An Investigation into

THE RECOVERY OF DIAMONDS FROM THE MACFADYEN PROPERTY KIMBERLITES, JAMES BAY LOWLANDS, ONTARIO

prepared for

KWG RESOURCES INC.

Project 11622-001 – Interim Report 1
August 13, 2007

NOTE:
This report refers to the samples as received.

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Executive Summary

This report summarizes the test work conducted by SGS Minerals Services, Lakefield, Ontario, for the recovery of commercial-sized diamonds from four mini-bulk samples of approximately 5 tonnes in total of kimberlite materials from the MacFadyen Property kimberlites in the James Bay Lowlands, Ontario, submitted by KWG Resources Inc. ("KWG"). The test work was conducted at the SGS Lakefield laboratory between May 24, 2007 and July 27, 2007 under project number CALR-11622-001.

The purpose of this test program was to recover commercial sized diamonds, defined as diamonds equal to or greater than 0.85 mm in size, as determined by a square mesh aperture screen, using conventional dense media separation ("DMS") plant recovery methods. These methods included the use of a Bateman Model M3728 one tonne per hour DMS plant, followed by diamond concentrate post-processing using an x-ray sorter diamond recovery machine, followed by grease table processing and magnetic separation techniques. Final diamond recovery was conducted by the mineralogical staff of the SGS Diamond Services Group using a combination of hand-sorting and binocular microscopy methods. All diamonds recovered were weighed, and the total diamond weight and sample weight was used to calculate an indicated diamond content of the body, or grade, expressed in carats per hundred tonnes ("cpht").

The four kimberlite bodies analyzed in this test program, and their initial sample weights, included MacFadyen 1 (1188 kg), MacFadyen 2 (474 kg), MacFadyen 2 South (834 kg), and the Good Friday kimberlite (1210 kg). Each kimberlite was processed and the concentrates examined for diamond content, and reported as a separate sample. Each of the four kimberlites was processed by DMS plant methods, in addition to having a representative 32 kilogram split processed by caustic fusion dissolution methods. The 32 kilogram splits processed by caustic fusion were picked for diamonds down to 105 microns in size, as defined by a square mesh aperture screen. This report summarizes the diamond results and laboratory methods employed for both the DMS plant and caustic fusion processing.

The unit processes utilized in this test program included:

- Primary crushing by jaw crusher for -200mm half-split drill core,
- Secondary crushing by cone crusher to -6.3mm material,

- Primary scrubbing and wet-screening for disaggregation, de-sliming and the removal of -0.85 mm fines material,
- DMS plant processing, through a Bateman Model M3728 one tonne per hour (1tph) dense media separation plant, for +0.85-6.3 mm feed-sized material,
- Primary DMS plant concentrate upgrading using a Flow Sort Pty. Ltd. (South Africa) model XR 2/19 DW x-ray diamond recovery machine,
- Secondary DMS plant concentrate upgrading using a Dobson Mining Equipment Pty. Ltd. (South Africa) model GRT-3 diamond recovery grease table,
- Tertiary DMS plant concentrate upgrading using an Eriez RE-10 high intensity dry magnetic separator, followed by heavy liquid separation of concentrates in methylene iodide at specific gravity (SG) of 3.32 g/cm^3.
- Diamond recovery in a secure environment by standard laboratory methods utilizing hand-sorting of coarse fractions and stereo microscopy methods for fine fractions.
- Diamond mechanical screening, weighing in milligrams using an electronic micro-balance with a calculated carat weight, detailed description including an estimate of colour and clarity and a description of significant morphological features and % preservation.

Sample preparation and primary crushing was conducted on May 25th, 2007. DMS plant processing was conducted between May 28th and June 1st, 2007. DMS concentrate upgrading was conducted between June 4th and June 14th, and mineralogical diamond recovery was completed from June 18th to June 29th. The four caustic fusion samples were processed between May 30th and July 27th. All processing work was conducted under the supervision of SGS Project Manager Jeff Brendon, and all processing work was observed by KWG technical representative Dr. Mousseau Tremblay, a Director of the Corporation. During the sample processing period of May 24th to June 12th, the laboratory work was also observed by KWG geologists Ms. Aline LeClerc and Ms. Emmanuelle Giguere.

Preliminary results were reported to Dr. Mousseau Tremblay and Mr. Frank Smeenk, President of KWG Resources Inc. on July 3rd, 2007. Final results were reported on August 3rd, 2007. After preliminary results were reported, Dr. Tremblay requested that SGS undertake an additional test work program, to verify the results and to analyze for the potential for non-liberation of diamonds from the samples. This test program represented an audit of previously processed sample materials, and included the caustic fusion dissolution of reject materials, specifically the magnetic separation "magnetics" fractions, and the DMS concentrate "picked" fractions. These

samples were submitted for caustic dissolution processing on July 12th, 2007, and results remain pending as of the date of this report. As such, this report details the results and methods from the original project proposal only, and a second report will be issued to present the results from this secondary audit.

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Specialist Metallurgist, Project Manager

Hugh de Souza, PhD PGeo
Manager, Diamond Services

Testwork Summary

1. Sample Receipt and Description

The samples were received in two separate shipments that contained a total of 10 pallets of 219 sample bags with average weight of 20 kg per bag. The first shipment was received on May 9, 2007 and contained 5 pallets of 128 bags. The second shipment was received on May 22, 2007 and contained 5 pallets of 91 bags. Sample materials were in the form of half-split drill core. Upon receipt, the samples were moved into the secure compound of the DMS plant, where they remained under CCTV camera coverage until processing commenced.

The number of sample bags received were verified and reported in writing to Dr. Mousseau Tremblay of KWG Resources Inc. on May 22, 2007. The samples were logged into SGS' ONLINE Laboratory Information Management System (LIMS), and a formal Chain of Custody document was sent to the client. All subsequent security seals used by SGS were retained throughout the course of the project. Security seal numbers, sample weights and number of sample containers were closely tracked throughout the project, and were recorded on a Master Tracking List attached in Appendix V.

The 219 sample bags were weighed on May 24th, 2007 by SGS personnel and the samples were sorted into the four separate kimberlites as per KWG instructions. The as-received weights are summarized as follows:

- MacFadyen 1 (MF1) 1188.1 kilograms
- MacFadyen 2 (MF2) 473.8 kilograms
- MacFadyen 2 South (MF2S) 833.6 kilograms
- Good Friday (GF1) 1210.3 kilograms

The samples processed through the DMS plant were assigned numbers MF1-001 (MacFadyen 1), MF2-002 (MacFadyen 2), MF2S-003 (MacFadyen 2 South) and GF1-004 (Good Friday).

The samples processed by caustic dissolution were assigned numbers CF-MF1 (MacFadyen 1), CF-MF2 (MacFadyen 2), CF-MF2S (MacFadyen 2 South) and CF-GF1 (Good Friday) and processed under LIMS number MI-0002-MAY07.

Prior to DMS plant processing, random sample splits of approximately 3 kg each were taken from each of the four kimberlites and submitted for kimberlitic indicator mineral ("KIM") recovery. This was done for the purpose of isolating a population of indicator minerals for later mineralogical analysis and study. Samples processed for indicator mineral recovery were assigned sample numbers KIM-MF1 (MacFadyen 1), KIM-MF2 (MacFadyen 2), KIM-MF2S (MacFadyen 2 South) and KIM-GF1 (Good Friday). Details of the indicator mineral analysis are attached as Appendix III.

2. Description of Flow Sheet

Figure 1 illustrates the processing flow sheet utilized for the four samples. Each of the four samples was processed separately, with the DMS plant and ancillary equipment cleaned thoroughly between samples, to avoid the potential for cross-sample contamination.

3. Sample Crushing

Initial sample feed preparation was done by transferring the contents of the sample bags into 200 litre steel drums which were dumped by forklift to feed the jaw crusher. The jaw crusher was a 10 tonne per hour (tph) MinPro International 10x20" crusher, powered by a 575V 10 HP electric motor. The unit was fed from a feed chute with dimensions of 2250x460mm, feeding to the 255x510mm jaw plates. Material, up to 200mm in particle size, was crushed to a nominal product size of 25mm, at a rate of approximately 1 tph. The crusher discharged back into 200L steel drums, which were then dumped onto a 48" diameter Sweco screening unit, fitted with a ¼" ASTM square mesh screen (6.3mm). The minus ¼" material was re-drummed for DMS plant feed while the plus ¼" material was drummed for secondary crushing.

Secondary crushing of the +¼" oversize material was done through a 5 tph Wescone W300/2 cone crusher. The crusher was fed by forklift-dumping the drums into a feed chute opening of 282mm which fed the 300mm crushing head liner. Crushed product was received in 200L drums and again passed over the Sweco screening unit with ¼" screen. The undersize material was re-drummed for DMS plant feed, while the oversize material was iteratively passed through the cone crusher until 100% of material passed the ¼" screen. The drummed samples were then transported back to the DMS plant building for processing.

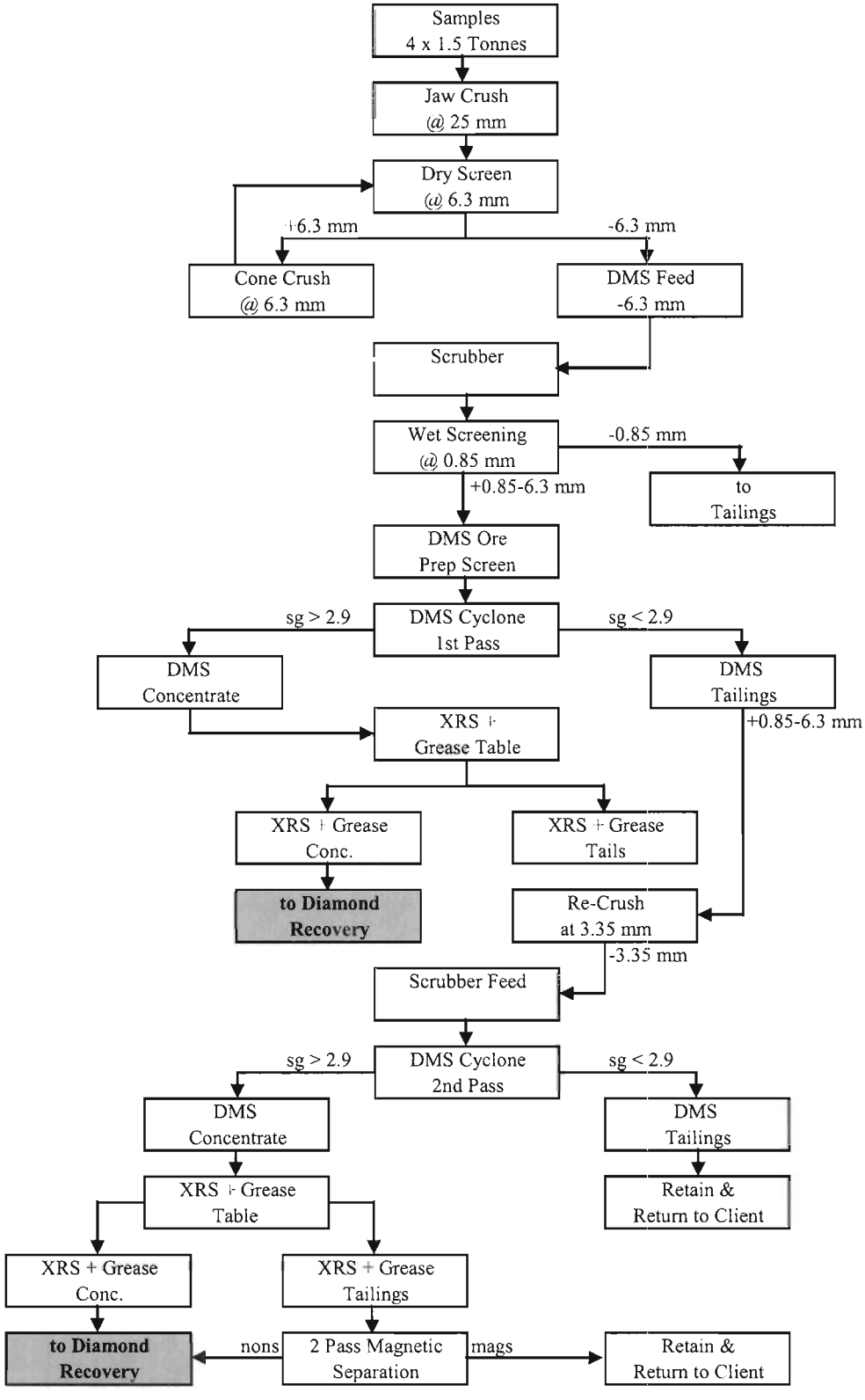

Figure 1: Diamond Recovery Processing Flow Sheet for KWG Resources Samples

4. Dense Media Separation (DMS) Plant Operation

DMS plant feed was transferred from the 200L steel drums to a 2 tonne feed hopper which discharged at a controlled rate by way of a horizontal conveyor onto an inclined conveyor belt that fed the scrubber unit. Scrubbing was utilized for disaggregation, de-sliming and to remove any adhered fines. The scrubber was a Titan Process Equipment 30x58" overflow mill with inside diameter of 750mm and volume of 0.655 m^3. The scrubber discharged onto a 48" Sweco screen deck, where -0.85mm material was pumped to tailings containment , and +0.85-6.3mm feed was pumped to the DMS plant.

The DMS plant was a Bateman Model M3728 one tonne per hour (tph) pump-fed cyclone plant, equipped with a one hundred-millimetre dense media cyclone. The feed-sized material (+0.85-6.3mm) was pumped to the feed hopper of the cyclone plant. From the feed hopper, the sample was fed at a controlled rate by means of a vibrating feeder to the cyclone mixing box. Ferrosilicon medium was pumped into the mixing box from a circulating media sump to form a slurry that was then pumped to the DMS cyclone. The density separation occurs in the cyclone, with the denser particles reporting to the spigot (or apex) of the cyclone and the less dense particles reporting to the vortex (cyclone overflow). The density of the separation, or effective cut-point (the "ECP"), is controlled by adjusting the ratio of water to ferrosilicon in the dense media suspension that is fed to the mixing box. The DMS concentrate ("sinks") contains the heavy minerals and more dense products, including diamonds. The DMS tailings ("floats") contains the less dense minerals, which represents the majority of material. Both floats and sinks products pass over a medium recovery screen to recover the ferrosilicon. The first section of the screen drains back to the circulating media (CM) tank. The second half of the screen is fitted with a spray bar to wash ferrosilicon particles adhering to the sample materials. The material passing through the second half of the screen passes through a magnetic separator for the recovery and densification of the ferrosilicon. The magnetic separator effluent, consisting of water and fine solids, is pumped to the thickener. The over-dense from the magnetic separator gravitates to the CM tank. The suspension in the CM tank is then pumped into the CM head tank, which feeds the mixing box with the required volume of dense media. The density in the CM circuit is controlled by the automated addition/subtraction of water to the CM tank.

The ferrosilicon slurry is run at a specific gravity of 2.80 g/cm^3 which produces an effective cut point (ECP) ranging from 2.91 to 3.05 g/cm^3. In this way, diamonds with SG = 3.53 g/cm^3, will routinely report to the DMS concentrate fraction. The density measurement and control are fully automated by a Texas Nuclear Model 5200 nuclear densitometer, which provides continuous digital read-outs of the CM density, and assures the plant runs under stable operating conditions.

The DMS concentrates were captured in 200 litre steel drums, held within a security-caged area, which was padlocked under the project manager's direct supervision. Once a drum was filled, it was removed from the caged area, weighed, recorded, labelled and a security seal added to the drum lid assembly. The completed drums remained within the DMS plant building under CCTV camera coverage.

The DMS plant tailings were discharged from the plant directly into new drums. Once full, the drums were labelled, sealed, weighed, recorded and moved outdoors to the DMS fenced compound area for later HPGR crushing and second pass through the plant.

At the end of the processing of the sample, the scrubber, screens, DMS plant and any floor spillage was cleaned to avoid any potential diamond contamination issues. All DMS plant operational logs and records are attached as Appendix IV.

5. HPGR Crushing and Second Pass DMS Plant Processing

All sample materials were passed through the DMS plant twice. The first pass DMS tailings were collected in new drums and sent for high pressure grinding rolls (HPGR) crushing. Crushing was done using a Polysius Model 2.5/1-O-S laboratory high pressure grinding rolls crusher. Samples were passed through the HPGR at a pressure setting determined experimentally to achieve >95% of feed passing a 6 Mesh (3.35mm) screen. The circuit included a re-circulating screen set-up whereby all +3.35mm material was fed back to the crusher to ensure >95% of the sample passed through the 3.35mm screen. Samples were fed directly from the drums to the HPGR feed hopper, and crushed product was received from the discharge chute directly back into drums. Once the drums were filled, the crushed product was weighed, recorded, and transported back to the DMS plant building.

The HPGR machine settings were determined experimentally by running a series of 20 kg test samples through the crusher, and conducting rudimentary particle size analyses (PSA) on the

feed and product samples. Based upon the results of these tests, and previous test work conducted on comparable kimberlite samples, the HPGR crushing was done using a hydraulic pressure of 45 kPa, a nitrogen pressure of 40 kPa, a grinding force of 56 kiloNewtons, and a roll spacing of less than 3mm.

6. DMS Concentrate Upgrading (Concentrate Post-Processing)

DMS plant concentrate upgrading, to reduce the size of the final "observable" concentrate for mineralogical diamond recovery, was done through a three tiered system of x-ray sorting, followed by grease table processing followed by magnetic separation. This system is utilized to ensure >99% diamond recovery from the concentrates, whereby diamonds which may not be recovered at x-ray sorting have opportunity to be later recovered at grease table processing, and diamonds which may not have been recovered on the grease table have opportunity to be recovered at magnetic separation. Prior to concentrate upgrading, samples were oven-dried, then dry screened into four separate size fractions to facilitate x-ray sorter processing. These size fractions included +4.75-6.30mm (+4M), +3.35-4.75mm (+6M), +1.18-3.35mm (+14M) and +0.85-1.18mm (+20M).

6. 1 X-Ray Sorter (XRS) Diamond Recovery

DMS plant concentrate upgrading by x-ray sorter was conducted using a Flow Sort Pty Ltd (South Africa) model XR 2/19 DW diamond recovery machine. The x-ray sorter operates on the principle that diamonds will exhibit a fluorescence, and an induced phosphorescence when subjected to x-ray radiation. When a diamond fluoresces, the resulting light is detected by a photomultiplier, amplified and converted to an electrical signal. This signal is then transmitted to an ejection device which physically separates the diamond from other sample material travelling proximal to the diamond. The ejection is done by means of an ejection gate, or "trap door", which is controlled by sophisticated technology that allows for multiple diamond ejections per second. Diamonds will typically fluoresce under x-ray radiation at a wavelength of 410-490 nm. The x-ray sorter can detect diamonds ranging from 1 mm to 25 mm in size, and although many factors influence the efficiency of diamond recovery, the XRS is generally capable of >95% diamond recovery. Although relatively rare, some diamonds are considered "low-fluorescent" diamonds, and XRS recovery can be poor. For this reason, a second stage of concentrate

upgrading is routinely done using a grease table. The XRS is capable of processing DMS concentrate at a rate of 50 kg per hour for 1mm material to >2 tonnes per hour for +16mm material. All sample materials are routinely passed through the XRS twice to ensure maximum diamond recovery. Prior to XRS processing, concentrates must be sized for maximum diamond recovery efficiency, based upon a 2:1 size ratio. The concentrate size fractions used for this bulk sample are detailed in section 6 above.

6. 2 Grease Table Processing

DMS plant concentrate upgrading by grease table processing was conducted using a Dobson Mining Equipment (RSA) model GRT-3 grease table. The table is 100cm x 220cm, and operates on the principle that diamonds, because of their hydrophobic properties, will stick to grease while other mineral grains will pass freely over the table. The table operates as a shaker table, with a horizontal vibration, and the entire table surface is coated in a thin layer of specially formulated diamond-retaining grease. The table has heated water (27 ^{0}C) passing over it, and the sample media is allowed to traverse the greased surface. Diamonds become imbedded in the grease layer, while other mineral grains are allowed to fall off the table end where they are captured in 20 litre plastic pails. The table is run as an adjunct to the XRS unit, and the material being fed across are, therefore, x-ray sorter tailings. All samples are routinely passed over the table twice to ensure maximum diamond recovery. Upon sample completion, the table is scraped bare and the resulting grease and captured minerals are submitted to the Diamond Services Group for grease recovery. Recovery is accomplished by heating the grease to liquefy it, pouring it through a 0.425mm fine mesh screen and washing the liberated grains in a degreasing chemical before a final ultrasonic bath. All samples processed over the grease table are processed in their respective size fractions as discussed above.

6. 3 Magnetic Separation Sample Processing

DMS plant concentrate upgrading by magnetic separation was conducted using an Eriez RE-10 high intensity rare earth roll magnetic separator with magnetic intensity of 20,000 Gauss. The magnetic separator operates on dry feed, and grease table tailings are therefore oven dried prior to processing. Samples are processed in the same size fractions as generated for the x-ray sorter processing. Samples are fed to the machine through a 50 kg feed hopper, and conveyed by vibrating feeder to a Teflon coated Kevlar feed belt which conveys the material to the magnetic

field or separation zone. When the feed enters the separation zone, the magnetic and/or paramagnetic particles are attracted to the roll whole the non-magnetic material follows the natural discharge trajectory. A splitter arrangement is used to segregate the two streams. The machine settings are determined experimentally, using a roll speed of 175 rpm and a splitter position established to ensure less than 10% of feed reports to the non-magnetic fraction. Samples are processed by two pass through the machine, with the magnetic fraction of the first pass being second passed. The resulting products are a magnetic fraction and a non-magnetic fraction, and as such, a middlings portion is not generated. The non-magnetic fraction is submitted for diamond recovery, where it may be further upgraded by heavy liquid separation, and the magnetic fraction is retained without further treatment.

7. Diamond Picking and Recovery

Finished concentrates from the DMS plant processing were transferred to the Diamond Services Group in security-sealed containers using Chain of Custody documentation. Once received, the concentrate data was entered into the LIMS tracking system. All concentrate work was conducted in the secure confines of the diamond picking laboratory which utilizes a magnetic card entry security system for authorized personnel only, CCTV camera coverage of all diamond operations, chain of custody documentation and dual custody provisions for all diamond work. Concentrates were opened in view of the CCTV cameras and examined for coarse diamond content. All diamond recovery operations are under the supervision of Hugh de Souza, Manager, Diamond Services.

The coarse fractions of the observable concentrates are hand-sorted for diamond recovery, while the finer fractions are observed for diamond recovery using standard stereo microscopy methods. All diamonds recovered greater than 0.85mm in size are isolated in sample vials, recorded, weighed and described. In addition to carat weights, diamond descriptions include characterization by colour, clarity, per cent preservation and stone description (crystal shape, coatings, surface markings, inclusions). Recovered diamonds are returned to the client under Chain of Custody documentation and delivered by Brinks Canada armoured services. Diamond results are attached as Appendix I.

8. Quality Assurance/Quality Control

8.1 Guidelines

The SGS laboratory utilizes standard Quality Assurance and Quality Control ("QA/QC") procedures in all aspects of its operations. The QA/QC programs were developed from guidelines published by the Standards Council of Canada (SCC) and the International Standards Organization (ISO), commonly referred to as ISO 17025. The QA/QC programs are administered by an independent Quality Control Specialist who reports to an SGS senior site manager, as warranted.

