

20.0 RECOMMENDATIONS

The Nkamouna Project Final Feasibility Study dated November 2007 provides reasonable results and conclusions and, in PAH's opinion, meets the requirements of a Feasibility Study. As the project moves from the feasibility stage into the design and construction phases there are areas of the project that should be given additional consideration beyond what is required for a feasibility level study. Below is a list of recommendations to consider as the Nkamouna project advances:

- 1) A procedure to determine PUG recovery factors for use in grade control should be evaluated. Laboratory methods for measuring the PUG grade should be developed. A simple series of bottle-roll tests may be sufficient. Costs for completing the analysis should be less than \$50,000.
- 2) A trenching has been developed through part of the deposit. Further testwork to confirm the correlation between holes, to evaluate the shape of the formation contacts, and to establish grade control requirements is warranted. Sample preparation and assaying should be less than \$50,000.
- 3) Further evaluation and refinement of the index surface used to define the top of mineralization for the TOMI model discussed in Section 17 should be evaluated. This may also include testing of other indexing methods such as indexing to the top of the high grade zone that sits near the top of mineralization. Results should be obtained from items 1 and 2 to assist in determining the best indexing surface. Costs for completing the analysis should be less than \$50,000.
- 4) The Detailed Design Study will develop a more detailed cost estimate for the infrastructure, PUG plant, Metal Recovery Plant, and CHP and develop construction drawings. This should also provide better operating cost. Costs for completing the Detailed Design Study are estimated at \$5.0 million.
- 5) Additional hydrological studies to determine mine dewatering requirements, pumping equipment, and discharge volumes should be undertaken. Evaluation of stormwater runoff volumes, diversion ditch locations, and mitigation measures should be included in the Detailed Design Study. Costs for hydrologic studies are estimated to be \$50,000.
- 6) It is assumed that breccias that don't meet the ore grade requirements can be used for road construction material. The Detailed Design Study should quantify the road construction requirements. This work would be completed under the Detailed Design Study costs under item 2.
- 7) The tailings design is at a prefeasibility level and as such a more detailed investigation could have an impact on construction costs. Detailed design for the tailings facility is estimated at \$300,000.
- 8) The manganese production option needs to be further evaluated for installation when the plant approaches design capacity and markets for such a product are established with confidence. This is a discretionary evaluation with upside potential for the project. It should be evaluated after the Detailed Design Study is completed.