

**SCHEDULE FOR DEVELOPMENT  
OF A CLOSURES PLAN  
FOR THE FARO MINE**

**PROJECTS UNDERWAY**

Write-up on test pit program field results for 1989 season. A Purchase Order has been issued for this by Eric Soprovich to SRK for McClenahan to prepare this report. The report is to be a thorough and detailed document to scientific reporting standards which can be submitted to the Waterboard and also to MEND. Included in the report will be a suggested framework for all future reporting so that the reporting is complete and is in a format which can be used to quickly update an overall progress report on the project.

**BY EARLY APRIL**

**Modelling**

There need to be intial runs on modelling using the preliminary data from the test pit project, the main purpose being to calibrate and assess the applicability of models, discover the pitfalls in the models, their shortcomings and, if necessary, propose modifications to model types. Considered will be:

**RATAP, model of tailings acid generation**

We need to check the usability at Faro, we hope it works, it is not designed for tailings with neutralization potential. If any modifications are needed then this would be sub-contracted to Senes Consultants.

**Linear Dispursion Models**

These would be canned models off the shelf like WAT 4, etc. These are fairly standard models however there will be some question of the values of the parameters to be used and the manner in whic the Linear Dispursion Models can be linked with the RATAP output.

**Linked Modular Dilution Model**

This will be a model similar to the Vangorda Plateau dilution model. This isolates all the major components of contributing to surface and groundwater flow at the minesite from the head of Faro Creek, Upper North Fork and South Fork of Rose, right down to the tailings and past down to Rose Creek, Anvil Creek and the Pelly River.

As part of this overall modelling exercise we will be assessing information gaps and then laying out a plan to fill any gaps identified. A budget for this program is estimated to be less than \$10,000.00 for first stage and a more extensive proposal will be following from SRK for future modelling needs the closure plan development. Participants would be R. McLenehan would be Project Leader for SRK, also participating would be Tony Dearing, who would be looking after the mathematical aspects of the modelling. Andy Robertson would be overseeing the entire project and keeping a close leash on things.

#### **REHASH OF THE 60601 CONCEPTUAL CLOSURE PLAN**

Participants would be Godfrey MacDonald, myself and Andy Robertson as well as anyone else who might be relevant. The object would be to assess information gaps and make sure that all the various scenarios proposed for closure are complete; to lay out a plan to fill in any gaps identified in the data, especially if new scenarios are added to the plan. The object will be to update 60601, enlarge it to include any new ideas plus enlarge its scope to consider the entire minesite not just the tailings (although closure plan will be only for the tailings). We will have to assess all the options and present pros and cons. One of the objectives will be to put together enough information on sizes, areas, volumes, etc. to allow costing in short order after the meeting. The ultimate objective will be to present to management a report outlining the spectrum of scenarios and the cost intentent in each of the options.

#### **LATER IN THE SUMMER**

We have extensive field investigations to be carried out. For the hydrogeochemistry component we may have to do  $K_0$  tests (shake tests in a flask). This may require sampling with a backhoe or a drill if deeper samples are required. We need extensive groundwater quality information from Eric Soprovich. We need temperature and  $O_2/CO_2$  profiles from drillholes in the tailings area. We need detailed topographic mapping of the tailings area from Faro Engineering.

#### **DURING THE APRIL-OCTOBER PERIOD OFFICE STUDIES**

We need to devise the closure plan, a physical plan for the actual items to be implemented. It should cover a selected number of options identified in April and March from the complete spectrum of options. Evaluate the impact, in a preliminary fashion, of the plan incorporating the preliminary modelling carried out by

April. Write a draft report incorporating the description of the plans and the evaluation of the impact. Also required during this period may be some literature review on modelling.

**IN NOVEMBER -**  
**AFTER THE SUMMER FIELD WORK AND ANALYTICAL PERIOD**

Plug in new parameters to the models evaluated in April. New parameters from the summer field work, from literature review and revisions of literature parameters based on initial modelling. Re-model and evaluate in more detail the impact of the various plans.

**BY OCTOBER - NOVEMBER**

Produce an internal draft of the report providing cost benefit analysis; distribute in the Company and review for suitability. After that we may need a major rehash and revision of the report

**BY MARCH, 1991**

Finalize report and submit to WaterBoard. Prepare reponse to funding demands in light of costs and commitments to WaterBoard.

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