QA/QC programs are implemented in all stages of the diamond recovery process, from sample receipt through to final diamond picking and recovery. Programs include the testing and calibration of all equipment, chain of custody and security seal registry documentation, QC blind "spiking" using real and synthetic diamonds, audits of reject materials, archived record-keeping of procedures and project data, and documented corrective measures should procedures not conform to standards.

The QA/QC programs in the processing laboratory are maintained through a three tier system:

Tier 1: Standard operating procedures (SOP), operator data sheets and daily activity log sheets, process monitoring and front-line supervision,

Tier 2: Efficiency testing on individual pieces of equipment and processing systems,

Tier 3: Supervision and monitoring of operations by the Project Manager and on-site client technical representative(s).

8.2 Mass Balance Calculations

Quality assurance and quality control is also maintained by tracking samples, sample weights, security seal numbers and stages of completion using a Master Tracking List. In addition, QA/QC is monitored using overall mass balance tracking and calculation. The Master Tracking List can be found in Appendix V. A summary of the mass balance calculations is contained in Tables 1 to 4.

Table 1: Summary Mass Balance for Sample MF1-001

Process Description	Mass (kg)	Difference (%)	Explanation of Difference
As-Received Sample Wt	1188.1		
Crushed DMS Feed, Dry Wt	1156.5	2.7%	Caustic sample taken
DMS 1st Pass Tailings, Wet	963.8	11.4%	Loss to -0.85 mm Fines
DMS 1st Pass Concentrate Wet	61.3	5.3%	DMS Concentrate Yield
DMS 1st Pass Concentrate Dry	53.25	13.1%	Moisture Content
HPGR Crushed DMS Feed	963.8	n/a	
DMS 2nd Pass Tailings, Wet	673.0	25.4%	Loss to -0.85 mm Fines
DMS 2nd Pass Concentrate Wet	46.2	4.8%	DMS Concentrate Yield
DMS 2nd Pass Concentrate Dry	39.75	14.0%	Moisture Content

Table 2: Summary Mass Balance for Sample MF2-002

Process Description	Mass (kg)	Difference (%)	Explanation of Difference
As-Received Sample Wt	473.8		
Crushed DMS Feed, Dry Wt	436.5	7.9%	Caustic sample taken
DMS 1st Pass Tailings, Wet	369.5	11.9%	Loss to -0.85 mm Fines
DMS 1st Pass Concentrate Wet	15.1	3.5%	DMS Concentrate Yield
DMS 1st Pass Concentrate Dry	12.91	14.5%	Moisture Content
HPGR Crushed DMS Feed	369.5	n/a	
DMS 2nd Pass Tailings, Wet	232.5	35.2%	Loss to -0.85 mm Fines
DMS 2nd Pass Concentrate Wet	7.0	1.9%	DMS Concentrate Yield
DMS 2nd Pass Concentrate Dry	5.50	21.4%	Moisture Content

Table 3: Summary Mass Balance for Sample MF2S-003

Process Description	Mass (kg)	Difference (%)	Explanation of Difference
As-Received Sample Wt	833.6		
Crushed DMS Feed, Dry Wt	795.5	4.6%	Caustic sample taken
DMS 1st Pass Tailings, Wet	652.8	14.5%	Loss to -0.85 mm Fines
DMS 1st Pass Concentrate Wet	27.6	3.5%	DMS Concentrate Yield
DMS 1st Pass Concentrate Dry	24.05	12.9%	Moisture Content
HPGR Crushed DMS Feed	652.8	n/a	
DMS 2nd Pass Tailings, Wet	395.0	38.5%	Loss to -0.85 mm Fines
DMS 2nd Pass Concentrate Wet	6.2	1.0%	DMS Concentrate Yield
DMS 2nd Pass Concentrate Dry	5.20	16.1%	Moisture Content

Table 4: Summary Mass Balance for Sample GF1-004

Process Description	Mass (kg)	Difference (%)	Explanation of Difference
As-Received Sample Wt	1210.3		
Crushed DMS Feed, Dry Wt	1170.0	3.3%	Caustic sample taken
DMS 1st Pass Tailings, Wet	983.4	8.6%	Loss to -0.85 mm Fines
DMS 1st Pass Concentrate Wet	86.1	7.4%	DMS Concentrate Yield
DMS 1st Pass Concentrate Dry	70.05	18.6%	Moisture Content
HPGR Crushed DMS Feed	983.4	n/a	
DMS 2nd Pass Tailings, Wet	599.0	34.7%	Loss to -0.85 mm Fines
DMS 2nd Pass Concentrate Wet	42.9	4.4%	DMS Concentrate Yield
DMS 2nd Pass Concentrate Dry	37.73	12.1%	Moisture Content

8.3 DMS Plant Operations

The operational procedures for the daily running of the DMS plant are governed by standard operating procedures (SOPs). The SOPs are available during sample processing and available for inspection upon client request while on-site. DMS plant operators are required to maintain daily data sheets and daily event logs, which can be found in Appendix IV.

The DMS daily data sheets contain the following operational data:

- Sample number, time and date of processing
- Operators names
- DMS cyclone pressure, in kPA, as measured by the Blanes cyclone pressure gauge,
- DMS main water pressure, in kPa, as measured by the Blanes water pressure gauge,
- Media density, as measured by the nuclear densitometer, to 3 decimal points.
- Media density, as measured by a Marcy Scale for pulp density, to 2 decimal points,
- DMS feed rate, in grams per 10 seconds,
- Scrubber feed rate, in kilograms per 10 seconds.
- DMS concentrate drum control inventory, including date, sample number, drum number, security seal number and weight in kilograms,
- DMS Tailings inventory control, including date, sample number, bulk bag number, security seal number and weight in kilograms,
- Time of density tracer tests conducted, and confirmation of a pass or fail grade,
- Time and operational comments, for all events, including start/stop times, and any maintenance, repair, break-down or other unusual operational condition.

8.4 DMS Plant EPM Tests

The efficiency of DMS plant operations is measured through the routine use of density tracers to create a DMS plant density profile, or Tromp Curve, which is plotted electronically exclusively by the Project Manager. The purpose of the DMS efficiency test is to ensure that the plant is performing an efficient density separation. The measure of the efficiency used is the epm.

Density tracer tests are conducted at the start of each shift, after any event when the plant has been down for repair, maintenance, or due to unusual machine readings or performance, and at the end of a sample run. Density tracer test results are plotted on an epm efficiency test record, all copies of which can be found in Appendix IV.

Density tracer tests are conducted using a standard set of Partition Enterprises irregular shaped coloured density grains, ranging from 2mm to 6mm in size, and with densities of 2.7, 2.8, 2.95, 3.0, 3.05, 3.1, 3.2, 3.3, and 3.53. The Tromp curve plots separate curves for the "measured" and the "predicted" curves.

The density tracer test procedure is summarized below:

- Tracers were added to the plant at the mixing box, with no plant feed running,
- At time of test, the plant operating parameters were recorded,
- Tracers reporting to the sinks and floats fractions were collected separately, sorted by colour (density) and size fraction, counted and recorded,
- When the raw data is entered into the Excel spreadsheet, the partition factor for each density fraction in each size range was calculated from the reconstituted head (i.e., if any tracers are not recovered during the tests, they were not considered in the partition number calculation).
- The epm and d_{50} were calculated by fitting a Tromp curve to the data by a "least squares method."
- The epm is defined as $(d_{75} - d_{25})/2$. The two densities (d_{75}, d_{25}) were calculated from the fitted curve.
- The alpha is defined as the gradient of the Tromp curve, and is a measure of the sharpness of the cyclone separation. The higher the alpha, the sharper the separation. Alpha is calculated from (d_{50}/epm) multiplied by a correction factor of 1.0968.

During the course of sample processing, all DMS plant density tracer tests passed, where a pass is defined as 100% recovery of diamond density (3.53) tracers reporting to the sinks fraction. The DMS plant efficiency tests are summarized in Table 5 below.

Table 5: Summary of DMS Plant Efficiency Tests

Parameter	Media Density,g/cm^3	Cyclone Pressure kPa	ECP (d_{50}) (g/cm^3)	EPM	Alpha
Range	2.75-2.80	40-60	2.81-3.00	0.026-0.046	67.7-126.7
Mean Value	2.775	50	2.92	0.038	88.5
Optimal Range	2.75-2.85	50-60	2.90-3.05	0.035-0.055	75-100

8.5 QA/QC by Diamond Spiking

No QA/QC testing was done on the DMS samples using natural or synthetic diamonds.

QA/QC tests conducted on the magnetic separation processing included testing with Bateman density tracers and with natural diamonds. The magnetic separator was calibrated by running non-magnetic Bateman density tracers, using the orange diamond density (density = 3.53)

tracers, both 2mm and 4mm cubes, in sets of 20 each. Results returned >95% recovery of all tracers reporting to the non-magnetic fractions.

8.6 Security and Chain of Custody

All DMS plant operations were governed by standard operating procedures for security measures. Security protocols employed in the processing of these samples included all work being done under CCTV camera coverage, restricted access to the DMS plant building, dual custody provisions, and the use of security seals for sample containers. Security seals were recorded on Security Seal Registry logs, and chain of custody documentation was employed for the formal transfer of finished concentrates to SGS Diamond Services. All concentrate transfers and supporting documentation were performed exclusively by the Project Manager. Copies of the security and chain of custody documentation are included in Appendix V.

9. Diamond Results

The diamond results are summarized below in Tables 6 through 13. The detailed reports, diamond descriptions and certificates of analyses are attached as Appendix I and Appendix II.

Table 6: Diamond Results Summary for DMS Sample MF1-001 (1156.5 kg)

Diamond Size Fractions (in mm)	Number of Stones In Group	Group Weight (mg)	Carat Weights (Calculated)
>9.50	0	0.000	0.000
6.70 - 9.50	0	0.000	0.000
4.75 - 6.70	0	0.000	0.000
3.35 - 4.75	0	0.000	0.000
2.36 – 3.35	0	0.000	0.000
1.70 – 2.36	0	0.000	0.000
1.18 – 1.70	0	0.000	0.000
0.85 – 1.18	0	0.000	0.000
<0.85	0	0.000	0.000
TOTAL	**0**	**0.000**	**0.000**

Table 7: Diamond Results Summary for Caustic Sample CF-MF1 (31.38 kg)

Diamond Size Fractions (in mm)	Number of Stones In Group	Group Weight (mg)	Carat Weights (Calculated)
+4.75 mm	0	0.000	0.000
+3.35 – 4.75 mm	0	0.000	0.000
+2.36 – 3.35 mm	0	0.000	0.000
+1.70 – 2.26 mm	0	0.000	0.000
+1.18 – 1.70 mm	0	0.000	0.000
+0.85 – 1.18 mm	0	0.000	0.000
+0.60 – 0.85 mm	0	0.000	0.000
+425 – 600 um	0	0.000	0.000
+300 – 425 um	2	0.162	0.001
+212 – 300 um	2	0.041	0.000
+150 – 212 um	9	0.091	0.000
+105 – 150 um	13	0.061	0.000
TOTAL	**26**	**0.355**	**0.002**

Table 8: Diamond Results Summary for DMS Sample MF2-002 (436.5 kg)

Diamond Size Fractions (in mm)	Number of Stones In Group	Group Weight (mg)	Carat Weights (Calculated)
>9.50	0	0.000	0.000
6.70 - 9.50	0	0.000	0.000
4.75 - 6.70	0	0.000	0.000
3.35 - 4.75	0	0.000	0.000
2.36 – 3.35	0	0.000	0.000
1.70 – 2.36	0	0.000	0.000
1.18 – 1.70	1	10.511	0.053
0.85 – 1.18	0	0.000	0.000
<0.85	0	0.000	0.000
TOTAL	**1**	**10.511**	**0.053**

Table 9: Diamond Results Summary for Caustic Sample CF-MF2 (31.70 kg)

Diamond Size Fractions (in mm)	Number of Stones In Group	Group Weight (mg)	Carat Weights (Calculated)
+4.75 mm	0	0.000	0.000
+3.35 – 4.75 mm	0	0.000	0.000
+2.36 – 3.35 mm	0	0.000	0.000
+1.70 – 2.26 mm	0	0.000	0.000
+1.18 – 1.70 mm	0	0.000	0.000
+0.85 – 1.18 mm	0	0.000	0.000
+0.60 – 0.85 mm	0	0.000	0.000
+425 – 600 um	0	0.000	0.000
+300 – 425 um	0	0.000	0.000
+212 – 300 um	0	0.000	0.000
+150 – 212 um	3	0.032	0.000
+105 – 150 um	4	0.021	0.000
TOTAL	**7**	**0.053**	**0.000**

Table 10: Diamond Results Summary for DMS Sample MF2S-003 (795.5 kg)

Diamond Size Fractions (in mm)	Number of Stones In Group	Group Weight (mg)	Carat Weights (Calculated)
>9.50	0	0.000	0.000
6.70 - 9.50	0	0.000	0.000
4.75 - 6.70	0	0.000	0.000
3.35 - 4.75	0	0.000	0.000
2.36 – 3.35	0	0.000	0.000
1.70 – 2.36	0	0.000	0.000
1.18 – 1.70	0	0.000	0.000
0.85 – 1.18	0	0.000	0.000
<0.85	0	0.000	0.000
TOTAL	**0**	**0.000**	**0.000**

Table 11: Diamond Results Summary for Caustic Sample CF-MF2S (31.7 kg)

Diamond Size Fractions (in mm)	Number of Stones In Group	Group Weight (mg)	Carat Weights (Calculated)
+4.75 mm	0	0.000	0.000
+3.35 – 4.75 mm	0	0.000	0.000
+2.36 – 3.35 mm	0	0.000	0.000
+1.70 – 2.26 mm	0	0.000	0.000
+1.18 – 1.70 mm	0	0.000	0.000
+0.85 – 1.18 mm	0	0.000	0.000
+0.60 – 0.85 mm	0	0.000	0.000
+425 – 600 um	0	0.000	0.000
+300 – 425 um	0	0.000	0.000
+212 – 300 um	1	0.043	0.000
+150 – 212 um	4	0.054	0.000
+105 – 150 um	7	0.032	0.000
TOTAL	**12**	**0.129**	**0.001**

Table 12: Diamond Results Summary for DMS Sample GF1-004 (1170.0 kg)

Diamond Size Fractions (in mm)	Number of Stones In Group	Group Weight (mg)	Carat Weights (Calculated)
>9.50	0	0.000	0.000
6.70 - 9.50	0	0.000	0.000
4.75 - 6.70	0	0.000	0.000
3.35 - 4.75	0	0.000	0.000
2.36 – 3.35	1	46.078	0.230
1.70 – 2.36	0	0.000	0.000
1.18 – 1.70	0	0.000	0.000
0.85 – 1.18	0	0.000	0.000
<0.85	0	0.000	0.000
TOTAL	**1**	**46.078**	**0.230**

Table 13: Diamond Results Summary for Caustic Sample CF-GF1 (32.00 kg)

Diamond Size Fractions (in mm)	Number of Stones In Group	Group Weight (mg)	Carat Weights (Calculated)
+4.75 mm	0	0.000	0.000
+3.35 – 4.75 mm	0	0.000	0.000
+2.36 – 3.35 mm	0	0.000	0.000
+1.70 – 2.26 mm	0	0.000	0.000
+1.18 – 1.70 mm	0	0.000	0.000
+0.85 – 1.18 mm	0	0.000	0.000
+0.60 – 0.85 mm	0	0.000	0.000
+425 – 600 um	1	0.302	0.002
+300 – 425 um	0	0.000	0.000
+212 – 300 um	3	0.058	0.000
+150 – 212 um	3	0.032	0.000
+105 – 150 um	7	0.024	0.000
TOTAL	**14**	**0.416**	**0.002**

10. Conclusions and Recommendations

- **MacFadyen 1** returned no diamonds from the 1156.5 kilograms processed by DMS (Sample MF1-001). The caustic fusion sample (CF-MF1) returned 26 diamonds from 31.38 kilograms processed (0.83 diamonds/kg). The largest diamonds recovered were in the +300-425 micron size fraction. The diamond recovery data suggests a low probability that MacFadyen 1 hosts a commercial-sized diamond population.

- **MacFadyen 2** returned one diamond from the 436.5 kilograms processed by DMS (MF2-002). The diamond was in the +1.18-1.70mm size fraction, and was described as a white, translucent, twinned dodecahedral crystal fragment, showing 75% preservation, with carat weight of 0.053. The caustic fusion sample (CF-MF2) returned 7 diamonds from 31.70 kilograms processed (0.22 diamonds/kg). The largest diamonds recovered were in the +150-212 micron size fraction. **The diamond recovery data suggests an indicated diamond content of 12.1 carats per hundred tonnes (cpht) for MacFadyen 2, however, it must be noted that the sample size is too small to regard this figure as a statistically reliable indication of the diamond content of this kimberlite.**

- **MacFadyen 2 South** returned no diamonds from the 795.5 kilograms processed by DMS (MF2S-003). The caustic fusion sample (CF-MF2S) returned 12 diamonds from 31.7 kilograms processed (0.38 diamonds/kg). The largest diamonds recovered were in the +212-300 micron size fraction. The diamond recovery data suggests a low probability that MacFadyen 2 South hosts a commercial-sized diamond population.

- **Good Friday** returned one diamond from the 1170.0 kilograms processed by DMS (GF1-004). The diamond was in the +2.36-3.35mm size fraction, and was described as a white, translucent, fragment with crystal faces, showing 85% preservation, with very significant cleavages and graphite inclusions. The diamond had weight of 0.230 carats.. The caustic fusion sample (CF-GF1) returned 14 diamonds from 32.0 kilograms processed (0.44 diamonds/kg). The largest diamonds recovered were in the +425-600 micron size fraction.

- **The diamond recovery data suggests an indicated diamond content of 19.7 carats per hundred tonnes (cpht) for Good Friday, however, it must be noted that the sample size should be considered too small to regard this figure as a statistically reliable indication of the diamond content of this kimberlite.**

- The diamond recovery results appear to be consistent with historical published data for the MacFadyen kimberlites. In the report "Technical Geological Report on the MacFadyen Property" by KWG Resources Inc., dated April 10, 2006, it was reported that, in 1994, MacFadyen 1 returned 7 diamonds from 109.6 kgs processed, and MacFadyen 2 returned 2 diamonds from 54 kgs processed. The report further states that, in 2004, additional analyses revealed that MacFadyen 1 returned 36 diamonds from 321 kgs processed, and MacFadyen 2 returned 17 diamonds from 75.9 kgs processed. Almost all of the diamonds recovered were described as "microdiamonds", or diamonds less than 0.5mm in size, as defined by a square mesh aperture screen.

  [Technical (Geological) Report on the MacFadyen Property, James Bay Lowlands, Porcupine Mining Division, Ontario Canada" prepared for KWG Resources Inc., by Dr. M.Tremblay and H.R.Butler, April 10, 2006. (www.sedar.com)].

- The relatively small size of the samples processed suggests that the diamond results may not be a statistically reliable indication of the diamond content of the kimberlites. It is recommended that a minimum sample size of 1-2 tonnes per kimberlite be processed by

DMS methods in order to gain greater confidence in the indicated diamond contents of the bodies. In addition, it is recommended that a minimum of 200 kilograms of material per kimberlite be processed by caustic fusion methods in order to increase the confidence of the data for the creation of minimally statistically significant diamond distribution plots.

- The recovery of a 0.23 carat diamond from the Good Friday kimberlite, coupled with an indicated diamond content of 19.7 cpht, should be viewed as an encouraging result, and suggests that a DMS sample of perhaps 10 to 20 tonnes should be considered for future work.
- It is not known at this time whether the non-liberation of diamonds from these samples is a factor to be considered in the diamond recovery results. Additional results from an audit being conducted on the DMS concentrate fractions by caustic fusion dissolution methods are pending as of the date of this report. A second report will be issued to present these findings once audit results come available.
- Because of the wide variability of the results from the four kimberlites, it is recommended that detailed petrological and geochemical analyses be conducted to better assess variations in the pipes prior to undertaking additional caustic and DMS processing.

Appendix I:

Diamond Results

DMS Samples

SGS Lakefield Research Limited
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2019 FAX: 705-652-3123

Metallurgical Operations
Attn : Jeff Brendon

Lakefield Wednesday, June 06, 2007

Date Rec. : 05 June 2007
LR. Ref. : MI0001-JUN07
Project : CALR-11622-001

CERTIFICATE OF ANALYSIS

Sample ID	*Dia #	*Dia (ct)
1: MF1-001 DMS 1st Pass XRS Conc	0	0.000
2: MF1-001 DMS 1st Pass Grease Conc	0	0.000
3: MF1-001 DMS 2nd Pass XRS Conc	0	0.000
4: MF1-001 DMS 2nd Pass Grease Conc	0	0.000

Maria Mezei, G.G. (GIA)
Diamond Selection Specialist

OnLine LIMS

SGS Minerals Services
185 Concession St., PO Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 6, 2007
LIMS No. **MI0001-JUN07**
Sample No. **MF1-001 DMS**
1st Pass XRS Conc.

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Zakia Al Haddad
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS Lakefield Research Limited
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2019 FAX: 705-652-3123

Metallurgical Operations
Attn : Jeff Brendon

Lakefield Wednesday, June 06, 2007

Date Rec. : 05 June 2007
LR. Ref. : MI0001-JUN07
Project : CALR-11622-001

CERTIFICATE OF ANALYSIS

Sample ID	*Dia #	*Dia (ct)
1: MF1-001 DMS 1st Pass XRS Conc	0	0.000
2: MF1-001 DMS 1st Pass Grease Conc	0	0.000
3: MF1-001 DMS 2nd Pass XRS Conc	0	0.000
4: MF1-001 DMS 2nd Pass Grease Conc	0	0.000

Maria Mezei, G.G. (GIA)
Diamond Selection Specialist

OnLine LIMS

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SGS Minerals Services
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Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 6, 2007
LIMS No. **MI0001-JUN07**
Sample No. **MF1-001 DMS**
1st Pass XRS Conc.

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Zakia Al Haddad
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 6, 2007
LIMS No. **MI0001-JUN07**
Sample No. **MF1-001 DMS**
1st Pass XRS Conc.

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg

Selection
Zakia Al Haddad
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 6, 2007
LIMS No. **MI0001-JUN07**
Sample No. **MF1-001 DMS**
1st Pass Grease Conc.

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Zakia Al Haddad
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 6, 2007
LIMS No. **MI0001-JUN07**
Sample No. **MF1-001 DMS**
1st Pass Grease Conc.

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg

Selection
Zakia Al Haddad
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 6, 2007
LIMS No. **MI0001-JUN07**
Sample No. **MF1-001 DMS**
2nd Pass Grease Conc.

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Tracy Gill
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 6, 2007
LIMS No. **MI0001-JUN07**
Sample No. **MF1-001 DMS**
2nd Pass Grease Conc.

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg

Selection
Tracy Gill
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

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Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 6, 2007
LIMS No. **MI0001-JUN07**
Sample No. **MF1-001 DMS**
2nd Pass XRS Conc.

