



**Yukon
Territory
Water Board**

**Office des eaux
du Territoire
du Yukon**

July 16, 2001

Expatriate Resources Ltd.
701 - 475 Howe Street
Vancouver, BC
V6C 2B3

To: Justin Himmelright

RE: QZ01-051, Request for Additional Information

This letter contains questions which reflect the discussions which took place during a meeting on July 9, 2001. The following parties were present at the meeting:

Yukon Territory Water Board

Kelly Boutilier - Licensing Officer, Non Placer

Robert Lorimer - Technical Consultant for the Yukon Territory Water Board

Expatriate Resources Ltd.

Justin Himmelright - Manager of Environment

Don McCallum - Gartner Lee

Please submit the following information:

1. If treatment of drainage from the waste rock is found to be required, what will it be and how will it be carried out? What criteria will be used to make the determination of whether treatment will be required? Will the treatment address all parameters of concern? (Ref: Page 6, paragraph 6)
2. If permanent storage of the waste rock is found to be required, how will it be done? What criteria will be used to make the determination? (Ref: Page 6, paragraph 7)
3. How will returning the PAG waste rock to the underground workings eliminate ARD? When and how will the determination be made to take this action? (Ref: Page 8, paragraph 7)
4. Additional detail is required regarding the proposed temporary waste rock containment facility. Information is required regarding the specific components of the facility: what are they; how will they be installed; and what criteria will be used to assess their need and decide on their installation?

5. What methods will be used to prevent precipitation from penetrating the cover of the waste rock containment facility and accessing the PAG rock?
6. What is "acceptable quality" with regard to the drainage from the waste rock? (Ref: Page 9, paragraph 1)
7. What are the specific discharge criteria for the drainage from the waste rock? (Ref: Page 9, paragraph 3)
8. What are the specific CCME criteria that are proposed to be applied? Where and how are they proposed to be applied? (Ref: Page 10, paragraph 4)
9. On what basis will it be determined, if the groundwater requires treatment prior to discharge? It seems that there is no concern about the potential for ARD from the underground workings. Please explain. (Ref: Page 12, paragraph 2)
10. What investigations have been carried out of the "naturally contained channel"? Why does it show "no signs of surface flow"? Does it have seasonal flow? Underground flow? (Ref: Page 14, paragraph 4)
11. The application requires a quantity of water to be used, measured in cubic metres per day. This total amount should reflect the water uses described within the application, as well as, the amount of groundwater to be dewatered from the underground development.
12. What is "permanent disposal"? When and on what specific basis will it be decided to undertake this step? (Ref: Page 15, paragraph 3)
13. What criteria will be used to decide on the need for liners for the waste rock dump and the wash plant pond? What would constitute an acceptable foundation condition that would not require a liner? What assessment of foundation conditions has been carried out so far? What type of liner(s) would be used?
14. What design criteria have been applied to the interceptor ditch surrounding the waste rock containment facility?
15. Describe and characterize the wetland area that feeds Little Wolverine Creek. Explain how the wetland will attenuate metals and what the long-term management plan is. (Ref: Appendix A, page 6)
16. What are the specific MMLER criteria that are proposed to be applied to seepage from the waste rock, and where and how are they proposed to be applied? (Ref: Appendix A, page 7)

17. What is the water quality in Little Wolverine Creek? (Ref: Appendix A, page 6)
18. What criteria will be used to identify PAG and NPAG? What processes will be used to separate the two types of material during the operation?
19. What information has been collected regarding fisheries values in the downstream watercourses?
20. Please confirm which access route is proposed. Please confirm whether or not there are watercourse crossings on this route that will require a water use licence.
21. What is the anticipated length of time before exposed PAG rock is expected to begin generating ARD?
22. What is the proposed capacity of the seepage collection sump at the waste rock containment facility? On what basis was the capacity determined? What type of structure is proposed?
23. Please provide additional information regarding the settling pond decant structure indicated in Figure 9. What type of structure is proposed and how is it sized? Under what conditions does it discharge to the environment and what is that environment?

If you have any questions, please contact me collect at (867) 667-3980.

Sincerely,



Kelly Boutilier
Licensing Officer
Non Placer