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Item 17

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Lovelock, Nevada  
October 12, 1943

Mr. T. B. Nolan  
U. S. Geological Survey  
Washington, D. C.

Dear Mr. Nolan:

Subject: Operations of Rare Metals Corp. between July 1 and October 10, 1943.

Long Tungsten mine: On October 10 Peter Joralemon and I visited the Long Tungsten mine and revised to date the maps of underground workings. Since July 1, about 3000 tons of ore averaging between 0.5 and 0.6%  $WO_3$  were mined. Fifteen hundred tons were mined from a very gently dipping stope along the south limb of the syncline between the "30'" level of the South workings and the surface, and about 750 tons were mined from the steeply dipping north limb. Underhand stoping from beneath the central pillar has just been started. This ore has averaged between 0.6 and 0.75%  $WO_3$ .

About 750 tons of 0.4-0.5%  $WO_3$  ore have been mined from stopes in the North ore body between the adit and the surface. A winze, now 20' deep, is being sunk in the best part of this ore body, but even here a 4' width does not average more than 0.4%  $WO_3$ .

I measure only 2000 tons of ore that can be mined from the South ore body. Unless grade of ore in the North body improves materially, it is probable that only 500 or 1000 tons will be mined from below the level, for only a limited amount of this low-grade ore can profitably be mixed with the richer ore from the South body. At the present rate of mining, this reserve of ore will probably be exhausted and the mine abandoned early in 1944.

Meyer Lease: In July, Rare Metals Corp. obtained a lease on the Leopold Meyer Tungsten property in the Nightingale Range. During the past month three men have been employed at this property. Three raises are being driven in ore between the middle and upper adits. Fred Johnson, Superintendent, estimates that the several hundred tons of ore already broken average 1.25%  $WO_3$ . Ore will be stockpiled until a road being built to the property is completed. It is probable that this road will be completed by the end of the year, and that the Meyer lease will then supplant the Long mine as the chief source of ore for the Toulon mill.

Toulon mill: On account of delay in obtaining certain necessary equipment, the Toulon flotation plant has not yet been put into operation. Mr. John Heizer believes that the plant will be completed and that treatment of accumulated Toulon (mostly Greana and Long) tailings will begin during November.

Sincerely yours,



T. B. Nolan  
D. M. Lemmon  
File

M. R. Klepper