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Tracy Gill
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

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DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 6, 2007
LIMS No. **MI0001-JUN07**
Sample No. **MF1-001 DMS**
2nd Pass XRS Conc.

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg

Selection
Tracy Gill
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS Lakefield Research Limited
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2019 FAX: 705-652-3123

Metallurgical Operations
Attn : Jeff Brendon

Lakefield Friday, June 29, 2007

Date Rec. : 08 June 2007
LR. Ref. : MI0005-JUN07
Project : CALR-11622-001

CERTIFICATE OF ANALYSIS

Sample ID	*Dia #	*Dia (ct)
1: MF1-001 DMS 1st Pass +4M Non Mags	0	0.000
2: MF1-001 DMS 1st Pass +6M Non Mags	0	0.000
3: MF1-001 DMS 1st Pass +14M Non Mags	0	0.000
4: MF1-001 DMS 1st Pass +20M Non Mags	0	0.000
5: MF1-001 DMS 2nd Pass+4M Non Mags	---	---
6: MF1-001 DMS 2nd Pass+6M Non Mags	0	0.000
7: MF1-001 DMS 2nd Pass+14M Non Mags	0	0.000
8: MF1-001 DMS 2nd Pass+20M Non Mags	0	0.000

Maria Mezei, G.G. (GIA)
Diamond Selection Specialist

OnLine LIMS

SGS Minerals Services
185 Concession St., PO Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0005-JUN07**
Sample No. **MF1-001 DMS 1st Pass +4 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS Minerals Services
185 Concession St., PO Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0005-JUN07**
Sample No. **MF1-001 DMS 1st Pass +4 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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SGS Minerals Services
185 Concession St., PO Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **M10005-JUN07**
Sample No. **MF1-001 DMS 1st Pass +6 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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SGS Minerals Services
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Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0005-JUN07**
Sample No. **MF1-001 DMS 1st Pass +6 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0005-JUN07**
Sample No. **MF1-001 DMS 1st Pass +14 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Zakia Al Haddad
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS Minerals Services
185 Concession St., PO Box 4300
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0005-JUN07**
Sample No. **MF1-001 DMS 1st Pass +14 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Zakia Al Haddad
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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SGS Minerals Services
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Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0005-JUN07**
Sample No. **MF1-001 DMS 1st Pass +20 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Tracy Gill
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS Minerals Services
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Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0005-JUN07**
Sample No. **MF1-001 DMS 1st Pass +20 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Tracy Gill
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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SGS Minerals Services
185 Concession St., PO Box 4300
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0005-JUN07**
Sample No. **MF1-001 DMS 2nd Pass +6 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0005-JUN07**
Sample No. **MF1-001 DMS 2nd Pass +6 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS

SGS Minerals Services
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Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0005-JUN07**
Sample No. **MF1-001 DMS 2nd Pass +14 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0005-JUN07**
Sample No. **MF1-001 DMS 2nd Pass +14 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0005-JUN07**
Sample No. **MF1-001 DMS 2nd Pass +20 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0005-JUN07**
Sample No. **MF1-001 DMS 2nd Pass +20 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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SGS Lakefield Research Limited
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2019 FAX: 705-652-3123

Metallurgical Operations
Attn : Jeff Brendon

Lakefield Monday, August 13, 2007

Date Rec. : 05 June 2007
LR. Ref. : MI0002-JUN07
Project : CALR-11622-001

CERTIFICATE OF ANALYSIS

Sample ID	*Dia #	*Dia (ct)
1: MF2-002 DMS 1st Pass XRS Conc	0	0.000
2: MF2-002 DMS 1st Pass Grease Conc	1	0.053

Maria Mezei, G.G. (GIA)
Diamond Selection Specialist

Online LIMS

SGS Minerals Services
185 Concession St., PO Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 12, 2007
LIMS No. **MI0002-JUN07**
Sample No. **MF2-002 DMS**
1st Pass XRS Conc.

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 12, 2007
LIMS No. **MI0002-JUN07**
Sample No. **MF2-002 DMS**
1st Pass XRS Conc.

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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SGS Minerals Services
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: ***Metallurgical Operations***

Date: June 22, 2007
LIMS No. **MI0002-JUN07**
Sample No. **MF2-002 DMS**
1st Pass Grease Conc.

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.053
Number of Diamonds: 1

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Wei Guo
Selection
Wei Guo
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 22, 2007
LIMS No. **MI0002-JUN07**
Sample No. **MF2-002 DMS**
1st Pass Grease Conc.

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	1	10.511	0.053
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	1	10.511	0.053

Total Weight (carats)*: 0.053

Number of Diamonds: 1

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Wei Guo
Selection
Wei Guo
Mineralogy Technician

T Gill
Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS Minerals Services
PO Box 4300, 185 Concession Street, Lakefield, Ontario K0L 2H0
Phone: 705-652-2019
Fax: 705-652-3123

June 22, 2007

DIAMOND SUMMARY

Project: **11622-001**

LIMS No. **MI0002-JUN07**
Sample No. **MF2-002 DMS**
1st Pass Grease Conc.

Client: **Metallurgical Operations**

No.	Stone Dimension, mm			Weight				Percent		Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation		Morphology
	> 9.50 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	6.70 to 9.50 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	4.75 to 6.70 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	3.35 to 4.75 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	2.36 to 3.35 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				

SGS Minerals Services
PO Box 4300, 185 Concession Street, Lakefield, Ontario K0L 2H0
Phone: 705-652-2019
Fax: 705-652-3123

June 22, 2007

DIAMOND SUMMARY

Project: **11622-001**

LIMS No. **MI0002-JUN07**
Sample No. **MF2-002 DMS**
1st Pass Grease Conc.

Client: **Metallurgical Operations**

No.	Stone Dimension, mm			Weight				Percent		Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation		Morphology
	1.70 to 2.36 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	1.18 to 1.70 mm fraction									
1				10.511	0.052555	White	Translucent	75%	Dodecahedral, twinned, mineral coating surface fragment	
1				10.511	0.052555	**Sub-Total**				
	0.85 to 1.18 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	< 0.85 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
1				10.511000	0.052555	**TOTAL**				

Note 1: Diamond Fragments - No Crystal Faces - Preservation (Resorption) cannot be estimated.

SGS Lakefield Research Limited
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2019 FAX: 705-652-3123

Metallurgical Operations
Attn : Jeff Brendon

-

Lakefield Friday, June 29, 2007

Date Rec. : 08 June 2007
LR. Ref. : MI0006-JUN07
Project : CALR-11622-001

CERTIFICATE OF ANALYSIS

Sample ID	*Dia #	*Dia (ct)
1: MF2-002 DMS 1st Pass +4M Non Mags	0	0.000
2: MF2-002 DMS 1st Pass +6M Non Mags	0	0.000
3: MF2-002 DMS 1st Pass +14M Non Mags	0	0.000
4: MF2-002 DMS 1st Pass +20M Non Mags	0	0.000
5: MF2-002 DMS 2nd Pass+4M Non Mags	---	---
6: MF2-002 DMS 2nd Pass+6M Non Mags	0	0.000
7: MF2-002 DMS 2nd Pass+14M Non Mags	0	0.000
8: MF2-002 DMS 2nd Pass+20M Non Mags	0	0.000

Maria Mezei, G.G. (GIA)
Diamond Selection Specialist

OnLine LIMS

SGS Minerals Services
185 Concession St., PO Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0006-JUN07**
Sample No. **MF2-002 DMS 1st Pass +4 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS Minerals Services
185 Concession St., PO Box 4300
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0006-JUN07**
Sample No. **MF2-002 DMS 1st Pass +4 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0006-JUN07**
Sample No. **MF2-002 DMS 1st Pass +6 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Tracy Gill
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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SGS Minerals Services
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Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0006-JUN07**
Sample No. **MF2-002 DMS 1st Pass +6 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Tracy Gill
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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SGS Minerals Services
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Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0006-JUN07**
Sample No. **MF2-002 DMS 1st Pass +14 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Tracy Gill
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0006-JUN07**
Sample No. **MF2-002 DMS 1st Pass +14 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Tracy Gill
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0006-JUN07**
Sample No. **MF2-002 DMS 1st Pass +20 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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SGS Minerals Services
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DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0006-JUN07**
Sample No. **MF2-002 DMS 1st Pass +20 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0006-JUN07**
Sample No. **MF2-002 DMS 2nd Pass +6 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0006-JUN07**
Sample No. **MF2-002 DMS 2nd Pass +6 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
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Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0006-JUN07**
Sample No. **MF2-002 DMS 2nd Pass +14 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0006-JUN07**
Sample No. **MF2-002 DMS 2nd Pass +14 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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SGS Minerals Services
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Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0006-JUN07**
Sample No. **MF2-002 DMS 2nd Pass +20 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Tracy Gill
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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SGS Minerals Services
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Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0006-JUN07**
Sample No. **MF2-002 DMS 2nd Pass +20 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Tracy Gill
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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SGS Lakefield Research Limited
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2019 FAX: 705-652-3123

Metallurgical Operations
Attn : Jeff Brendon

Lakefield Monday, August 13, 2007

Date Rec. : 05 June 2007
LR. Ref. : MI0003-JUN07
Project : CALR-11622-001

CERTIFICATE OF ANALYSIS

Sample ID	*Dia #	*Dia (ct)
1: MF2S-003 DMS 1st Pass XRS Conc	0	0.000
2: MF2S-003 DMS 1st Pass Grease Conc	0	0.000

Maria Mezei, G.G. (GIA)
Diamond Selection Specialist

OnLine LIMS

SGS Minerals Services
185 Concession St., PO Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 25, 2007
LIMS No. **MI0003-JUN07**
Sample No. **MF2S-003 DMS**
1st Pass XRS Conc.

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Zakia Al Haddad
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS

SGS Minerals Services
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 25, 2007
LIMS No. **MI0003-JUN07**
Sample No. **MF2S-003 DMS**
1st Pass XRS Conc.

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg

Zakia

Selection
Zakia Al Haddad
Mineralogy Technician

TGill

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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SGS Minerals Services
185 Concession St., PO Box 4300
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 22, 2007
LIMS No. **MI0003-JUN07**
Sample No. **MF2S-003 DMS**
1st Pass Grease Conc.

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Wei Guo
Selection
Wei Guo
Mineralogy Technician

Tracy Gill
Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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Tel: (705) 652-2019
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DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 22, 2007
LIMS No. **MI0003-JUN07**
Sample No. **MF2S-003 DMS**
1st Pass Grease Conc.

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Wei Guo

Selection
Wei Guo
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS Lakefield Research Limited
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2019 FAX: 705-652-3123

Metallurgical Operations
Attn : Jeff Brendon

Lakefield Friday, June 29, 2007

Date Rec. : 08 June 2007
LR. Ref. : MI0007-JUN07
Project : CALR-11622-001

CERTIFICATE OF ANALYSIS

Sample ID	*Dia #	*Dia (ct)
1: MF2S-003 DMS 1st Pass +4M Non Mags	0	0.000
2: MF2S-003 DMS 1st Pass +6M Non Mags	0	0.000
3: MF2S-003 DMS 1st Pass +14M Non Mags	0	0.000
4: MF2S-003 DMS 1st Pass +20M Non Mags	0	0.000
5: MF2S-003 DMS 2nd Pass+4M Non Mags	---	---
6: MF2S-003 DMS 2nd Pass+6M Non Mags	0	0.000
7: MF2S-003 DMS 2nd Pass+14M Non Mags	0	0.000
8: MF2S-003 DMS 2nd Pass+20M Non Mags	0	0.000

Maria Mezei, G.G. (GIA)
Diamond Selection Specialist

OnLine LIMS

SGS Minerals Services
185 Concession St., PO Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0007-JUN07**
Sample No. **MF2S-003 DMS 1st Pass +4 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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SGS Minerals Services
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Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0007-JUN07**
Sample No. **MF2S-003 DMS 1st Pass +4 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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SGS Minerals Services
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0007-JUN07**
Sample No. **MF2S-003 DMS 1st Pass +6 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Zakia Al Haddad
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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SGS Minerals Services
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Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0007-JUN07**
Sample No. **MF2S-003 DMS 1st Pass +6 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Zakia Al Haddad
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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SGS

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Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0007-JUN07**
Sample No. **MF2S-003 DMS 1st Pass +14 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Zakia Al Haddad
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0007-JUN07**
Sample No. **MF2S-003 DMS 1st Pass +14 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Zakia Al Haddad
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0007-JUN07**
Sample No. **MF2S-003 DMS 1st Pass +20 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

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Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0007-JUN07**
Sample No. **MF2S-003 DMS 1st Pass +20 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0007-JUN07**
Sample No. **MF2S-003 DMS 2nd Pass +6 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0007-JUN07**
Sample No. **MF2S-003 DMS 2nd Pass +6 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0007-JUN07**
Sample No. **MF2S-003 DMS 2nd Pass +14 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Zakia Al Haddad
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0007-JUN07**
Sample No. **MF2S-003 DMS 2nd Pass +14 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Zakia Al Haddad
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0007-JUN07**
Sample No. **MF2S-003 DMS 2nd Pass +20 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0007-JUN07**
Sample No. **MF2S-003 DMS 2nd Pass +20 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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SGS Lakefield Research Limited
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2019 FAX: 705-652-3123

Metallurgical Operations
Attn : Jeff Brendon

Lakefield Monday, August 13, 2007

Date Rec. : 05 June 2007
LR. Ref. : MI0004-JUN07
Project : CALR-11622-001

CERTIFICATE OF ANALYSIS

Sample ID	*Dia #	*Dia (ct)
1: GF1-004 DMS 1st Pass XRS Conc	1	0.230
2: GF1-004 DMS 1st Pass Grease Conc	0	0.000
3: GF1-004 DMS 2nd Pass XRS Conc	0	0.000
4: GF1-004 DMS 2nd Pass Grease Conc	0	0.000

Maria Mezei, G.G. (GIA)
Diamond Selection Specialist

OnLine LIMS

SGS Minerals Services
185 Concession St., PO Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 12, 2007
LIMS No. **MI0004-JUN07**
Sample No. **GF1-004 DMS**
1st Pass XRS Conc.

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.230
Number of Diamonds: 1

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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SGS Minerals Services
185 Concession St., PO Box 4300
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Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 12, 2007
LIMS No. **MI0004-JUN07**
Sample No. **GF1-004 DMS**
1st Pass XRS Conc.

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	1	46.078	0.230
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	1	46.078	0.230

Total Weight (carats)*: 0.230

Number of Diamonds: 1

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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SGS Minerals Services
PO Box 4300, 185 Concession Street, Lakefield, Ontario K0L 2H0
Phone: 705-652-2019
Fax: 705-652-3123

June 12, 2007

DIAMOND SUMMARY

Project: **11622-001**

LIMS No. **MI0004-JUN07**
Sample No. **GF1-004 DMS**
1st Pass XRS Conc.

Client: **Metallurgical Operations**

No.	Stone Dimension, mm			Weight				Percent		Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation		Morphology
	> 9.50 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	6.70 to 9.50 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	4.75 to 6.70 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	3.35 to 4.75 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	2.36 to 3.35 mm fraction									
1				46.078	0.230390	White	Translucent	85%	Fragment with Crystal Faces, graphite inclusions, mineral coating, very significant cleavages	
1				46.078	0.230390	**Sub-Total**				

SGS Minerals Services
PO Box 4300, 185 Concession Street, Lakefield, Ontario K0L 2H0
Phone: 705-652-2019
Fax: 705-652-3123

June 12, 2007

DIAMOND SUMMARY

Project: **11622-001**

LIMS No. **MI0004-JUN07**
Sample No. **GF1-004 DMS**
1st Pass XRS Conc.

Client: **Metallurgical Operations**

No.	Stone Dimension, mm			Weight				Percent		Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation		Morphology
	1.70 to 2.36 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	1.18 to 1.70 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	0.85 to 1.18 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	< 0.85 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
1				46.078000	0.230390	**TOTAL**				

Note 1: Diamond Fragments - No Crystal Faces - Preservation (Resorption) cannot be estimated.

SGS Minerals Services
185 Concession St., PO Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 25, 2007
LIMS No. **MI0004-JUN07**
Sample No. **GF1-004 DMS**
1st Pass Grease Conc.

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Wei Guo
Selection
Wei Guo
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS Minerals Services
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 25, 2007
LIMS No. **MI0004-JUN07**
Sample No. **GF1-004 DMS**
1st Pass Grease Conc.

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Wei Guo
Selection
Wei Guo
Mineralogy Technician

Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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Phone: 705-652-2019
Fax: 705-652-3123

June 25, 2007

DIAMOND SUMMARY

Project: **11622-001**

LIMS No. **MI0004-JUN07**
Sample No. **GF1-004 DMS**
1st Pass Grease Conc.

Client: **Metallurgical Operations**

No.	Stone Dimension, mm			Weight				Percent		Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation		Morphology
	> 9.50 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	6.70 to 9.50 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	4.75 to 6.70 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	3.35 to 4.75 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	2.36 to 3.35 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				

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June 25, 2007

DIAMOND SUMMARY

Project: **11622-001**

LIMS No. **MI0004-JUN07**
Sample No. **GF1-004 DMS**
1st Pass Grease Conc.

Client: **Metallurgical Operations**

No.	Stone Dimension, mm			Weight				Percent		Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation		Morphology
	1.70 to 2.36 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	1.18 to 1.70 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	0.85 to 1.18 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
	< 0.85 mm fraction									
0					0.000000					
0				0.000	0.000000	**Sub-Total**				
0				0.000000	0.000000	**TOTAL**				

Note 1: Diamond Fragments - No Crystal Faces - Preservation (Resorption) cannot be estimated.

SGS Minerals Services
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 12, 2007
LIMS No. **MI0004-JUN07**
Sample No. **GF1-004 DMS**
2nd Pass XRS Conc.

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Tracy Gill
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS Minerals Services
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 12, 2007
LIMS No. **MI0004-JUN07**
Sample No. **GF1-004 DMS**
2nd Pass XRS Conc.

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Tracy Gill
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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185 Concession St., PO Box 4300
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Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 25, 2007
LIMS No. **MI0004-JUN07**
Sample No. **GF1-004 DMS**
2nd Pass Grease Conc.

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Wei Guo
Selection
Wei Guo
Mineralogy Technician

Tracy Gill
Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
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185 Concession St., PO Box 4300
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K0L 2H0, CANADA

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Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 25, 2007
LIMS No. **MI0004-JUN07**
Sample No. **GF1-004 DMS**
2nd Pass Grease Conc.

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Wei Guo
Selection
Wei Guo
Mineralogy Technician

Tracy Gill
Quality Control and Description
Tracy Gill
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS Lakefield Research Limited
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2019 FAX: 705-652-3123

Metallurgical Operations
Attn : Jeff Brendon

Lakefield Friday, June 29, 2007

Date Rec. : 08 June 2007
LR. Ref. : MI0008-JUN07
Project : CALR-11622-001

CERTIFICATE OF ANALYSIS

Sample ID	*Dia #	*Dia (ct)
1: GF1-004 DMS 1st Pass +4M Non Mags	0	0.000
2: GF1-004 DMS 1st Pass +6M Non Mags	0	0.000
3: GF1-004 DMS 1st Pass +14M Non Mags	0	0.000
4: GF1-004 DMS 1st Pass +20M Non Mags	0	0.000
5: GF1-004 DMS 2nd Pass+4M Non Mags	0	0.000
6: GF1-004 DMS 2nd Pass+6M Non Mags	---	---
7: GF1-004 DMS 2nd Pass+14M Non Mags	0	0.000
8: GF1-004 DMS 2nd Pass+20M Non Mags	0	0.000

Maria Mezei, G.G. (GIA)
Diamond Selection Specialist

OnLine LIMS

SGS Minerals Services
185 Concession St., PO Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0008-JUN07**
Sample No. **GF1-004 DMS 1st Pass +4 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS Minerals Services
185 Concession St., PO Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

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Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0008-JUN07**
Sample No. **GF1-004 DMS 1st Pass +4 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS Minerals Services
185 Concession St., PO Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0008-JUN07**
Sample No. **GF1-004 DMS 1st Pass +6 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS Minerals Services
185 Concession St., PO Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0008-JUN07**
Sample No. **GF1-004 DMS 1st Pass +6 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0008-JUN07**
Sample No. **GF1-004 DMS 1st Pass +14 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0008-JUN07**
Sample No. **GF1-004 DMS 1st Pass +14 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0008-JUN07**
Sample No. **GF1-004 DMS 1st Pass +20 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS Minerals Services
185 Concession St., PO Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0008-JUN07**
Sample No. **GF1-004 DMS 1st Pass +20 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS

SGS Minerals Services
185 Concession St., PO Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0008-JUN07**
Sample No. **GF1-004 DMS 2nd Pass +4 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Elaine Glover
Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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SGS Minerals Services
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0008-JUN07**
Sample No. **GF1-004 DMS 2nd Pass +4 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS

SGS Minerals Services
185 Concession St., PO Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0008-JUN07**
Sample No. **GF1-004 DMS 2nd Pass +14 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0008-JUN07**
Sample No. **GF1-004 DMS 2nd Pass +14 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

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K0L 2H0, CANADA

Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0008-JUN07**
Sample No. **GF1-004 DMS 2nd Pass +20 M Non Mags**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Not applicable
+150	Ferromagnetic Mag	Not applicable
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Not applicable
-20+150	Diamagnetic Non-mag (0.5 amp)	Not applicable

Total Weight (carats)*: 0.000
Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

SGS Minerals Services
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Tel: (705) 652-2019
Fax: (705) 652-3123

DIAMOND SUMMARY

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 29, 2007
LIMS No. **MI0008-JUN07**
Sample No. **GF1-004 DMS 2nd Pass +20 M Non Mags**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	> 9.50	0	0.000	0.000
	6.70 to 9.50	0	0.000	0.000
	4.75 to 6.70	0	0.000	0.000
	3.35 to 4.75	0	0.000	0.000
	2.36 to 3.35	0	0.000	0.000
	1.70 to 2.36	0	0.000	0.000
	1.18 to 1.70	0	0.000	0.000
	0.85 to 1.18	0	0.000	0.000
	< 0.85	0	0.000	0.000
	TOTAL	0	0.000	0.000

Total Weight (carats)*: 0.000

Number of Diamonds: 0

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection
Elaine Glover
Mineralogy Technician

Quality Control and Description
Zakia Al Haddad
Mineralogy Technician

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered.

Appendix II:

Diamond Results

Caustic Samples

DIAMOND EXTRACTION BY CAUSTIC DISSOLUTION

Introduction

Caustic dissolution of exploration samples efficiently produces a concentrate from which diamonds can readily be extracted during microscopic examination. The process takes advantage of diamond's property of high resistance to caustic soda (NaOH), eliminating diamond size reduction and loss that often occurs during extraction procedures that rely on crushing and attrition milling.

Procedure

The samples are processed according to the attached flowsheet. Very few minerals survive the harsh chemical attack, therefore weight reductions commonly exceed 99% of the initial sample weight.

As-received samples are divided into equally sized charges of less than 8 kg. Smaller charge sizes are necessary if the sample contains a high proportion of carbonate minerals, which are vigorously reactive with NaOH (the carbonate content is evaluated by an acid test prior to charge preparation). If a high proportion of the sample is composed of fragments larger than 8 cm, simple breakage, crushing or attrition milling may be required for an effective dissolution, or the length of the dissolution process may be increased. Client consultation and approval is necessary before any size reduction of the sample is initiated.

