	9,417.972	263.14	35.79
FROM TANK SAMPLING	9,178.349	264.12	34.75
DIFFERENCE	239.623	-0.99	1.04

TONS OF FRESH CARBON ADDED TO DATE: 263.137

CIL TANK PROFILE

TANK FEED	ASSAY SOLIDS	oz Au/TON SOLUTION	pH	CN lb/ton	% SOLIDS	D.O. mg/l
SURGE			10.12		42.00	8.40
1	0.063	0.008	9.75	0.05	42.00	6.80
2	0.051	0.008	10.09	0.20	39.00	10.20
3	0.050	0.008	10.17	0.30	39.00	10.40
4	0.050	0.008	10.34	0.50	39.00	10.30
5	0.048	0.007	10.20	0.50	38.50	10.50
6	0.047	0.007	10.15	0.40	41.00	10.20

REAGENT CONSUMPTION - AUGUST 1988

REAGENT	MONTH		YEAR TO DATE	
	LBS *(LITRES)	LBS/TON *(LITRES/TON)	LBS	LBS/TON
1 PROPANE	48,754	0.227	70,863	0.108
2 CARBON	83,775	0.390	100,310	0.153
3 LIME	333,305	1.550	546,869	0.833
MURIATIC ACID	2,491	0.012	4,484	0.007
CAUSTIC SODA	39,187	0.182	88,294	0.134
SODIUM CYANIDE	135,000	0.628	574,349	0.875
STEEL WOOL	35	---	95	---

- Quantity of propane used but paid for on capital - 23,243 litres
Quantity of propane used - charged to operations - 25,511

TOTAL USED IN AUGUST 48,754

- This represents carbon added to CIL tanks during August and YTD excluding the initial loading of 212.744 tons (425,488 lbs).
- Lime consumption for past 2 months was low due to reading incorrectly.

DOWNTIME RECORD

AUGUST 1988

DATE	HOURS DOWN	DESCRIPTION
Aug. 3	0.9	CIL feed pump ground fault alarm.
Aug. 4	3.8	Low feed.
Aug. 5	1.3	Power failure.
Aug. 7	2.7	Cleaning launder screens.
Aug. 8	0.4	Cleaning launder screens.
Aug. 9	0.6	Vibration tests on surge tanks.
Aug. 12	0.7	Power failure.
Aug. 14	0.2	Low feed.
Aug. 15	1.9	Moving Toyo pumps.
Aug. 18	2.0	1.0 hrs power failure, 1.0 hrs low feed supply.
Aug. 19	4.67	Low feed supply.
Aug. 20	1.00	Low feed.
Aug. 21	1.00	No leach air.
Aug. 24	0.6	Cyanide line plugged.
Aug. 25	10.70	1.5 hrs power failure; cyanide line plugged, plugged launder screens from power outage.
Aug. 26	<u>11.80</u>	power outage.
TOTAL	44.27	