

27 July 2009

Metallurgical Testwork Completed for the John Fardy Project

Sultan Corporation Limited (ASX:SSC) is pleased to advise that it has received excellent results from the metallurgical testwork program based on samples obtained from its John Fardy project in New South Wales.

Highlights include:

- Metallurgical recovery in excess of 95% achieved for both Copper and Zinc;
- Clean, high grade concentrate achieved;
- No need for fine grinding – expected savings in capital and operating costs; and
- All impurities below penalty levels.

Testwork was conducted by Ammtec Ltd at its major laboratory in Balcatta, Western Australia. Ammtec is an ASX-listed company involved in the supply of a wide range of metallurgical and mineral testwork services to the mining industry both in Australia and internationally. Testwork was designed and coordinated on behalf of Sultan by Mr Mike Kitney of Metallurgical Design, while the actual testwork itself was supervised by Senior Metallurgist Wayne Harding of AMMTEC.

The results of the testwork are described below:

1. Grind optimisation flotation testwork was undertaken to determine the overall recovery from flotation at two different grind sizes. 1.0 kg sub-samples of base metal sulphide ore were used and the grind sizes were 106 and 75 microns respectively. Summary results are given in the Table 1.

Table 1 – Effect of Grind Size on Recovery

Sample Identity	Grind Size (micron)	Recovery (%)			
		Copper	Lead	Zinc	Sulphur
Base metal sulphide <i>Cu/Zn/Pb ore</i>	106	99.55	99.05	99.64	99.63
	75	99.64	99.02	99.68	99.73

The testwork indicates that:

- Sulphide minerals are readily liberated at both 75 micron and the coarser 106 micron;
- Both grind recoveries of zinc, copper and lead are all well in excess of 95%; and
- Finer grinding to 75 micron is not required to enhance flotation performance.



- Differential Cu-Pb-Zn rougher flotation testwork was conducted on 1.0kg sub-samples of base metal sulphide ore. Three separate tests were conducted using different reagents and producing from 6 to 7 separate concentrates.

All recoveries for Zn and Pb were in excess of 95% and generally of the order of 99% to 97% respectively. Cu recoveries were over 90% and in the case of Test WH1161 were over 95%. All testwork was conducted at a grind of 106 micron. Results for WH1161 are given in Table 2.

Table 2 - Results from Differential Cu-Pb-Zn Rougher Flotation Testwork

Sample Identity	Recovery (%)		
	Copper	Lead	Zinc
Base Metal Sulphide <i>Cu concentrate</i>	72.04	30.39	6.25
Base Metal Sulphide <i>Pb concentrate</i>	10.75	36.60	20.66
Base Metal Sulphide <i>Zn concentrate</i>	12.76	30.28	72.45
Base Metal Sulphide <i>Overall concentrate</i>	95.55	97.27	99.36

- The final testwork was a Bulk Rougher/Regrind/Cleaner Differential Flotation test using a base metal sulphide sample of 8.0 kg, a grind of 106 microns and a new reagent scheme designed by Mr Graeme Stewart, senior flotation metallurgist at AMMTEC. Results are given in Table 3.

Table 3 - Results from Bulk/Rougher/Regrind/Cleaner Differential Flotation Tests

Sample Identity	Recovery (%)		
	Copper	Lead	Zinc
Base Metal Sulphide <i>Cu concentrate</i>	49.2	11.9	9.71
Base Metal Sulphide <i>Pb concentrate</i>	17.4	44.2	5.68
Base Metal Sulphide <i>Zn concentrate</i>	27.6	39.9	83.8
Base Metal Sulphide <i>Overall concentrate</i>	94.2	96.0	99.2



This work demonstrated that saleable concentrates could be produced from all “ore-types” with satisfactory concentrate recoveries. Based on these findings, Sultan’s feasibility study has progressed to the final stages.

Sultan’s Managing Director, Mr. Derek Lenartowicz stated “We are very pleased with the results from our metallurgical test programme on samples from our John Fardy zinc, copper, lead deposit in New South Wales. The testwork has clearly demonstrated an excellent metallurgical response with the potential to produce clean high-grade concentrate providing attractive smelter feed.”

The information in this report that relates to Exploration Results is based on information compiled by Mr. Kevin Alexander. Mr. Alexander is a full time employee of Sultan Corporation Limited. Mr. Alexander is a member of The Australasian Institute of Mining and Metallurgy and Australian Institute of Geoscientists. He has sufficient experience that is relevant to the style of mineralization under consideration and to the activity which he is undertaking to be qualified as a Competent Person as defined in the 2004 Edition of the “Australasian Code for Reporting on Exploration Results, Mineral resources and Ore Reserves”. Mr. Alexander consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

A handwritten signature in blue ink, appearing to read 'Derek Lenartowicz', is positioned above the printed name and title.

Derek Lenartowicz
Managing Director