After digestion in molten caustic soda, the sample is poured onto a large-diameter 150 mesh (100 μm) screen. The + 150 mesh residue is liberated from the NaOH by washing the sample in a series of water and acid leach (HCl) baths. Once all of the NaOH is dissolved and removed, the concentrate is dried and screened on a 6 mesh screen to remove undigested material. The undigested material is examined microscopically by a mineralogist. If a significant amount of +6 mesh remains, or if the material consists of possible diamondiferous rock fragments, further digestion may be required. If the undigested material is of insignificant size or not considered as a possible source of diamonds, the -6 mesh residue is further processed by a two (possibly three if the residue is large) stage magnetic separation procedure utilising a permanent magnet and a Frantz Barrier Magnetic Separator.

The magnetically characterised residue is then submitted for microscopic examination and diamond selection. In addition to diamonds, the residue may contain partially undigested indicator minerals, colourless to opaque spinel, garnet, ilmenite, graphite, moissanite, zircon and kyanite. Each of the magnetic fractions is examined at a magnification of 40x using a binocular microscope. Grains of questionable mineralogy are examined using a scanning electron microscope equipped with an energy dispersive spectral (SEM-EDS) analyser. Although each magnetically characterised fraction is examined, particular emphasis is given to the diamagnetic portion.

The X, Y and Z dimensions of selected microdiamonds are measured in millimetres. Macrodiamonds are weighed individually while microdiamonds are weighed in groups by size fraction, with the milligram weight, in each case, converted to carats. The colour, clarity and morphology of each diamond are determined and all observations reported in

a Certificate of Analysis. Synthetic diamonds released into a sample by diamond drill bits are selected and reported as "syndites" on the diamond description sheet.

Quality Control

Routine quality control tests are utilized to evaluate the efficiency of the caustic dissolution processing technique, by spiking client samples with two sizes (35 mesh and 80 mesh) of synthetic diamonds (easily identifiable, colour treated diamond fragments. Recovery of the diamond spikes typically ranges from 97 to 100%, and for 2005 was 96% for the coarse spikes and 94% for the fine spikes. Further, 2002 statistics showed that an average of 1.18 indicator mineral grains (73% of which were oxides, 27% silicates) were carried over into the caustic soda blanks run between different client's samples.

Each caustic dissolution residue is picked twice by separate diamond pickers. Questionable grains are examined by SEM-EDS for verification.

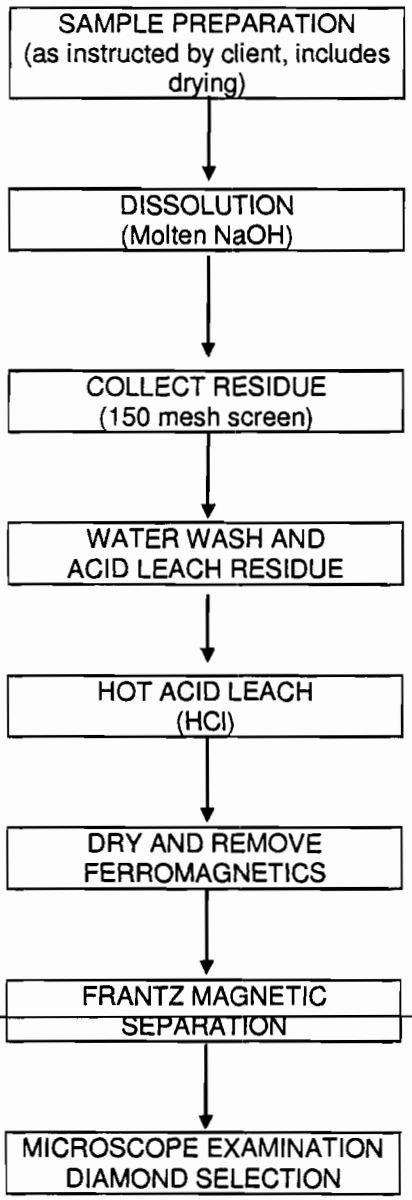
Every effort is made at each stage of sample handling during caustic dissolution, residue preparation and diamond picking to eliminate the possibility of contamination. These steps include:

- A rigorous sample tracking procedure.
- Dedicated screens and equipment for each sample during sample processing.
- Replacement of screens between each sample after pouring caustic soda.
- Thorough washing and scrubbing of all sample containers.
- Thorough cleaning of equipment used to prepare caustic residues between each processed sample.
- Sandblasting of each kiln pot between clients projects to ensure the removal of any microdiamonds or indicator minerals.

Customized flowsheets for sample processing utilising caustic dissolution and other sample preparation techniques (magnetic, gravity, flotation, acid leaching, etc.) can be developed, in consultation with the client, to meet specialised requirements.

SGS Lakefield Research Limited is not responsible for the determination of the origin, quality or valuation of any diamonds recovered unless otherwise instructed by the client.

Figure 1: Caustic Dissolution for Microdiamond Recovery



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Phone: 705-652-2019 FAX: 705-652-3123

Metallurgical Operations
Attn : Jeff Brendon

-

Lakefield Friday, August 03, 2007

Date Rec. : 30 May 2007
LR. Ref. : MI0002-MAY07
Project : CALR-11622-001

CERTIFICATE OF ANALYSIS

Sample ID	*Wt/kg per pour	*Dia #	*Dia (ct)	*Total pours
1: CF-MF1	7.85	26	0.002	5.0
2: CF-MF2	7.92	7	0.000	7.0
3: CF-MF2S	7.90	12	0.001	7.0
4: CF-GF1	8.00	14	0.002	8.0

Maria Mezei, G.G. (GIA)
Diamond Selection Specialist

OnLine LIMS

SGS Minerals Services
185 Concession St., Box 4300
Lakefield, Ontario
K0L 2H0, CANADA

Tel: (705) 652-2112
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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 25, 2007
LIMS No. **MI0002-MAY07**
Sample No. **CF-MF1**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Oxides and silicates
+150	Ferromagnetic Mag	Oxides and silicates
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates and graphite

Sample Weight: 31.38 kg
Number of Syndites: 0

Total Weight (carats)*: 0.002
Number of Diamonds: 26

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Note:
SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

Accredited by the Standards Council of Canada to the ISO/IEC Guide 25 standard for specific registered tests.

SGS Minerals Services
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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**
Client: **Metallurgical Operations**

Date: June 25, 2007
LIMS No. **MI0002-MAY07**
Sample No. **CF-MF1**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 µm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 µm	0	0.000	0.000
	-425 / + 300 µm	2	0.162	0.001
	-300 / +212 µm	2	0.041	0.000
	-212 / +150 µm	9	0.091	0.000
	-150 / +105 µm	13	0.061	0.000
	TOTAL	26	0.355	0.002

Sample Weight: 31.38 kg
Number of Syndites: 0

Total Weight (carats)*: 0.002
Number of Diamonds: 26

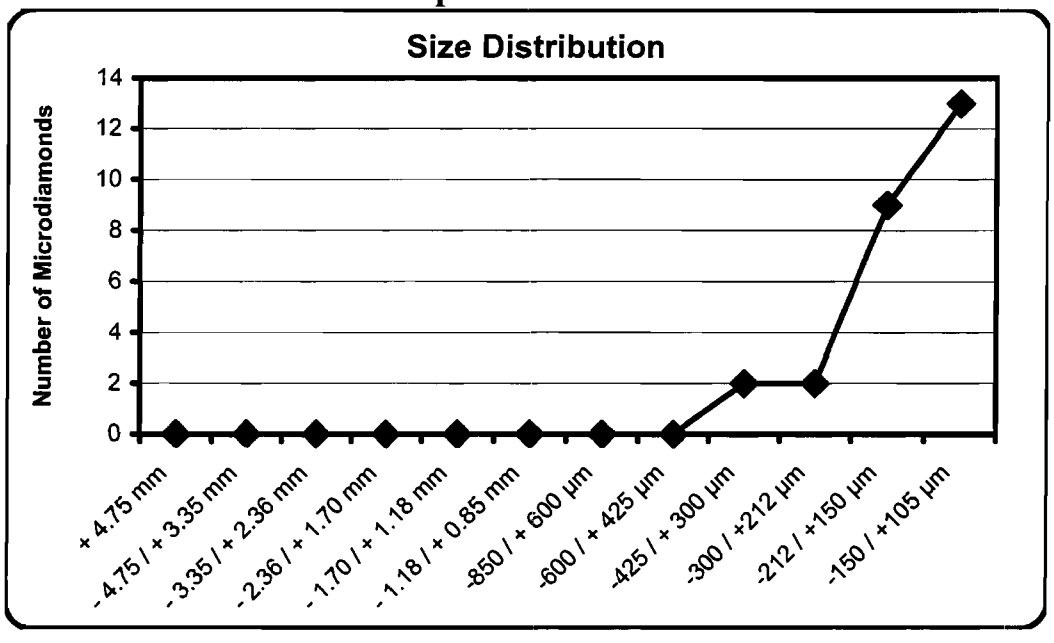
* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

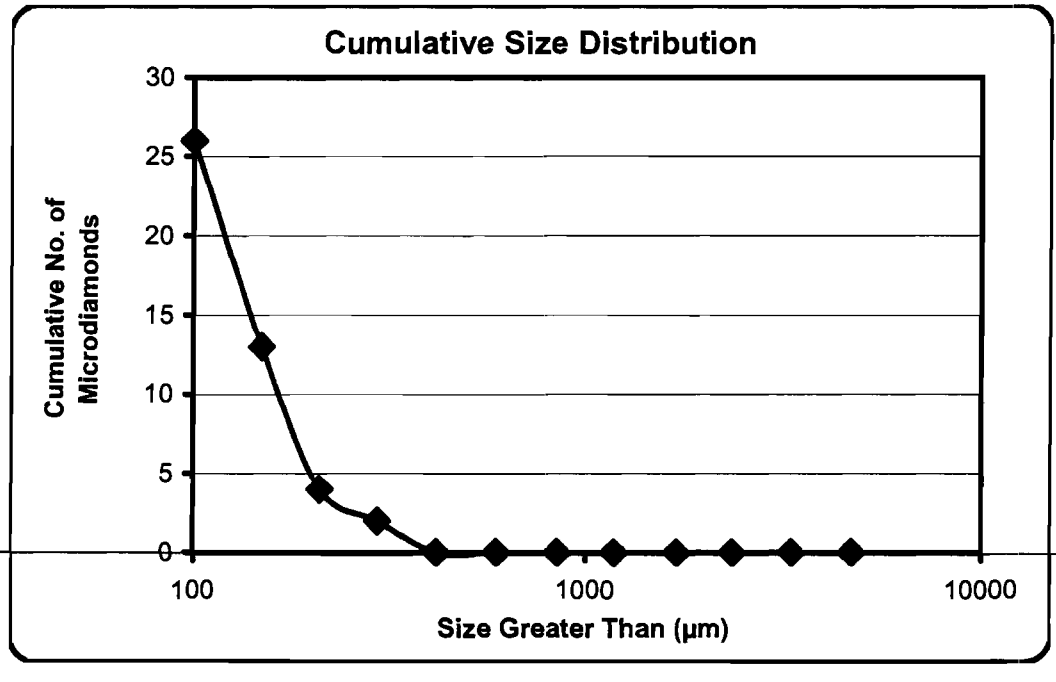
Note:

SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups.

Accredited by the Standards Council of Canada to the ISO/IEC Guide 25 standard for specific registered tests.

Sample No. CF-MF1





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June 25, 2007

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**

LIMS No. **MI0002-MAY07**
Sample No. **CF-MF1**
Sample Weight: 31.38 kg

Client: **Metallurgical Operations**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 4.75 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-4.75 / + 3.35 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-3.35 / + 2.36 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-2.36 / + 1.70 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-1.70 / + 1.18 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-1.18 / + 0.85 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			

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June 25, 2007

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**

LIMS No. **MI0002-MAY07**
Sample No. **CF-MF1**
Sample Weight: 31.38 kg

Client: **Metallurgical Operations**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	-850 / + 600 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-425 / + 300 µm fraction								
1	0.43	0.37	0.34		0.000000	White	Translucent	75%	Dodecahedral, twinned
2	0.46	0.37	0.27		0.000000	White	Transparent	95%	Octahedral, twinned, graphite inclusions, stepped faces
2				0.162	0.000810	**Sub-Total**			
	-300 / + 212 µm fraction								
1	0.26	0.26	0.20		0.000000	White	Translucent	95%	Octahedral, stepped faces
2	0.29	0.29	0.15		0.000000	White	Translucent	75%	Dodecahedral, twinned, frosted
2				0.041	0.000205	**Sub-Total**			
	-212 / + 150 µm fraction								
1	0.26	0.26	0.14		0.000000	White	Translucent	75%	Aggregate, frosted
2	0.23	0.23	0.15		0.000000	White	Translucent	95%	Octahedral, twinned, graphite inclusions, stepped faces
3	0.26	0.20	0.14		0.000000	White	Translucent	85%	Octahedral, partially distorted, frosted
4	0.20	0.17	0.11		0.000000	White	Translucent	95%	Octahedral, twinned, stepped faces, graphite inclusions
5	0.17	0.17	0.09		0.000000	White	Transparent	95%	Macle, twinned, graphite inclusions
6	0.23	0.14	0.16		0.000000	White	Translucent	95%	Octahedral, stepped faces
7	0.20	0.17	0.11		0.000000	White	Translucent	95%	Octahedral, stepped faces
8	0.20	0.14	0.15		0.000000	Off White	Translucent	75%	Dodecahedral, twinned, partially distorted, frosted
9	0.23	0.17	0.11		0.000000	White	Translucent	75%	Dodecahedral, twinned, partially distorted, frosted
9				0.091	0.000455	**Sub-Total**			

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June 25, 2007

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**

LIMS No. **MI0002-MAY07**
Sample No. **CF-MF1**
Sample Weight: 31.38 kg

Client: **Metallurgical Operations**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	-150 / + 105 µm fraction								
1	0.17	0.11	0.70		0.000000	White	Transparent	95%	Octahedral, twinned
2	0.14	0.11	0.10		0.000000	White	Translucent	75%	Dodecahedral, twinned, frosted
3	0.17	0.11	0.10		0.000000	White	Translucent	95%	Fragment with Crystal Faces, twinned, stepped faces
4	0.14	0.11	0.07		0.000000	White	Translucent	75%	Dodecahedral, partially frosted
5	0.20	0.14	0.13		0.000000	White	Transparent	95%	Octahedral, stepped faces, graphite inclusions, partially distorted
6	0.14	0.11	0.11		0.000000	White	Translucent	95%	Octahedral, stepped faces
7	0.14	0.14	0.11		0.000000	White	Translucent	95%	Octahedral, stepped faces
8	0.14	0.20	0.09		0.000000	White	Translucent	75%	Dodecahedral, partially distorted
9	0.17	0.14	0.08		0.000000	White	Transparent	95%	Octahedral surface fragment
10	0.14	0.11	0.08		0.000000	White	Translucent	95%	Octahedral surface fragment, stepped faces
11	0.17	0.14	0.10		0.000000	White	Translucent	75%	Dodecahedral
12	0.14	0.11	0.09		0.000000	White	Translucent	85%	Octahedral, twinned, stepped faces
13	0.20	0.14	0.09		0.000000	White	Transparent	95%	Octahedral, stepped faces, twinned
13				0.061	0.000305	**Sub-Total**			
26					0.001775	**TOTAL**			

Note 1: Diamond Fragments - No Crystal Faces - Preservation (Resorption) cannot be estimated.

SGS

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**
Client: **Metallurgical Operations**

Date: August 3, 2007
LIMS No. **MI0002-MAY07**
Sample No. **CF-MF2**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Oxides and silicates
+150	Ferromagnetic Mag	Oxides and silicates
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates and graphite

Sample Weight: 31.70 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 7

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Eileen Kimmett
Selection and Description
Eileen Kimmett
Mineralogy Technician

E Valeyeva
Quality Control
Elena Valeyeva
Mineralogy Technician

Note:

SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

Accredited by the Standards Council of Canada to the ISO/IEC Guide 25 standard for specific registered tests.

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**
Client: **Metallurgical Operations**

Date: August 3, 2007
LIMS No. **MI0002-MAY07**
Sample No. **CF-MF2**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 μm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 μm	0	0.000	0.000
	-425 / + 300 μm	0	0.000	0.000
	-300 / +212 μm	0	0.000	0.000
	-212 / +150 μm	3	0.032	0.000
	-150 / +105 μm	4	0.021	0.000
	TOTAL	7	0.053	0.000

Sample Weight: 31.70 kg
Number of Syndites: 0

Total Weight (carats)*: 0.000
Number of Diamonds: 7

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection and Description
Eileen Kimmett
Mineralogy Technician

Quality Control
Elena Valeyeva
Mineralogy Technician

Note:
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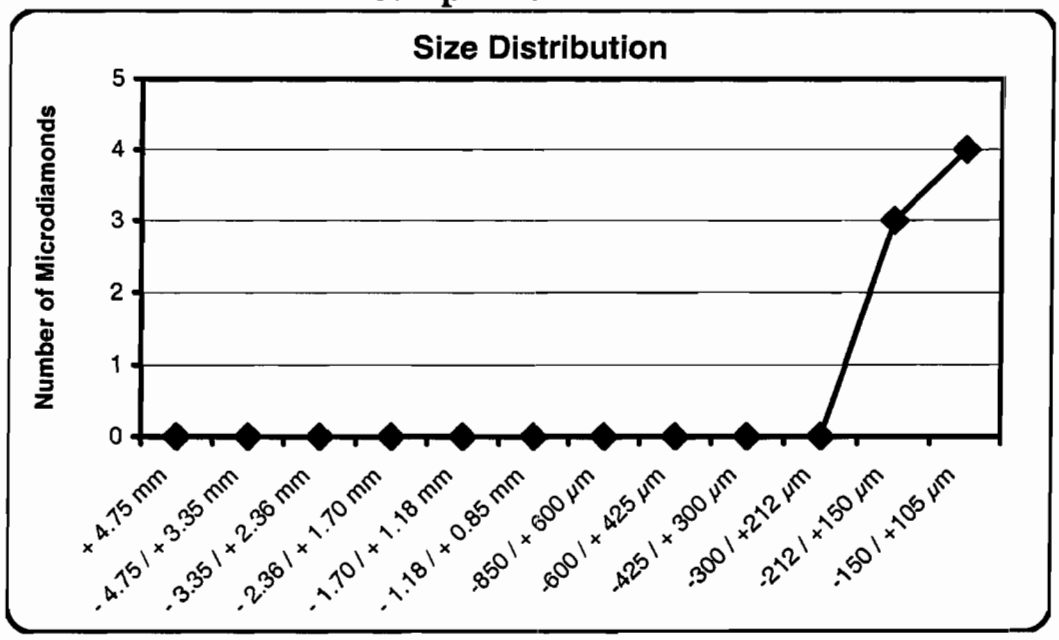
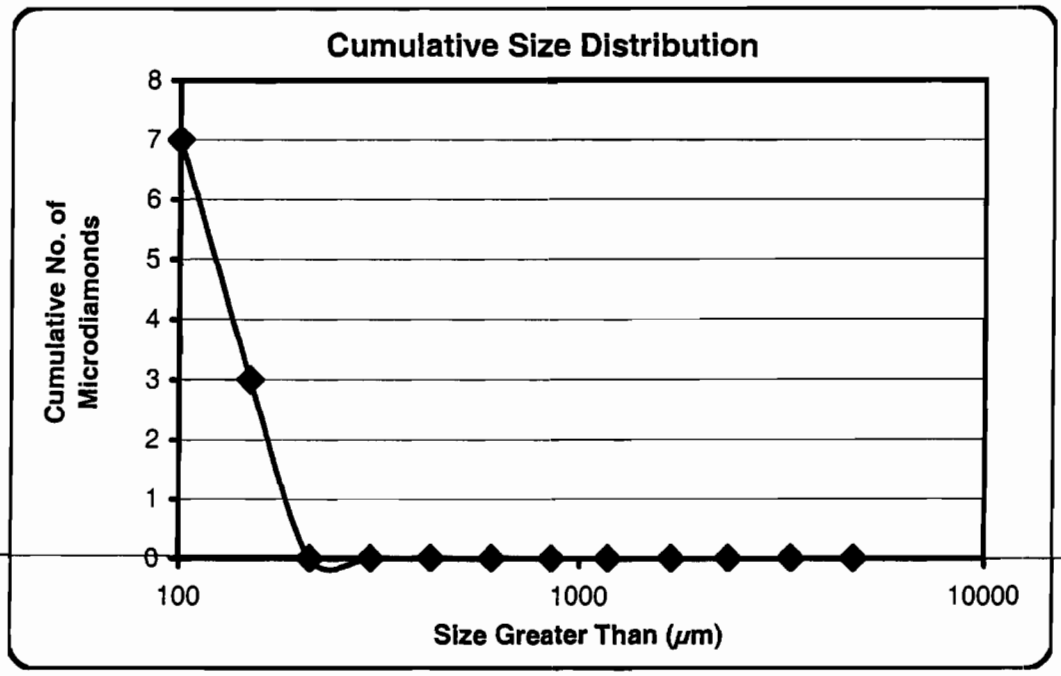
Sample No. CF-MF2





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Fax: 705-652-3123

August 3, 2007

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**

Client: **Metallurgical Operations**

LIMS No. **MI0002-MAY07**
Sample No. **CF-MF2**
Sample Weight: 31.70 kg

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 4.75 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-4.75 / + 3.35 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-3.35 / + 2.36 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-2.36 / + 1.70 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-1.70 / + 1.18 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-1.18 / + 0.85 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			

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August 3, 2007

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**

LIMS No. **MI0002-MAY07**
Sample No. **CF-MF2**
Sample Weight: 31.70 kg

Client: **Metallurgical Operations**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	-850 / + 600 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-425 / + 300 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-300 / + 212 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-212 / + 150 µm fraction								
1	0.31	0.23	0.11		0.000000	White	Transparent	Note 1	Fragment on which crystal faces unrecognizable, minor cleavages
2	0.17	0.17	0.10		0.000000	White	Translucent	75%	Dodecahedral, twinned, pitted
3	0.20	0.17	0.11		0.000000	White	Translucent	85%	Octahedral, stepped faces
3				0.032	0.000160	**Sub-Total**			
	-150 / + 105 µm fraction								
1	0.14	0.14	0.10		0.000000	White	Translucent	85%	Octahedral, stepped faces
2	0.14	0.11	0.10		0.000000	White	Translucent	75%	Dodecahedral, stepped faces, graphite inclusions
3	0.17	0.14	0.10		0.000000	White	Translucent	62.5%	Tetrahexahedral, partially frosted, stepped faces, mineral coating
4	0.14	0.14	0.10		0.000000	Off White	Translucent	62.5%	Tetrahexahedral, stepped faces, frosted, mineral coating
4				0.021	0.000105	**Sub-Total**			
7					0.000265	**TOTAL**			

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**

LIMS No. **MI0002-MAY07**
Sample No. **CF-MF2**
Sample Weight: 31.70 kg

Client: **Metallurgical Operations**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology

Note 1: Diamond Fragments - No Crystal Faces - Preservation (Resorption) cannot be estimated.

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**
Client: **Metallurgical Operations**

Date: August 3, 2007
LIMS No. **MI0002-MAY07**
Sample No. **CF-MF2S**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Oxides
+150	Ferromagnetic Mag	Oxides
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates and graphite

Sample Weight: 31.70 kg
Number of Syndites: 0

Total Weight (carats)*: 0.001
Number of Diamonds: 12

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection and Description
Eileen Kimmett
Mineralogy Technician

Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

Accredited by the Standards Council of Canada to the ISO/IEC Guide 25 standard for specific registered tests.

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**
Client: **Metallurgical Operations**

Date: August 3, 2007
LIMS No. **MI0002-MAY07**
Sample No. **CF-MF2S**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 μm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 μm	0	0.000	0.000
	-425 / + 300 μm	0	0.000	0.000
	-300 / +212 μm	1	0.043	0.000
	-212 / +150 μm	4	0.054	0.000
	-150 / +105 μm	7	0.032	0.000
	TOTAL	12	0.129	0.001

Sample Weight: 31.70 kg
Number of Syndites: 0

Total Weight (carats)*: 0.001
Number of Diamonds: 12

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection and Description
Eileen Kimmett
Mineralogy Technician

Quality Control
Maria Mezei
Diamond Selection Specialist

Note:

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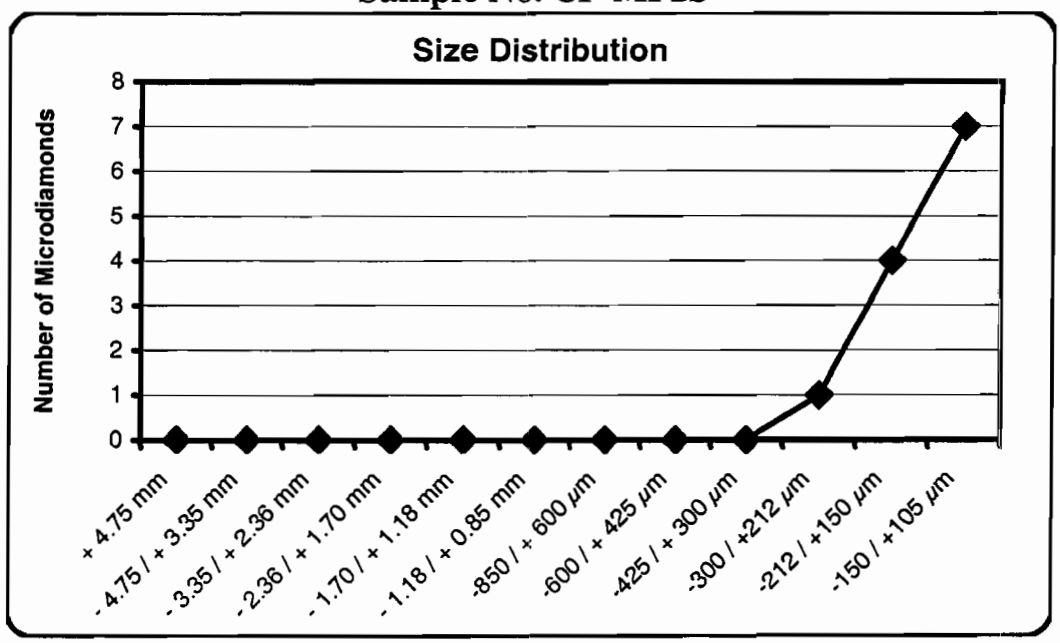
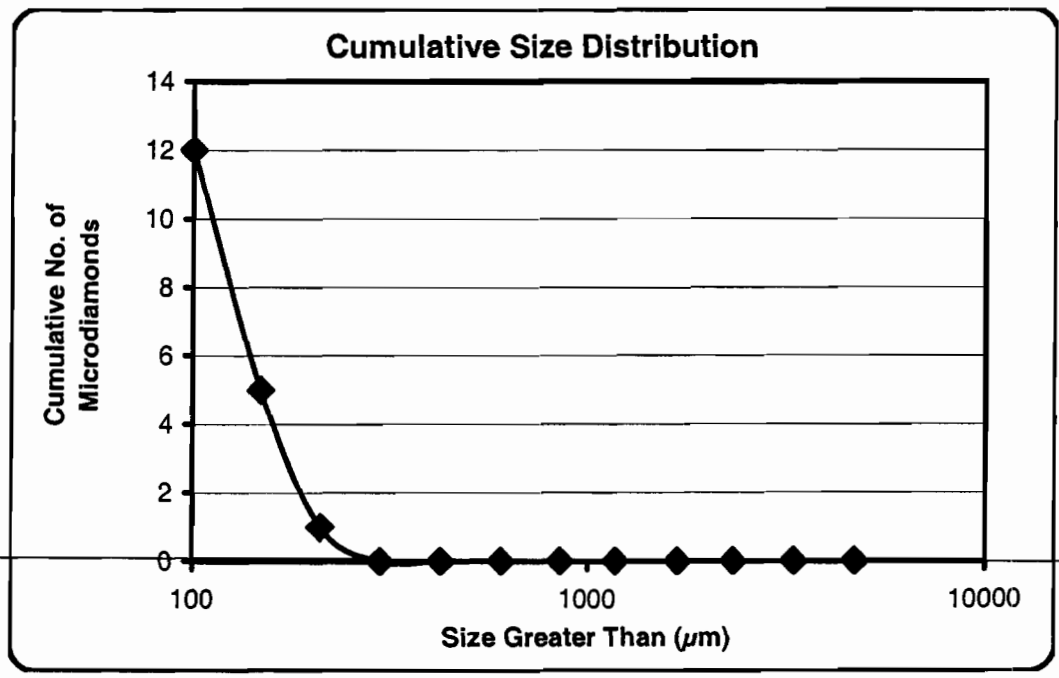
Accredited by the Standards Council of Canada to the ISO/IEC Guide 25 standard for specific registered tests.

Sample No. CF-MF2S





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August 3, 2007

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**

LIMS No. **MI0002-MAY07**
Sample No. **CF-MF2S**
Sample Weight: 31.70 kg

Client: **Metallurgical Operations**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 4.75 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-4.75 / + 3.35 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-3.35 / + 2.36 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-2.36 / + 1.70 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-1.70 / + 1.18 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-1.18 / + 0.85 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			

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August 3, 2007

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**

LIMS No. **MI0002-MAY07**
Sample No. **CF-MF2S**
Sample Weight: 31.70 kg

Client: **Metallurgical Operations**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	-850 / + 600 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-600 / + 425 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-425 / + 300 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-300 / + 212 µm fraction								
1	0.40	0.26	0.13		0.000000	White	Transparent	62.5%	Tetrahexahedral, partially distorted, partially frosted
1				0.043	0.000215	**Sub-Total**			
	-212 / + 150 µm fraction								
1	0.23	0.20	0.12		0.000000	Off White	Transparent	95%	Macle, stepped faces
2	0.29	0.23	0.16		0.000000	White	Transparent	85%	Fragment with Crystal Faces, graphite inclusions, partially frosted
3	0.26	0.20	0.15		0.000000	Off White	Translucent	75%	Dodecahedral, partially frosted, stepped faces
4	0.20	0.17	0.11		0.000000	Off White	Transparent	85%	Octahedral, twinned, stepped faces
4				0.054	0.000270	**Sub-Total**			

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August 3, 2007

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**

LIMS No. **MI0002-MAY07**
Sample No. **CF-MF2S**
Sample Weight: 31.70 kg

Client: **Metallurgical Operations**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	-150 / + 105 µm fraction								
1	0.14	0.14	0.09		0.000000	Off White	Translucent	85%	Octahedral, stepped faces, partially frosted
2	0.14	0.14	0.09		0.000000	White	Transparent	95%	Octahedral, stepped faces
3	0.17	0.14	0.07		0.000000	White	Translucent	95%	Octahedral, stepped faces, partially frosted
4	0.14	0.11	0.10		0.000000	White	Transparent	85%	Octahedral, twinned
5	0.14	0.11	0.11		0.000000	White	Translucent	85%	Octahedral, partially frosted, partially distorted
6	0.17	0.14	0.05		0.000000	Off White	Translucent	62.5%	Tetrahexahedral surface fragment, partially frosted
7	0.14	0.11	0.08		0.000000	White	Transparent	85%	Octahedral, stepped faces
7				0.032	0.000160	**Sub-Total**			
12					0.000645	**TOTAL**			

Note 1: Diamond Fragments - No Crystal Faces - Preservation (Resorption) cannot be estimated.

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**
Client: **Metallurgical Operations**

Date: August 3, 2007
LIMS No. **MI0002-MAY07**
Sample No. **CF-GF1**

Mesh	Fraction	Dissolution Residue Description
+6	Ferromagnetic Non-mag	Not applicable
-6+20	Ferromagnetic Non-mag	Oxides and silicates
+150	Ferromagnetic Mag	Oxides
-20+150	Paramagnetic Mag (0.1 amp)	Not applicable
-20+150	Paramagnetic Mag (0.3 amp)	Not applicable
-20+150	Diamagnetic Mag (0.5 amp)	Oxides and silicates
-20+150	Diamagnetic Non-mag (0.5 amp)	Oxides, silicates and graphite

Sample Weight: 32.00 kg
Number of Syndites: 0

Total Weight (carats)*: 0.002
Number of Diamonds: 14

* Total Weight (carats) was calculated from mg weights. All reported mg weights are measured to within 0.002 mg.

Selection and Description
Eileen Kimmett
Mineralogy Technician

Quality Control
Elena Valeyeva
Mineralogy Technician

Note:

SGS Minerals Services is not responsible for the determination of the origin, quality or value of any diamonds recovered. Each +35 mesh (Tyler sieve; +0.420 mm) stone was individually weighed, and the -35 mesh stones were weighed in groups. Stone dimensions are limited to accuracy of three dimensional measurements of irregular shapes using a petrographic microscope.

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DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**
Client: **Metallurgical Operations**

Date: August 3, 2007
LIMS No. **MI0002-MAY07**
Sample No. **CF-GF1**

	Diamond Size Fractions	Number of Stones in Group	Group Weight (mg)	Group Carats (calculated)
Stones Described and Weighed Individually	+ 4.75 mm	0	0.000	0.000
	- 4.75 / + 3.35 mm	0	0.000	0.000
	- 3.35 / + 2.36 mm	0	0.000	0.000
	- 2.36 / + 1.70 mm	0	0.000	0.000
	- 1.70 / + 1.18 mm	0	0.000	0.000
	- 1.18 / + 0.85 mm	0	0.000	0.000
	-850 / + 600 µm	0	0.000	0.000
Stones Described Individually / Group Weighed	-600 / + 425 µm	1	0.302	0.002
	-425 / + 300 µm	0	0.000	0.000
	-300 / +212 µm	3	0.058	0.000
	-212 / +150 µm	3	0.032	0.000
	-150 / +105 µm	7	0.024	0.000
	TOTAL	14	0.416	0.002

Sample Weight: 32.00 kg
Number of Syndites: 0

Total Weight (carats)*: 0.002
Number of Diamonds: 14

* Total Weight (carats) was calculated from mg weights. All reported mg weights are weighed to within 0.002 mg.

Selection and Description
Eileen Kimmett
Mineralogy Technician

Quality Control
Elena Valeyeva
Mineralogy Technician

Note:

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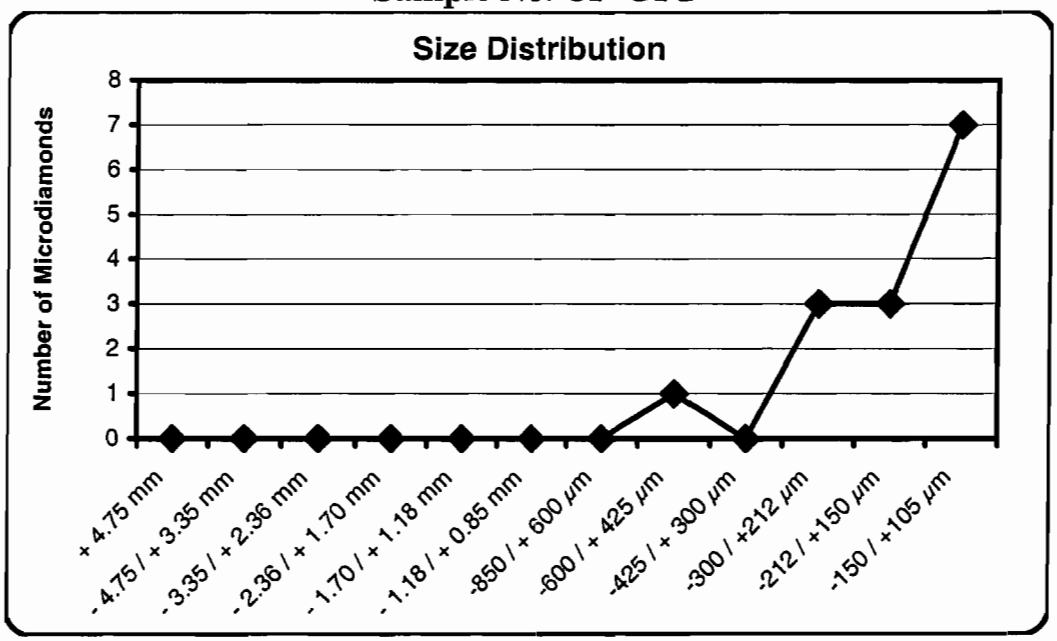
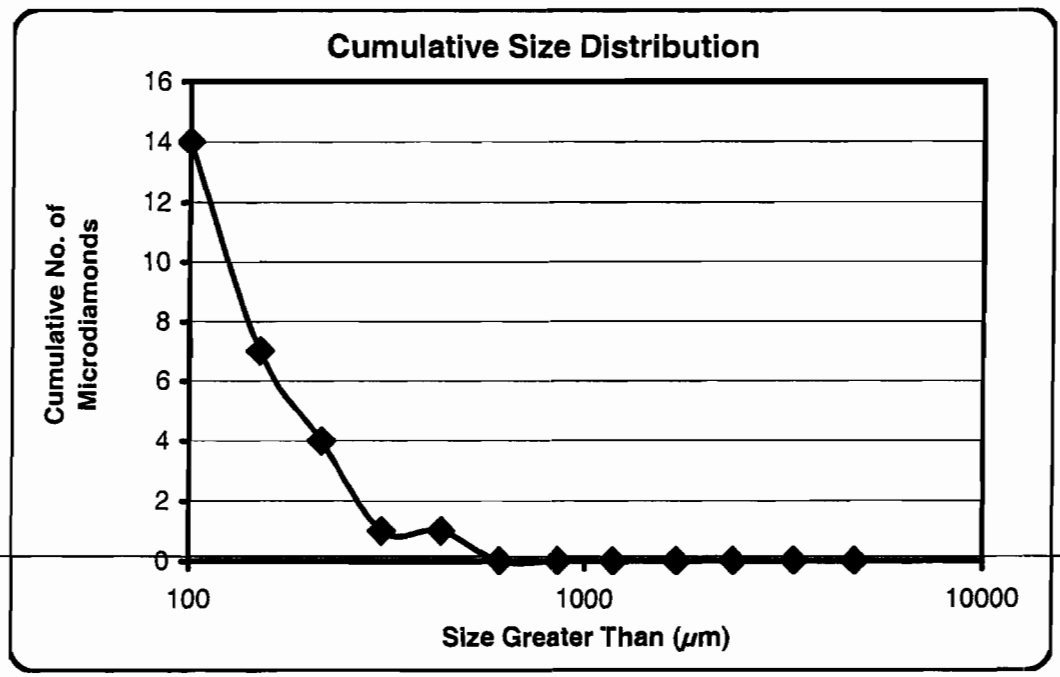
Sample No. CF-GF1





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August 3, 2007

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**

LIMS No. **MI0002-MAY07**
Sample No. **CF-GF1**
Sample Weight: 32.00 kg

Client: **Metallurgical Operations**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	+ 4.75 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-4.75 / + 3.35 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-3.35 / + 2.36 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-2.36 / + 1.70 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-1.70 / + 1.18 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-1.18 / + 0.85 mm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			

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August 3, 2007

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**

LIMS No. **MI0002-MAY07**
Sample No. **CF-GF1**
Sample Weight: 32.00 kg

Client: **Metallurgical Operations**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
	-850 / + 600 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-600 / + 425 µm fraction								
1	0.66	0.60	0.51		0.000000	White	Transparent	99+%	Octahedral, twinned, stepped faces, extreme cleavages
1				0.302	0.001510	**Sub-Total**			
	-425 / + 300 µm fraction								
0					0.000000				
0				0.000	0.000000	**Sub-Total**			
	-300 / + 212 µm fraction								
1	0.31	0.31	0.08		0.000000	White	Transparent	95%	Macle, significant cleavages
2	0.34	0.26	0.17		0.000000	White	Translucent	75%	Fragment with Crystal Faces, partially frosted, significant cleavages
3	0.26	0.26	0.26		0.000000	Off White	Translucent	85%	Octahedral, stepped faces, twinned
3				0.058	0.000290	**Sub-Total**			
	-212 / + 150 µm fraction								
1	0.26	0.23	0.12		0.000000	White	Translucent	85%	Octahedral, stepped faces, partially distorted
2	0.31	0.20	0.12		0.000000	White	Transparent	95%	Octahedral, twinned, stepped faces
3	0.23	0.23	0.08		0.000000	White	Transparent	95%	Octahedral surface fragment, twinned, stepped faces
3				0.032	0.000160	**Sub-Total**			

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August 3, 2007

DIAMOND RECOVERY BY CAUSTIC DISSOLUTION

Project: **11622-001**

LIMS No. **MI0002-MAY07**
Sample No. **CF-GF1**
Sample Weight: 32.00 kg

Client: **Metallurgical Operations**

No.	Stone Dimension, mm			Weight				Percent	Stone Description
	X	Y	Z	mg	Carats	Colour	Clarity	Preservation	Morphology
-150 / + 105 µm fraction									
1	0.17	0.14	0.10		0.000000	White	Transparent	95%	Octahedral surface fragment, stepped faces
2	0.20	0.20	0.05		0.000000	White	Transparent	95%	Macle, significant cleavages
3	0.17	0.14	0.10		0.000000	White	Transparent	95%	Octahedral surface fragment, significant cleavages
4	0.14	0.09	0.11		0.000000	White	Transparent	95%	Octahedral surface fragment, partially distorted
5	0.14	0.14	0.10		0.000000	White	Transparent	95%	Octahedral, twinned surface fragment
6	0.17	0.11	0.09		0.000000	White	Transparent	95%	Fragment with Crystal Faces, significant cleavages
7	0.14	0.11	0.10		0.000000	White	Transparent	95%	Octahedral, stepped faces
7				0.024	0.000120	**Sub-Total**			
14					0.002080	**TOTAL**			

Note 1: Diamond Fragments - No Crystal Faces - Preservation (Resorption) cannot be estimated.

Appendix III:

Kimberlitic Indicator Minerals

Sample Report

KIMBERLITE INDICATOR MINERAL CONCENTRATION AND SELECTION

prepared for

Metallurgical Operations

11622-001 LIMS#MI1000-JUN07
June 25, 2007

NOTE:
This report refers to the samples as received.

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Member of the SGS Group (SGS SA)

Summary

Four samples, identified as KIM-MF1, KIM-MF2, KIM-MF2S and KIM-GF1 were submitted for till sample processing and kimberlite indicator mineral selection.

Method

Each sample was wet screened at 10 and 60 mesh. Approximately 500 g of the -60 mesh fraction was dried and stored. The +10 mesh and -10+60 mesh fractions were submitted for heavy liquid separation (Methylene iodide @ 3.1 g/cc). Following heavy liquid separation, the Sink material was cleaned in an ultrasonic bath. The sample was dried, weighed and submitted for dry screening (20 and 35 mesh) and magnetic separation (hand-magnet and Frantz electromagnetic separator).

The mineral concentrates were observed with a binocular microscope for the selection of kimberlite indicator mineral species. A generalised flowsheet for this procedure is given in Appendix 1.

Recommendations

Further information about the potential kimberlite diamond prospectivity may be gained by analyzing the selected kimberlite indicator minerals by electron microprobe.

SGS Minerals Services
June 25, 2007

Kim Gibbs, H.B.Sc., P.Geo.
Mineralogist

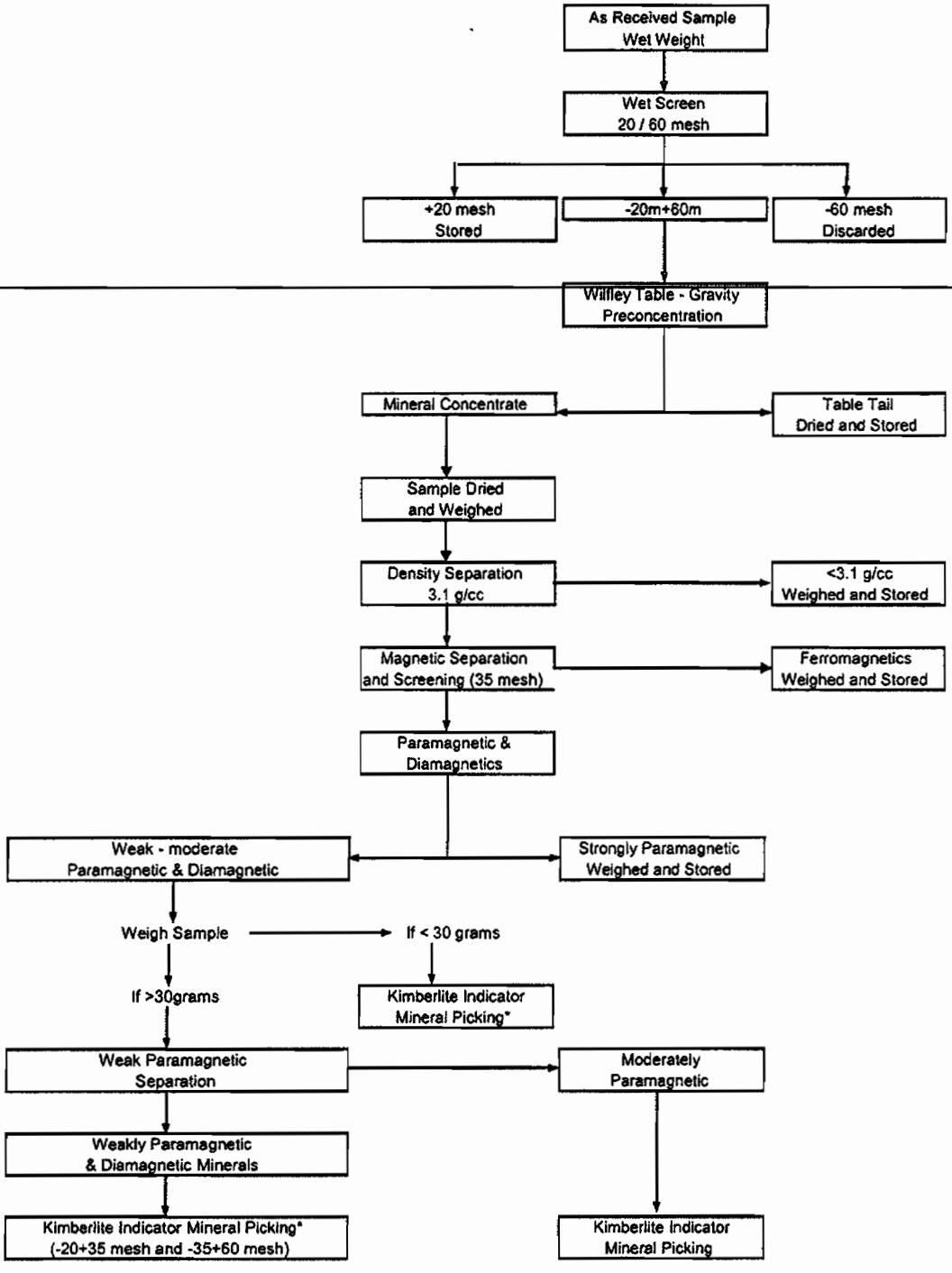
Hugh de Souza, Ph.D., P.Geo.
Group Leader - Diamond Exploration Services

Sample Processing by: Nathan Vanderbyl and Rick Wittekoek
Mineral Selection by: Sandra Thomas, Wei Guo and Eileen Kimmett

Appendix 1

KIMBERLITE INDICATOR MINERAL EXTRACTION FLOWSHEET

Kimberlite Indicator Mineral Extraction Flowsheet From Till, Gravel and Sand



*Primary kimberlite indicator mineral fractions

Appendix 2

RESULTS OF KIMBERLITE INDICATOR MINERAL SELECTION

SGS Minerals Services
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Phone: 705-652-2112 Fax: 705-652-3123

CERTIFICATE OF ANALYSIS

Date: June 19, 2007

Project: 11622-001 **Client: Metallurgical Operations** **LIMS No: MI1000-JUN07**

Size Fraction			KIMBERLITE INDICATOR MINERALS															
+10 mesh			PRP		ECL		CPX		ILM		CHR		OPX		OLI		INITIALS	
No.	Sample ID	Sink Weight (g)	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Picker	QC Picker
1	KIM-MF1	40.64	18	-	-	-	0	-	2	-	0	-	0	-	25	-	EK	-
2	KIM-MF2	5.17	10	0	-	-	0	0	1	0	0	0	2	0	25	0	ST	EK
3	KIM-MF2S	0.71	9	0	-	-	0	0	0	0	0	0	5	0	1	0	WG	EK
4	KIM-GF1	59.06	12	-	-	-	0	-	2	-	0	-	0	-	25	-	ST	-

Note: The selected grains must be chemically analysed to classify the minerals as diamond indicators.
****Many indicator minerals have remnants of kelyphite and remnants of kimberlite.**

MINERALS

PRP PYROPE GARNET
ECL ECLOGITIC GARNET
CPX CLINOPYROXENE
ILM ILMENITE
CHR CHROMITE
OPX ORTHOPYROXENE
OLI OLIVINE

Hugh DeSouza, Ph.D, P.Geo.
Group Leader - Diamond Exploration Services

Accredited by the Standards Council of Canada to the ISO/IEC Guide 25 standard for specific registered tests.

SGS Minerals Services
P.O. Box 4300, 185 Concession Street,
Lakefield, Ontario K0L 2H0
Phone: 705-652-2112 Fax: 705-652-3123

CERTIFICATE OF ANALYSIS

Project: 11622-001 **Client: Metallurgical Operations**

Date: June 19, 2007
LIMS No: MI1000-JUN07

Size Fraction			KIMBERLITE INDICATOR MINERALS															
-10 +20 mesh			PRP		ECL		CPX		ILM		CHR		OPX		OLI		INITIALS	
No.	Sample ID	Sink Weight (g)	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Picker	QC Picker
1	KIM-MF1	87.08	82	-	-	-	22	-	9	-	19	-	0	-	25	-	EK	-
2	KIM-MF2	13.18	87	-	-	-	6	0	2	0	22	0	5	0	-	-	ST	EK
3	KIM-MF2S	1.11	91	-	-	-	5	0	0	0	7	0	1	0	24	-	WG	EK
4	KIM-GF1	97.10	78	-	-	-	3	-	4	-	41	-	25	-	-	-	ST	-

Note: **The selected grains must be chemically analysed to classify the minerals as diamond indicators.**

MINERALS

PRP PYROPE GARNET
ECL ECLOGITIC GARNET
CPX CLINOPYROXENE
ILM ILMENITE
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CERTIFICATE OF ANALYSIS

Date: June 19, 2007

Project: 11622-001 **Client: Metallurgical Operations** **LIMS No: MI1000-JUN07**

Size Fraction			KIMBERLITE INDICATOR MINERALS															
-20 +35 mesh			PRP		ECL		CPX		ILM		CHR		OPX		OLI		INITIALS	
No.	Sample ID	Sink Weight (g)	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Picker	QC Picker
1	KIM-MF1	86.58	-	-	-	-	3	-	7	-	81	-	25	-	-	-	EK	-
2	KIM-MF2	13.70	3	-	-	-	19	-	2	0	78	-	11	0	-	-	ST	EK
3	KIM-MF2S	1.37	-	-	-	-	20	-	0	0	85	0	19	0	-	-	WG	EK
4	KIM-GF1	70.46	10	-	-	-	22	-	5	-	59	-	-	-	-	-	ST	-

Note: **The selected grains must be chemically analysed to classify the minerals as diamond indicators.**

MINERALS

PRP PYROPE GARNET
ECL ECLOGITIC GARNET
CPX CLINOPYROXENE
ILM ILMENITE
CHR CHROMITE
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CERTIFICATE OF ANALYSIS

Project: 11622-001 **Client: Metallurgical Operations**

Date: June 19, 2007
LIMS No: MI1000-JUN07

Size Fraction			KIMBERLITE INDICATOR MINERALS															
-35 +60 mesh			PRP		ECL		CPX		ILM		CHR		OPX		OLI		INITIALS	
No.	Sample ID	Sink Weight (g)	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Pick 1	QC Pick	Picker	QC Picker
1	KIM-MF1	55.34	-	-	-	-	-	-	2	-	-	-	-	-	-	-	EK	-
2	KIM-MF2	11.05	-	-	-	-	-	-	6	0	-	-	7	-	-	-	ST	EK
3	KIM-MF2S	1.30	-	-	-	-	-	-	5	0	8	-	-	-	-	-	ST	EK
4	KIM-GF1	37.19	-	-	-	-	-	-	0	-	-	-	-	-	-	-	ST	-

Note: **The selected grains must be chemically analysed to classify the minerals as diamond indicators.**

MINERALS

PRP PYROPE GARNET
ECL ECLOGITIC GARNET
CPX CLINOPYROXENE
ILM ILMENITE
CHR CHROMITE
OPX ORTHOPYROXENE
OLI OLIVINE

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Group Leader - Diamond Exploration Services

Appendix IV:

DMS Processing Data

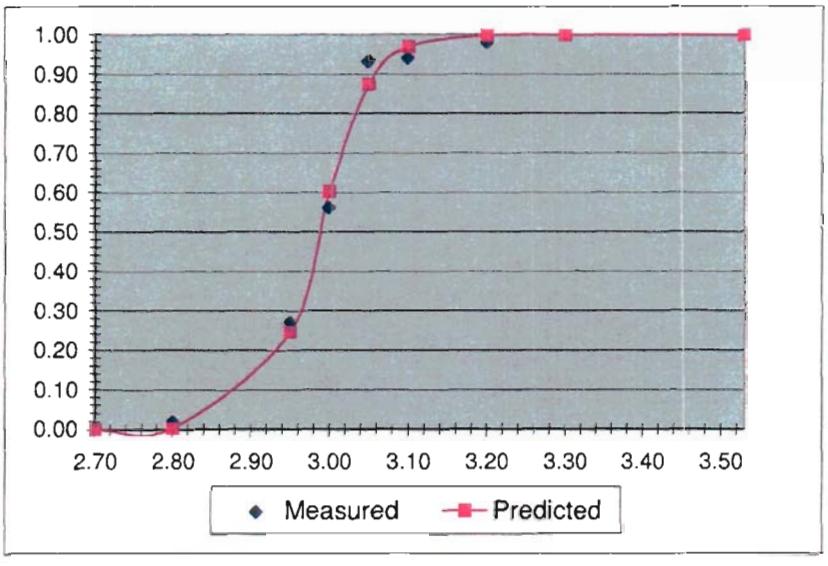
KWG Resources Ltd Project 11622-001
EPM Efficiency Test

Test No: 1
Date: 28-May-07
Purpose: Sample MF1-001

Operators: Saunders/Rawlings
Shift: 10:30:00 DAYS

S.G 2.800 **Pressure** 50 kPA Measured 17.9 D Predicted

		Floats	Sinks	Total	Part Fact	X	Part Fact	Error
Black	2.70	50	0	50	0.00	0.90	0.00	0.0000
Dark Green	2.80	47	1	48	0.02	0.94	0.00	0.0003
Pale Blue	2.95	35	13	48	0.27	0.99	0.25	0.0005
Red/Orange	3.00	21	27	48	0.56	1.00	0.60	0.0017
Lime Green	3.05	3	42	45	0.93	1.02	0.88	0.0033
Red	3.10	3	48	51	0.94	1.04	0.97	0.0008
Purple	3.20	1	49	50	0.98	1.07	1.00	0.0003
Yellow	3.30	0	45	45	1.00	1.11	1.00	0.0000
Dark Blue	3.53	0	48	48	1.00	1.18	1.00	0.0000
		160	273	433				0.0070



d50	2.99
Epm	0.036
alpha	91.40
Diff	0.19

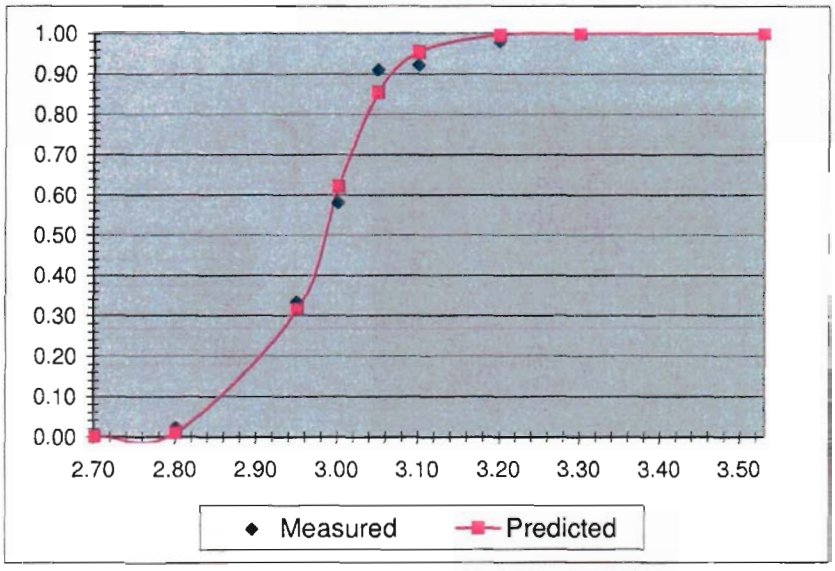
KWG Resources Ltd Project 11622-001
EPM Efficiency Test

Test No: 2
Date: 28-May-07
Purpose: Sample MF1-001: Start run

Operators: Saunders/Rawlings
Shift: 13:30:00 DAYS

S.G 2.800 **Pressure** 50 kPA 17.9 D
Measured Predicted

		Floats	Sinks	Total	Part Fact	X	Part Fact	Error
Black	2.70	50	0	50	0.00	0.91	0.00	0.0000
Dark Green	2.80	47	1	48	0.02	0.94	0.01	0.0001
Pale Blue	2.95	32	16	48	0.33	0.99	0.32	0.0003
Red/Orange	3.00	21	29	50	0.58	1.01	0.62	0.0017
Lime Green	3.05	4	41	45	0.91	1.02	0.85	0.0033
Red	3.10	4	48	52	0.92	1.04	0.95	0.0010
Purple	3.20	1	52	53	0.98	1.07	1.00	0.0002
Yellow	3.30	0	45	45	1.00	1.11	1.00	0.0000
Dark Blue	3.53	0	47	47	1.00	1.18	1.00	0.0000
		159	279	438				0.0066



d50	2.98
Epm	0.043
alpha	75.62
Diff	0.18

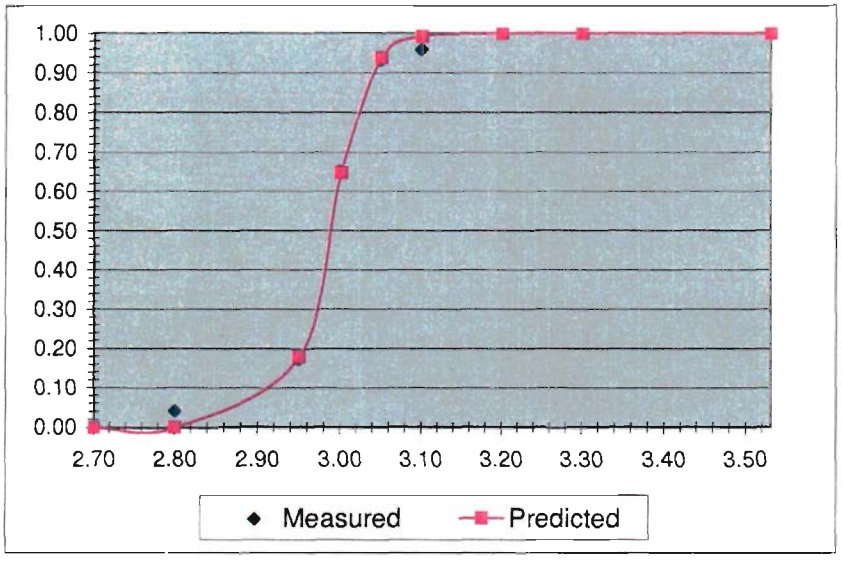
KWG Resources Ltd Project 11622-001
EPM Efficiency Test

Test No: 3
Date: 28-May-07
Purpose: Sample MF1-001: End Run

Operators: Saunders/Rawlings
Shift: 16:30:00 DAYS

S.G 2.775 **Pressure** 50 kPA Measured 18.0 D Predicted

		Floats	Sinks	Total	Part Fact	X	Part Fact	Error
Black	2.70	50	0	50	0.00	0.90	0.00	0.0000
Dark Green	2.80	45	2	47	0.04	0.94	0.00	0.0018
Pale Blue	2.95	38	8	46	0.17	0.99	0.18	0.0000
Red/Orange	3.00	17	32	49	0.65	1.00	0.65	0.0000
Lime Green	3.05	3	42	45	0.93	1.02	0.94	0.0000
Red	3.10	2	47	49	0.96	1.04	0.99	0.0011
Purple	3.20	0	52	52	1.00	1.07	1.00	0.0000
Yellow	3.30	0	44	44	1.00	1.11	1.00	0.0000
Dark Blue	3.53	0	46	46	1.00	1.18	1.00	0.0000
		155	273	428				0.0030



d50	2.99
Epm	0.026
alpha	126.74
Diff	0.21

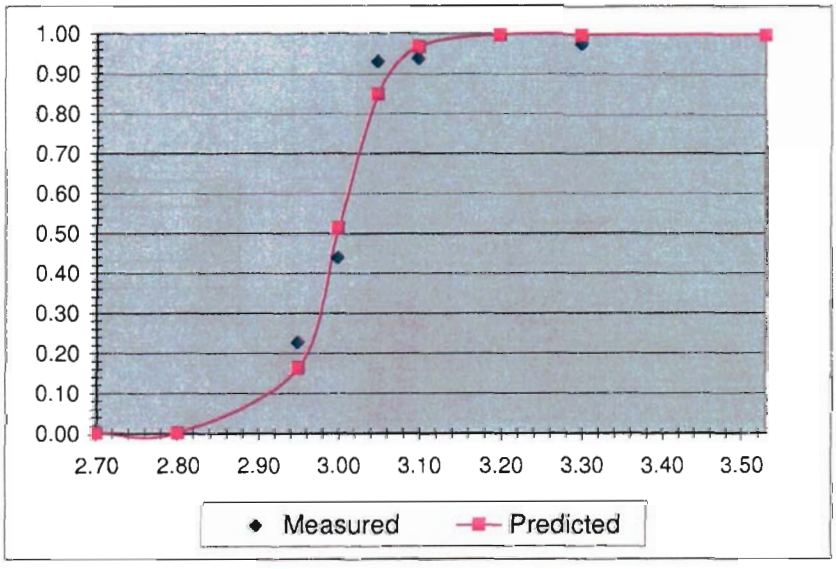
KWG Resources Ltd Project 11622-001
EPM Efficiency Test

Test No: 4
Date: 29-May-07
Purpose: Sample GF1-004: Start Run

Operators: Saunders/S.Franks
Shift: 7:10:00 DAYS

S.G 2.775 **Pressure** 50 kPA Measured 18.0 D Predicted

		Floats	Sinks	Total	Part Fact	X	Part Fact	Error
Black	2.70	50	0	50	0.00	0.90	0.00	0.0000
Dark Green	2.80	47	0	47	0.00	0.93	0.00	0.0000
Pale Blue	2.95	34	10	44	0.23	0.98	0.16	0.0040
Red/Orange	3.00	28	22	50	0.44	1.00	0.51	0.0053
Lime Green	3.05	3	41	44	0.93	1.02	0.85	0.0067
Red	3.10	3	47	50	0.94	1.03	0.97	0.0008
Purple	3.20	0	52	52	1.00	1.07	1.00	0.0000
Yellow	3.30	1	43	44	0.98	1.10	1.00	0.0005
Dark Blue	3.53	0	47	47	1.00	1.18	1.00	0.0000
		166	262	428				0.0174



d50	3.00
Epm	0.033
alpha	100.91
Diff	0.22

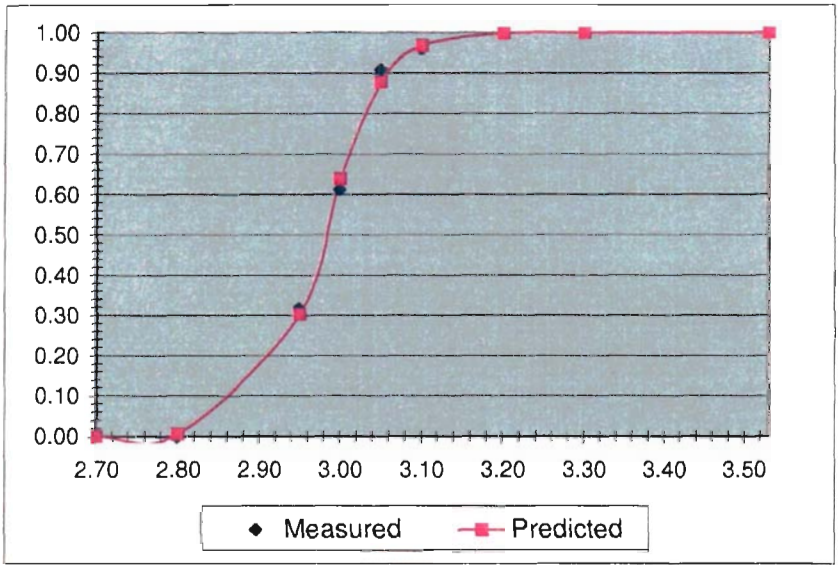
KWG Resources Ltd Project 11622-001
EPM Efficiency Test

Test No: 5
Date: 31-May-07
Purpose: Sample GF1-004: Start Run

Operators: Saunders/Franks
Shift: 7:30:00 DAYS

S.G 2.750 **Pressure** 50 kPA 18.2 D
Measured Predicted

		Floats	Sinks	Total	Part Fact	X	Part Fact	Error
Black	2.70	50	0	50	0.00	0.91	0.00	0.0000
Dark Green	2.80	47	0	47	0.00	0.94	0.01	0.0000
Pale Blue	2.95	30	14	44	0.32	0.99	0.30	0.0002
Red/Orange	3.00	19	30	49	0.61	1.01	0.64	0.0007
Lime Green	3.05	4	40	44	0.91	1.02	0.88	0.0010
Red	3.10	2	48	50	0.96	1.04	0.97	0.0000
Purple	3.20	0	51	51	1.00	1.07	1.00	0.0000
Yellow	3.30	0	42	42	1.00	1.11	1.00	0.0000
Dark Blue	3.53	0	49	49	1.00	1.18	1.00	0.0000
		152	274	426				0.0020



d50	2.98
Epm	0.039
alpha	83.52
Diff	0.23

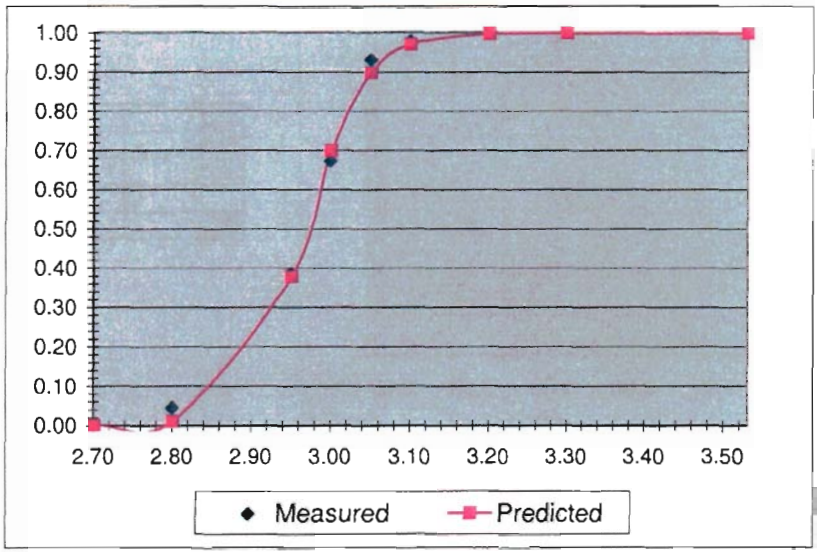
KWG Resources Ltd Project 11622-001
EPM Efficiency Test

Test No: 6
Date: 31-May-07
Purpose: Sample MF2-002: Start Run.

Operators: Saunders/Franks
Shift: 10:30:00 DAYS

S.G 2.750 **Pressure** 50 kPA Measured 18.2 D Predicted

		Floats	Sinks	Total	Part Fact	X	Part Fact	Error
Black	2.70	50	0	50	0.00	0.91	0.00	0.0000
Dark Green	2.80	42	2	44	0.05	0.94	0.01	0.0012
Pale Blue	2.95	27	17	44	0.39	0.99	0.38	0.0001
Red/Orange	3.00	16	33	49	0.67	1.01	0.70	0.0007
Lime Green	3.05	3	41	44	0.93	1.03	0.90	0.0011
Red	3.10	1	48	49	0.98	1.04	0.97	0.0001
Purple	3.20	0	52	52	1.00	1.08	1.00	0.0000
Yellow	3.30	0	43	43	1.00	1.11	1.00	0.0000
Dark Blue	3.53	0	43	43	1.00	1.19	1.00	0.0000
		139	279	418				0.0031



d50	2.97
Epm	0.041
alpha	79.74
Diff	0.22

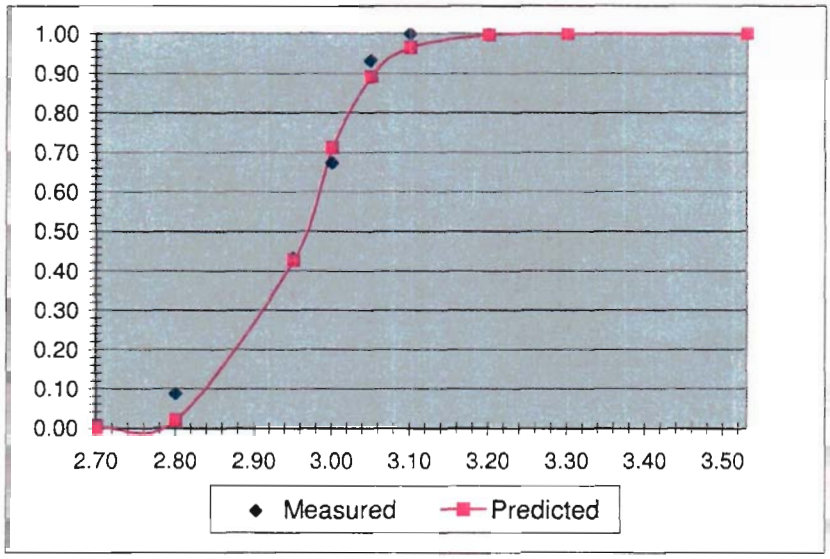
KWG Resources Ltd Project 11622-001
EPM Efficiency Test

Test No: 7
Date: 31-May-07
Purpose: Sample MF2S-003: Start Run.

Operators: Saunders/Franks
Shift: 14:00:00 DAYS

S.G 2.750 **Pressure** 50 kPA 18.2 D
Measured Predicted

		Floats	Sinks	Total	Part Fact	X	Part Fact	Error
Black	2.70	50	0	50	0.00	0.91	0.00	0.0000
Dark Green	2.80	42	4	46	0.09	0.95	0.02	0.0045
Pale Blue	2.95	25	19	44	0.43	1.00	0.43	0.0000
Red/Orange	3.00	16	33	49	0.67	1.01	0.71	0.0014
Lime Green	3.05	3	41	44	0.93	1.03	0.89	0.0017
Red	3.10	0	48	48	1.00	1.05	0.96	0.0013
Purple	3.20	0	52	52	1.00	1.08	1.00	0.0000
Yellow	3.30	0	43	43	1.00	1.11	1.00	0.0000
Dark Blue	3.53	0	48	48	1.00	1.19	1.00	0.0000
		136	288	424				0.0089



d50	2.96
Epm	0.046
alpha	70.93
Diff	0.21

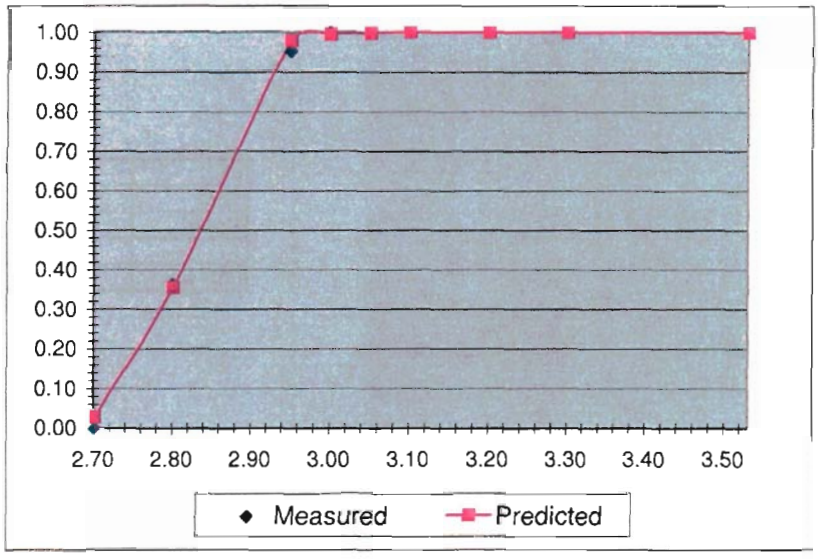
KWG Resources Ltd Project 11622-001
EPM Efficiency Test

Test No: 8
Date: 31-May-07
Purpose: Sample MF2S-003: End Run.

Operators: Saunders/Franks
Shift: 15:00:00 DAYS

S.G 2.750 **Pressure** 50 kPA Measured 18.2 D Predicted

		Floats	Sinks	Total	Part Fact	X	Part Fact	Error
Black	2.70	50	0	50	0.00	0.96	0.03	0.0008
Dark Green	2.80	30	17	47	0.36	0.99	0.36	0.0000
Pale Blue	2.95	2	40	42	0.95	1.05	0.98	0.0007
Red/Orange	3.00	0	46	46	1.00	1.06	1.00	0.0000
Lime Green	3.05	0	43	43	1.00	1.08	1.00	0.0000
Red	3.10	0	51	51	1.00	1.10	1.00	0.0000
Purple	3.20	0	49	49	1.00	1.13	1.00	0.0000
Yellow	3.30	0	45	45	1.00	1.17	1.00	0.0000
Dark Blue	3.53	0	48	48	1.00	1.25	1.00	0.0000
		82	339	421				0.0015



d50	2.82
Epm	0.037
alpha	83.17
Diff	0.07

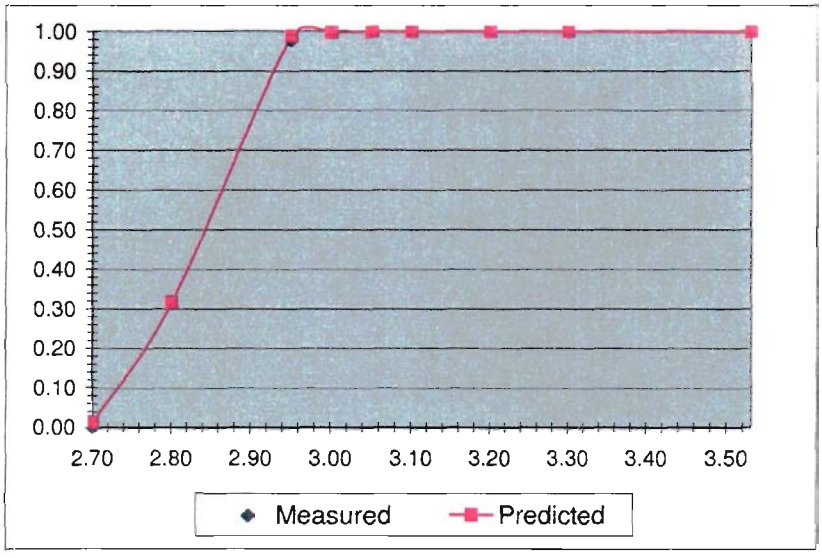
KWG Resources Ltd Project 11622-001
EPM Efficiency Test

Test No: 9
Date: 1-Jun-07
Purpose: Sample MF1-001 (2nd Pass): Start Run.

Operators: Saunders/Franks
Shift: 7:00:00 DAYS

S.G 2.750 **Pressure** 50 kPA Measured 18.2 D Predicted

		Floats	Sinks	Total	Part Fact	X	Part Fact	Error
Black	2.70	50	0	50	0.00	0.96	0.01	0.0002
Dark Green	2.80	32	15	47	0.32	0.99	0.32	0.0000
Pale Blue	2.95	1	43	44	0.98	1.05	0.99	0.0001
Red/Orange	3.00	0	47	47	1.00	1.06	1.00	0.0000
Lime Green	3.05	0	44	44	1.00	1.08	1.00	0.0000
Red	3.10	0	51	51	1.00	1.10	1.00	0.0000
Purple	3.20	0	54	54	1.00	1.13	1.00	0.0000
Yellow	3.30	0	45	45	1.00	1.17	1.00	0.0000
Dark Blue	3.53	0	45	45	1.00	1.25	1.00	0.0000
		83	344	427				0.0003



d50	2.82
Epm	0.031
alpha	99.21
Diff	0.07

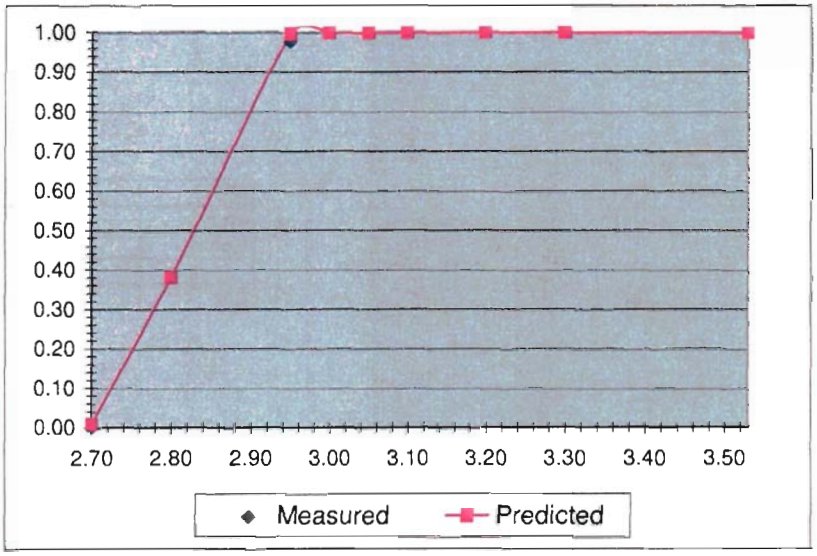
KWG Resources Ltd Project 11622-001
EPM Efficiency Test

Test No: 10
Date: 1-Jun-07
Purpose: Sample GF1-004 (2nd Pass): Start Run.

Operators: Saunders/Franks
Shift: 7:00:00 DAYS

S.G 2.750 **Pressure** 50 kPA Measured 18.2 D Predicted

		Floats	Sinks	Total	Part Fact	X	Part Fact	Error
Black	2.70	50	0	50	0.00	0.96	0.01	0.0001
Dark Green	2.80	29	18	47	0.38	1.00	0.38	0.0000
Pale Blue	2.95	1	43	44	0.98	1.05	1.00	0.0004
Red/Orange	3.00	0	47	47	1.00	1.07	1.00	0.0000
Lime Green	3.05	0	44	44	1.00	1.08	1.00	0.0000
Red	3.10	0	53	53	1.00	1.10	1.00	0.0000
Purple	3.20	0	51	51	1.00	1.14	1.00	0.0000
Yellow	3.30	0	45	45	1.00	1.17	1.00	0.0000
Dark Blue	3.53	0	46	46	1.00	1.26	1.00	0.0000
		80	347	427				0.0005



d50	2.81
Epm	0.026
alpha	116.69
Diff	0.06

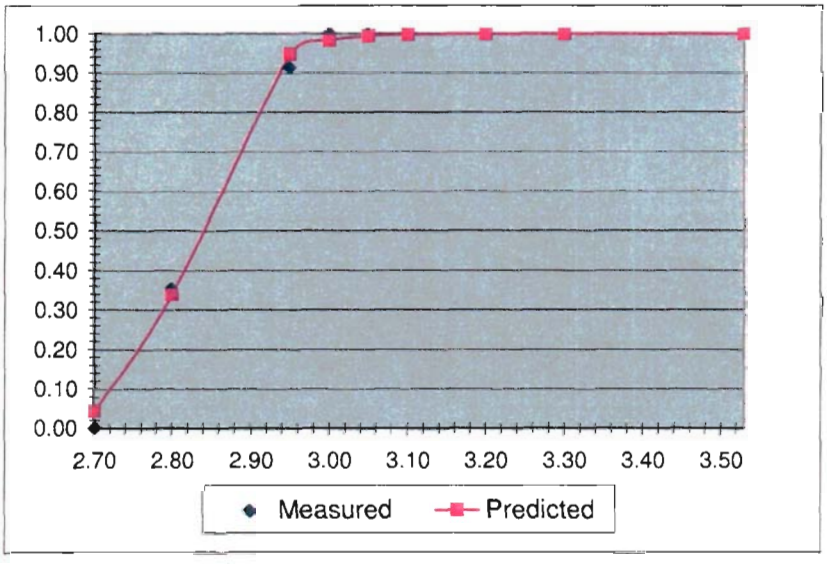
KWG Resources Ltd Project 11622-001
EPM Efficiency Test

Test No: 11
Date: 1-Jun-07
Purpose: Sample MF2-002 (2nd Pass): Start Run.

Operators: Saunders/Franks
Shift: 11:10:00 DAYS

S.G 2.750 **Pressure** 50 kPA 18.2 D
Measured Predicted

		Floats	Sinks	Total	Part Fact	X	Part Fact	Error
Black	2.70	50	0	50	0.00	0.95	0.04	0.0020
Dark Green	2.80	31	17	48	0.35	0.99	0.34	0.0002
Pale Blue	2.95	4	43	47	0.91	1.04	0.95	0.0012
Red/Orange	3.00	0	49	49	1.00	1.06	0.98	0.0003
Lime Green	3.05	0	48	48	1.00	1.08	1.00	0.0000
Red	3.10	0	47	47	1.00	1.10	1.00	0.0000
Purple	3.20	0	53	53	1.00	1.13	1.00	0.0000
Yellow	3.30	0	49	49	1.00	1.17	1.00	0.0000
Dark Blue	3.53	0	48	48	1.00	1.25	1.00	0.0000
		85	354	439				0.0037



d50	2.83
Epm	0.046
alpha	67.72
Diff	0.08

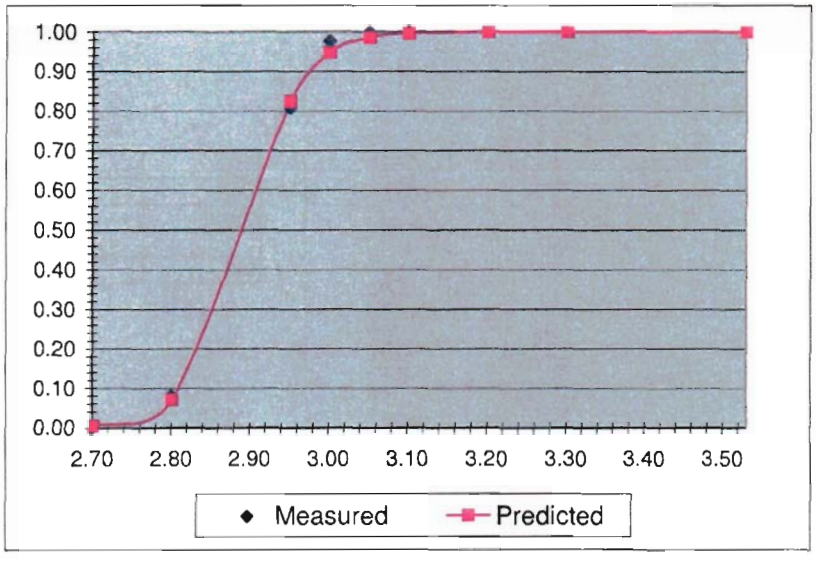
KWG Resources Ltd Project 11622-001
EPM Efficiency Test

Test No: 12
Date: 1-Jun-07
Purpose: Sample MF2S-003 (2nd Pass): Start Run.

Operators: Saunders/Franks
Shift: 12:00:00 DAYS

S.G 2.750 **Pressure** 50 kPA 18.2 D
Measured Predicted

		Floats	Sinks	Total	Part Fact	X	Part Fact	Error
Black	2.70	50	0	50	0.00	0.93	0.01	0.0000
Dark Green	2.80	45	4	49	0.08	0.97	0.07	0.0001
Pale Blue	2.95	9	38	47	0.81	1.02	0.82	0.0002
Red/Orange	3.00	1	43	44	0.98	1.04	0.95	0.0008
Lime Green	3.05	0	51	51	1.00	1.05	0.99	0.0002
Red	3.10	0	50	50	1.00	1.07	1.00	0.0000
Purple	3.20	0	42	42	1.00	1.11	1.00	0.0000
Yellow	3.30	0	41	41	1.00	1.14	1.00	0.0000
Dark Blue	3.53	0	47	47	1.00	1.22	1.00	0.0000
		105	316	421				0.0014



d50	2.89
Epm	0.040
alpha	79.11
Diff	0.14

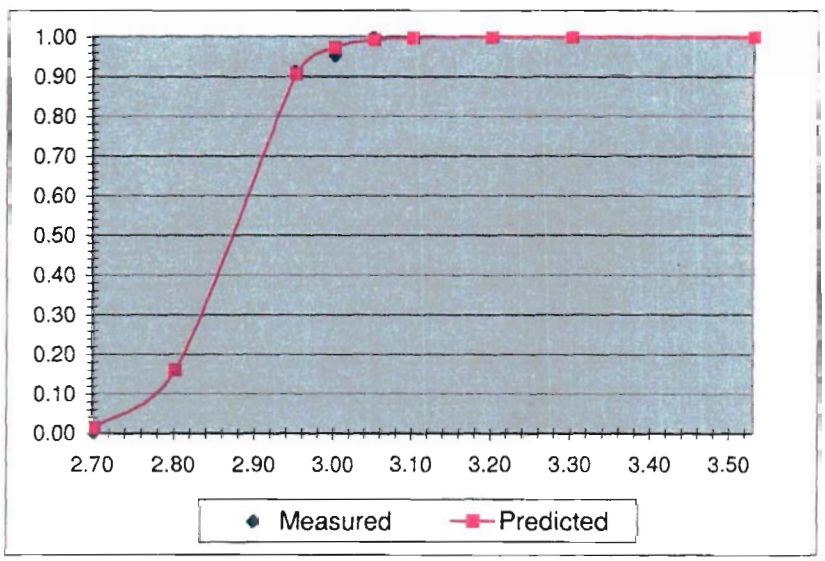
KWG Resources Ltd Project 11622-001
EPM Efficiency Test

Test No: 13
Date: 1-Jun-07
Purpose: Sample MF2S-003 (2nd Pass): END Run.

Operators: Saunders/Franks
Shift: 14:00:00 DAYS

S.G 2.750 **Pressure** 50 kPA Measured 18.2 D Predicted

		Floats	Sinks	Total	Part Fact	X	Part Fact	Error
Black	2.70	50	0	50	0.00	0.94	0.01	0.0002
Dark Green	2.80	42	8	50	0.16	0.98	0.16	0.0000
Pale Blue	2.95	4	42	46	0.91	1.03	0.91	0.0000
Red/Orange	3.00	2	40	42	0.95	1.05	0.97	0.0004
Lime Green	3.05	0	47	47	1.00	1.07	0.99	0.0001
Red	3.10	0	45	45	1.00	1.08	1.00	0.0000
Purple	3.20	0	42	42	1.00	1.12	1.00	0.0000
Yellow	3.30	0	43	43	1.00	1.15	1.00	0.0000
Dark Blue	3.53	0	49	49	1.00	1.23	1.00	0.0000
		98	316	414				0.0007



d50	2.86
Epm	0.042
alpha	75.30
Diff	0.11

SGS

DMS PLANT OPERATIONS DATA SHEET

PROJECT NAME: KWG RESOURCES **DATE:** 28-May-07

PROJECT NO: 11622-001 **SHIFT:** Days (0700-1630)

SAMPLE NO: MF1-001 **OPERATORS:** Saunders/Rawlings

Time	Cyclone Pressure (kPa)	Water Pressure (kPa)	Media Density (g/mL)	Marcy Scale Density (g/mL)	DMS Feed Rate (g/10 sec)	Scrubber Feed Rate (kg/10 sec)
13:30	50	Max	2.800	2.80	Start run	Start run
14:10	50	Max	2.772	2.78	1160.0	2.30
14:40	50	Max	2.781		1025.0	2.41
15:10	50	Max	2.777	2.78	2140.0	2.46
15:40	50	Max	2.775		End run	End run

Date	DMS Concentrate Drum Control				Notes
	Sample No.	Drum No.	Security Seal No.	Weight (kg)	
28-May-07	MF1-001	1	no seal	61.3	DMS conc to
					oven to dry.

Date	DMS Tailings				Notes
	Sample No.	Drum No.	Security Seal No.	Weight (kg)	
28-May-07	MF1-001	1	19977	270.3	
		2	19982	260.3	
		3	19978	266.4	
		4	19980	166.8	

SGS

DMS PLANT DAILY EVENT LOG SHEET

PROJECT NAME:	**KWG RESOURCES**	**DATE:**	**28-May-07**
PROJECT NO:	**11622-001**	**SHIFT:**	**Days (0700-1630)**
SAMPLE NO:	**MF1-001**	**OPERATORS:**	**Saunders/Rawlings**

TIME	DESCRIPTION/EVENT
8:00	Start DMS plant. Stabilized at SG = 2.800
10:30	Tracer test #1 at 2.800
10:45	Tracer test = passed.
10:50	On stand-by until client site representatives return.
13:30	Tracer test #2 at 2.800
13:40	Tracer test = passed.
13:40	Start feed.
14:00	Stop DMS. Drop density to 2.775 to increase yield.
15:30	Start clean-up.
16:00	Tracer test #3 = passed.
16:30	End of day shut-down. Building secured.

SGS

DMS PLANT OPERATIONS DATA SHEET

PROJECT NAME: KWG RESOURCES **DATE:** 29-May-07

PROJECT NO: 11622-001 **SHIFT:** Days (0700-1530)

SAMPLE NO: GF1-004 **OPERATORS:** Saunders/S.Franks

Time	Cyclone Pressure (kPa)	Water Pressure (kPa)	Media Density (g/mL)	Marcy Scale Density (g/mL)	DMS Feed Rate (g/10 sec)	Scrubber Feed Rate (kg/10 sec)
8:00	50	max	2.775	2.78	1953.0	2.08
9:00	50	max	2.774		2027.0	2.25
10:00	down.					

Date	DMS Concentrate Drum Control				Notes
	Sample No.	Drum No.	Security Seal No.	Weight (kg)	

Date	DMS Tailings				Notes
	Sample No.	Drum No.	Security Seal No.	Weight (kg)	

SGS

DMS PLANT DAILY EVENT LOG SHEET

PROJECT NAME:	**KWG RESOURCES**	**DATE:**	**29-May-07**
PROJECT NO:	**11622-001**	**SHIFT:**	**Days (0700-1530)**
SAMPLE NO:	**GF1-004**	**OPERATORS:**	**Saunders/S.Franks**

TIME	DESCRIPTION/EVENT
7:00	Start DMS plant.
7:10	Tracer test #4.
7:30	Tracer test = passed.
7:45	Start DMS feed at SG = 2.775
10:10	Cyclone pump blockage. Shut-down.
11:30	Cyclone pump ok. Scrubber floor sump pump down.
12:30	Cyclone pump stopped again. Removed and tried to
	clear feed lines. Removed cyclone and checked for
	blockage -- none found.
13:00	50 mm dewatering cyclone removed by S.Bulatovic.
	Went to find a replacement.
14:15	Replaced scrubber floor sump pump.
15:30	Ready to resume running, but no FeSi in inventory.
14:00	Shut-down for day.

SGS

DMS PLANT OPERATIONS DATA SHEET

PROJECT NAME: KWG RESOURCES **DATE:** 31-May-07

PROJECT NO: 11622-001 **SHIFT:** Days (0700-1530)

SAMPLE NO: GF1-004 **OPERATORS:** Saunders/S.Franks

Time	Cyclone Pressure (kPa)	Water Pressure (kPa)	Media Density (g/mL)	Marcy Scale Density (g/mL)	DMS Feed Rate (g/10 sec)	Scrubber Feed Rate (kg/10 sec)
GF1-004						
8:30	50	max	2.748	2.75	1921.0	2.33
9:30	50	max	2.750		2024.0	2.28
10:00	End Run.					
MF2-002						
11:15	50	max	2.748	2.75	1682.0	2.00
11:45	50	max	2.744	2.75	1741.0	2.12
12:15	End Run.					

Date	DMS Concentrate Drum Control				Notes
	Sample No.	Drum No.	Security Seal No.	Weight (kg)	
31-May-07	GF1-004	oven pan 1	no seal	44.8	straight to oven
		oven pan 2	no seal	41.3	to dry.
31-May-07	MF2-002	oven pan 1	no seal	15.1	to oven to dry.

Date	DMS Tailings				Notes
	Sample No.	Drum No.	Security Seal No.	Weight (kg)	
31-May-07	GF1-004	1	19990	269.9	
		2	19995	233.6	
		3	19996	265.1	
		4	19997	214.8	
31-May-07	MF2-002	1	no seal	236.1	straight to HPGR
		2	no seal	133.4	crushing.

SGS

DMS PLANT DAILY EVENT LOG SHEET

PROJECT NAME:	**KWG RESOURCES**	**DATE:**	**31-May-07**
PROJECT NO:	**11622-001**	**SHIFT:**	**Days (0700-1530)**
SAMPLE NO:	**GF1-004**	**OPERATORS:**	**Saunders/S.Franks**

TIME	DESCRIPTION/EVENT
7:00	Start DMS. All systems fine.
7:30	Tracer test # 5.
7:45	Tracer test = passed. Start feed.
10:00	End Run on GF1-004.
10:30	Tracer test #6. Tracer test = passed.
11:00	Start Sample MF2-002 at SG = 2.750
11:50	Start Clean-Up.
12:00	End Run sample MF2-002.
12:15	Tracer test #7.
12:30	Tracer test = passed.

SGS

DMS PLANT OPERATIONS DATA SHEET

PROJECT NAME: KWG RESOURCES **DATE:** 31-May-07

PROJECT NO: 11622-001 **SHIFT:** Days (0700-1530)

SAMPLE NO: MF2S-003 **OPERATORS:** Saunders/S.Franks

Time	Cyclone Pressure (kPa)	Water Pressure (kPa)	Media Density (g/mL)	Marcy Scale Density (g/mL)	DMS Feed Rate (g/10 sec)	Scrubber Feed Rate (kg/10 sec)
13:50	50	max	2.743	2.75	1841.0	2.10
14:20	50	max	2.747	2.75	1762.0	

Date	DMS Concentrate Drum Control				Notes
	Sample No.	Drum No.	Security Seal No.	Weight (kg)	
31-May-07	MF2S-003	oven pan 1	no seal	27.56	straight to oven
					to dry.

Date	DMS Tailings				Notes
	Sample No.	Drum No.	Security Seal No.	Weight (kg)	
31-May-07	MF2S-003	1	no seal	253.9	No seals--
		2	no seal	146.1	straight to hpgr
		3	no seal	252.8	crushing.

SGS

DMS PLANT DAILY EVENT LOG SHEET

PROJECT NAME:	**KWG RESOURCES**	**DATE:**	**31-May-07**
PROJECT NO:	**11622-001**	**SHIFT:**	**Days (0700-1530)**
SAMPLE NO:	**MF2S-003**	**OPERATORS:**	**Saunders/S.Franks**

TIME	DESCRIPTION/EVENT
13:20	Start sample MF2S-003 at SG = 2.750.
14:20	Start clean-up.
15:00	Tracer test # 8.
15:15	Tracer test = passed.
15:30	End of day shut-down.

SGS

DMS PLANT OPERATIONS DATA SHEET

PROJECT NAME: KWG RESOURCES **DATE:** 1-Jun-07

PROJECT NO: 11622-001 **SHIFT:** Days (0600-1430)

SAMPLE NO: MF1-001 2nd Pass **OPERATORS:** Saunders/S.Franks

Time	Cyclone Pressure (kPa)	Water Pressure (kPa)	Media Density (g/mL)	Marcy Scale Density (g/mL)	DMS Feed Rate (g/10 sec)	Scrubber Feed Rate (kg/10 sec)
MF1-001						
7:20	50	max	2.748	2.75	1681.0	2.60
8:20	50	max	2.743	2.75	1844.0	2.71
GF1-004						
10:00	50	max	2.749	2.75	1937.0	2.00
10:30	50	max	2.758	2.76	1649.0	2.17

Date	DMS Concentrate Drum Control				Notes
	Sample No.	Drum No.	Security Seal No.	Weight (kg)	
1-Jun-07	MF1-001	oven pan 1	no seal	21.06	to oven to dry
1-Jun-07	MF1-001	oven pan 2	no seal	25.18	to oven to dry
1-Jun-07	GF1-004	oven pan 1	no seal	42.87	to oven to dry

Date	DMS Tailings				Notes
	Sample No.	Drum No.	Security Seal No.	Weight (kg)	
1-Jun-07	MF1-001	1	20832	345.5	
		2	20831	327.5	
1-Jun-07	GF1-004	1	20812	336.5	
		2	20813	262.5	

SGS

DMS PLANT DAILY EVENT LOG SHEET

PROJECT NAME:	**KWG RESOURCES**	**DATE:**	**1-Jun-07**
PROJECT NO:	**11622-001**	**SHIFT:**	**Days (0600-1430)**
SAMPLE NO:	**MF1-001 2nd Pass**	**OPERATORS:**	**Saunders/S.Franks**

TIME	DESCRIPTION/EVENT
6:00	Start DMS. All systems OK.
7:00	Tracer test #9.
7:10	Tracer test = passed.
7:20	Start DMS feed sample MF1-001.
8:30	Start clean-up.
8:40	End run sample GF1-001.
8:45	Tracer test #10 = passed.
9:15	Start Sample GF1-004 at SG = 2.750.
10:30	Start clean-up.
11:00	Tracer Test # 11.
11:10	Tracer Test = passed.

SGS

DMS PLANT OPERATIONS DATA SHEET

PROJECT NAME: KWG RESOURCES **DATE:** 1-Jun-07

PROJECT NO: 11622-001 **SHIFT:** Days (0600-1430)

SAMPLE NO: MF2-002 2nd Pass **OPERATORS:** Saunders/S.Franks

Time	Cyclone Pressure (kPa)	Water Pressure (kPa)	Media Density (g/mL)	Marcy Scale Density (g/mL)	DMS Feed Rate (g/10 sec)	Scrubber Feed Rate (kg/10 sec)
MF2-002						
11:40	50	max	2.741	2.75	n/a	n/a
MF2S-003						
13:00	50	max	2.756	2.76	1941.0	2.63
14:00	50	max	2.754	2.75	end run	no feed.

Date	DMS Concentrate Drum Control				Notes
	Sample No.	Drum No.	Security Seal No.	Weight (kg)	
1-Jun-07	MF2-002	oven pan 1	no seal	6.98	to oven to dry
1-Jun-07	MF2S-003	oven pan 1	no seal	6.15	to oven to dry

Date	DMS Tailings				Notes
	Sample No.	Drum No.	Security Seal No.	Weight (kg)	
1-Jun-07	MF2-002	1	20814	232.5	
1-Jun-07	MF2S-003	1	20830	305.5	
		2	20821	89.5	

SGS

DMS PLANT DAILY EVENT LOG SHEET

PROJECT NAME:	**KWG RESOURCES**	**DATE:**	**1-Jun-07**
PROJECT NO:	**11622-001**	**SHIFT:**	**Days (0600-1430)**
SAMPLE NO:	**MF2-002 2nd Pass**	**OPERATORS:**	**Saunders/S.Franks**

TIME	DESCRIPTION/EVENT
11:20	Start DMS feed sample MF2-002.
11:50	End Run MF2-002
12:00	Tracer test # 12.
12:10	Tracer test = passed.
12:20	Start DMS feed sample MF2S-003.
14:00	End Run MF2S-003. Start clean-up.
14:15	Tracer test #13.
14:30	Shut-down DMS plant for weekend.
	Secured building.

SGS

X-RAY SORTER DAILY EVENT LOG SHEET

PROJECT NAME:	KWG Resources	**DATE:**	**4-Jun-07**
PROJECT NO:	11622-001	**SHIFT:**	**Days**
SAMPLE NO:	MF1-001 DMS 1st Pass	**OPERATORS:**	**D.Moore**

TIME	DESCRIPTION/EVENT
10:00	Start up.
11:45	Water temp set.
12:30	Tracer tests done. Both sides passed.
12:30	Start MF1-001 +4M 1st pass.
12:39	1st pass done. Start 2nd pass.
12:55	2nd pass done.
13:00	Start 1st pass +6M.
13:24	1st pass done. Start 2nd pass.
13:46	2nd pass done.
13:50	Start 1st pass +14M.
14:30	1st pass done. Start 2nd pass.
15:00	2nd pass done.
15:30	Clean-up & shut-down for day.
	Grease table skimmed for overnight.

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO: MF1-001 DMS 1st Pass **DATE:** 4-Jun-07

SIZE FRACTION: +4 Mesh **OPERATORS:** D.Moore

WATER PRESSURE

Main Water	275	kPa
XRay Cooling Water	235	kPa
Feed Water	85	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting:	5.18
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	25
No. Tracers Recovered:	25

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

RIGHT P.M. DETECTOR

Dial Setting:	4.88
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	25
No. Tracers Recovered:	24

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6305 hrs.			
Start sample:	12:30	0	0	
End 1st pass:	12:39	1	1	
End 2nd Pass:	12:55	2	3	
Other:				
Total:	25 min	3	4	

NOTES:

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO:	MF1-001 DMS 1st Pass	**DATE:**	4-Jun-07
SIZE FRACTION:	+6 Mesh	**OPERATORS:**	D.Moore

WATER PRESSURE

Main Water	280	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting:	5.18
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	
No. Tracers Recovered:	

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

RIGHT P.M. DETECTOR

Dial Setting:	4.88
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	
No. Tracers Recovered:	

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6307 hrs.			
Start sample:	13:00	0	0	
End 1st pass:	13:24	19	5	
End 2nd Pass:	13:46	9	8	
Other:				
Total:	46 min	28	13	

NOTES:

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO: MF1-001 DMS 1st Pass

DATE: 4-Jun-07

SIZE FRACTION: +14 Mesh

OPERATORS: D.Moore

WATER PRESSURE

Main Water	280	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting:	5.18
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	
No. Tracers Recovered:	

TRACER TEST #2

No. Tracers Added:	25	Shut-Down
No. Tracers Recovered:	25	

RIGHT P.M. DETECTOR

Dial Setting:	4.90
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	
No. Tracers Recovered:	

TRACER TEST #2

No. Tracers Added:	25
No. Tracers Recovered:	24

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6308 hrs.			
Start sample:	13:50	0	0	
End 1st pass:	14:27	15	20	
End 2nd Pass:	15:20	8	13	
Other:				
Total:	90 min.	23	33	

NOTES:

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO:	**MF1-001 DMS 1st Pass**	**DATE:**	**5-Jun-07**
SIZE FRACTION:	**+20 Mesh**	**OPERATORS:**	**D.Moore**

WATER PRESSURE

Main Water	270	kPa
XRay Cooling Water	235	kPa
Feed Water	85	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting:	5.18
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	26
No. Tracers Recovered:	25

TRACER TEST #2

No. Tracers Added:	25
No. Tracers Recovered:	25

RIGHT P.M. DETECTOR

Dial Setting:	4.9
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	24
No. Tracers Recovered:	24

TRACER TEST #2

No. Tracers Added:	25
No. Tracers Recovered:	25

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6310 hrs.			
Start sample:	6:40	0	0	
End 1st pass:	7:05	1	0	
End 2nd Pass:	7:40	0	0	
Other:				
Total:	60 min.	1	0	

NOTES:

SGS

X-RAY SORTER DAILY EVENT LOG SHEET

PROJECT NAME:	KWG Resources	**DATE:**	**5-Jun-07**
PROJECT NO:	11622-001	**SHIFT:**	**Days**
SAMPLE NO:	MF1-001 DMS 2nd Pass	**OPERATORS:**	**D.Moore**

TIME	DESCRIPTION/EVENT
6:05	Start up.
6:30	Tracer tests done. Both sides passed.
6:40	Start MF1-001 +20M 1st pass.
7:05	1st pass done. Start 2nd pass.
7:40	2nd pass done, clean-up for next sample.
9:30	Table re-greased. Sample ready. Tracer tests done.
9:40	Start 1st pass +4M MF1-001 2nd pass conc.
9:55	1st pass done. Start 2nd pass.
10:06	2nd pass done.
10:25	Start 1st pass +6M.
10:37	1st pass done. Start 2nd pass.
10:52	Start 1st pass +14M.
11:20	1st pass done. Start 2nd pass.
11:45	2nd pass done.
12:30	Start 1st pass +20M.
12:46	1st pass done. Start 2nd pass.
13:05	Sample complete.
14:00	Clean-up & shut-down for day.

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO:	MF1-001 DMS 2nd Pass	**DATE:**	5-Jun-07
SIZE FRACTION:	+4 Mesh	**OPERATORS:**	D.Moore

WATER PRESSURE

Main Water	285	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting:	5.18
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	25
No. Tracers Recovered:	25

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

RIGHT P.M. DETECTOR

Dial Setting:	4.9
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	25
No. Tracers Recovered:	25

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6314 hrs.			
Start sample:	9:40	0	0	
End 1st pass:	9:55	5	1	
End 2nd Pass:	10:06	0	3	
Other:				
Total:	26 min	5	4	

NOTES:

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO: MF1-001 DMS 2nd Pass **DATE:** 5-Jun-07

SIZE FRACTION: +6 Mesh **OPERATORS:** D.Moore

WATER PRESSURE

Main Water	285	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting: 5.18

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added:

No. Tracers Recovered:

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

RIGHT P.M. DETECTOR

Dial Setting: 4.90

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added:

No. Tracers Recovered:

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6315 hrs.			
Start sample:	10:25	0	0	
End 1st pass:	10:37	8	13	
End 2nd Pass:	10:52	10	7	
Other:				
Total:	27 min	18	20	

NOTES:

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO:	**MF1-001 DMS 2nd Pass**	**DATE:**	**5-Jun-07**
SIZE FRACTION:	**+14 Mesh**	**OPERATORS:**	**D.Moore**

WATER PRESSURE

Main Water	285	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting: 5.18

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added:

No. Tracers Recovered:

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

RIGHT P.M. DETECTOR

Dial Setting: 4.90

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added:

No. Tracers Recovered:

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6315 hrs.			
Start sample:	10:55	0	0	
End 1st pass:	11:20	17	2	
End 2nd Pass:	11:45	3	6	
Other:				
Total:	50 min	20	8	

NOTES:

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO: MF1-001 DMS 2nd Pass **DATE:** 5-Jun-07

SIZE FRACTION: +20 Mesh **OPERATORS:** D.Moore

WATER PRESSURE

Main Water	290	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting: 5.18

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added: 25 shut-down

No. Tracers Recovered: 25

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

RIGHT P.M. DETECTOR

Dial Setting: 4.90

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added: 25

No. Tracers Recovered: 25

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6316 hrs.			
Start sample:	12:30	0	0	
End 1st pass:	12:46	0	0	
End 2nd Pass:	13:05	0	0	
Other:				
Total:	35 min	0	0	

NOTES:

SGS

X-RAY SORTER DAILY EVENT LOG SHEET

PROJECT NAME:	KWG Resources	**DATE:**	**6-Jun-07**
PROJECT NO:	11622-001	**SHIFT:**	**Days**
SAMPLE NO:	GF1-004 DMS 1st Pass	**OPERATORS:**	**D.Moore**

TIME	DESCRIPTION/EVENT
7:20	Start up.
7:30	Tracer tests done. Both sides passed.
7:35	Start GF1-004 +4M 1st pass.
7:50	1st pass done. Start 2nd pass.
8:05	2nd pass done. Start first pass +6M.
8:20	First pass done. Start 2nd pass +6M.
8:40	2nd pass done. Start 1st pass +14M.
9:22	First pass done. Start 2nd pass +14M.
9:58	2nd pass done. Start 1st pass +20M.
10:15	1st pass done. Start 2nd pass.
11:00	2nd pass done.

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO: GF1-004 DMS 1st Pass **DATE:** 6-Jun-07

SIZE FRACTION: +4 Mesh **OPERATORS:** D.Moore

WATER PRESSURE

Main Water	275	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting:	5.18
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	25
No. Tracers Recovered:	25

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

RIGHT P.M. DETECTOR

Dial Setting:	4.88
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	25
No. Tracers Recovered:	25

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6318 hrs.			
Start sample:	7:35	0	0	
End 1st pass:	7:50	1	5	
End 2nd Pass:	8:05	0	1	
Other:				
Total:	30 min	1	6	

NOTES:

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO: GF1-004 DMS 1st Pass **DATE:** 6-Jun-07

SIZE FRACTION: +6 Mesh **OPERATORS:** D.Moore

WATER PRESSURE

Main Water	280	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting: 5.18

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added:

No. Tracers Recovered:

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

RIGHT P.M. DETECTOR

Dial Setting: 4.88

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added:

No. Tracers Recovered:

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6319 hrs.			
Start sample:	8:05	0	0	
End 1st pass:	8:20	21	12	
End 2nd Pass:	8:40	11	12	
Other:				
Total:	35 min	32	24	

NOTES:

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO: GF1-004 DMS 1st Pass **DATE:** 6-Jun-07

SIZE FRACTION: +14 Mesh **OPERATORS:** D.Moore

WATER PRESSURE

Main Water	280	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting: 5.18

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added:

No. Tracers Recovered:

TRACER TEST #2

No. Tracers Added: 25 Shut-Down

No. Tracers Recovered: 25

RIGHT P.M. DETECTOR

Dial Setting: 4.88

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added:

No. Tracers Recovered:

TRACER TEST #2

No. Tracers Added: 25

No. Tracers Recovered: 24

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6321 hrs.			
Start sample:	8:48	0	0	
End 1st pass:	9:22	13	11	
End 2nd Pass:	9:58	6	4	
Other:				
Total:	70 min.	19	15	

NOTES: Left out one pail of +14M.

Ejections: left = 7+0, right = 4+4.

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO:	**GF1-004 DMS 1st Pass**	**DATE:**	**6-Jun-07**
SIZE FRACTION:	**+20 Mesh**	**OPERATORS:**	**D.Moore**

WATER PRESSURE

Main Water	280	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting:	5.18
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	25
No. Tracers Recovered:	24

TRACER TEST #2

No. Tracers Added:	25
No. Tracers Recovered:	25

RIGHT P.M. DETECTOR

Dial Setting:	4.88
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	25
No. Tracers Recovered:	24

TRACER TEST #2

No. Tracers Added:	25
No. Tracers Recovered:	25

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6322 hrs.			
Start sample:	10:15	0	0	
End 1st pass:	11:20	2	1	
End 2nd Pass:	12:30	0	1	
Other:				
Total:	155 min.	2	2	

NOTES:

SGS

X-RAY SORTER DAILY EVENT LOG SHEET

PROJECT NAME:	KWG Resources	**DATE:**	**7-Jun-07**
PROJECT NO:	11622-001	**SHIFT:**	**Days**
SAMPLE NO:	GF1-004 DMS 2nd Pass	**OPERATORS:**	**D.Moore**

TIME	DESCRIPTION/EVENT
6:20	Start up.
6:35	Tracer tests done. Both sides passed.
6:45	Start GF1-004 2nd pass +4M.
6:58	1st pass done. Start 2nd pass.
7:12	2nd pass done, start 1st pass +6M.
7:25	1st pass done. Start 2nd pass +6M.
7:35	2nd pass done, start 1st pass +14M.
7:56	1st pass done. Start 2nd pass +14M.
8:20	2nd pass done, start 1st pass +20M.
8:33	1st pass done. Start 2nd pass +20M.
8:45	2nd pass done. Start clean-up for next sample.

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO:	GF1-004 DMS 2nd Pass	**DATE:**	7-Jun-07
SIZE FRACTION:	+4 Mesh	**OPERATORS:**	D.Moore

WATER PRESSURE

Main Water	280	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting:	5.18
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	25
No. Tracers Recovered:	24

TRACER TEST #2

No. Tracers Added:	25
No. Tracers Recovered:	24

RIGHT P.M. DETECTOR

Dial Setting:	4.88
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	25
No. Tracers Recovered:	23

TRACER TEST #2

No. Tracers Added:	25
No. Tracers Recovered:	25

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6325 hrs.			
Start sample:	6:45	0	0	
End 1st pass:	6:58	3	3	
End 2nd Pass:	7:12	1	2	
Other:				
Total:	27 min	4	5	

NOTES:

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO:	**GF1-004 DMS 2nd Pass**	**DATE:**	**7-Jun-07**
SIZE FRACTION:	**+6 Mesh**	**OPERATORS:**	**D.Moore**

WATER PRESSURE

Main Water	290	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting:	5.18
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	
No. Tracers Recovered:	

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

RIGHT P.M. DETECTOR

Dial Setting:	4.88
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	
No. Tracers Recovered:	

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6326 hrs.			
Start sample:	7:15	0	0	
End 1st pass:	7:25	5	4	
End 2nd Pass:	7:35	5	2	
Other:				
Total:	20 min	10	6	

NOTES:

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO:	**GF1-004 DMS 2nd Pass**	**DATE:**	**7-Jun-07**
SIZE FRACTION:	**+14 Mesh**	**OPERATORS:**	**D.Moore**

WATER PRESSURE

Main Water	290	kPa
XRay Cooling Water	240	kPa
Feed Water	80	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting:	5.18
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	
No. Tracers Recovered:	

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

RIGHT P.M. DETECTOR

Dial Setting:	4.88
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	
No. Tracers Recovered:	

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6327 hrs.			
Start sample:	7:37	0	0	
End 1st pass:	7:56	5	10	
End 2nd Pass:	8:20	2	2	
Other:				
Total:	43 min	7	12	

NOTES:

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO: GF1-004 DMS 2nd Pass **DATE:** 7-Jun-07

SIZE FRACTION: +20 Mesh **OPERATORS:** D.Moore

WATER PRESSURE

Main Water	290	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting: 5.18

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added: 25 shut-down

No. Tracers Recovered: 25

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

RIGHT P.M. DETECTOR

Dial Setting: 4.90

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added: 25

No. Tracers Recovered: 25

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6327 hrs.			
Start sample:	8:20	0	0	
End 1st pass:	8:33	2	2	
End 2nd Pass:	8:45	0	1	
Other:				
Total:	25 min	2	3	

NOTES:

SGS

X-RAY SORTER DAILY EVENT LOG SHEET

PROJECT NAME:	KWG Resources	**DATE:**	**7-Jun-07**
PROJECT NO:	11622-001	**SHIFT:**	**Days**
SAMPLE NO:	MF2S-003 DMS 1st Pass	**OPERATORS:**	**D.Moore**

TIME	DESCRIPTION/EVENT
10:00	Start up. Table greased and ready.
10:05	Tracer tests done. Both sides passed.
10:08	Start MF2S-003 +4M 1st pass.
10:19	1st pass done. Start 2nd pass.
10:25	+4M done. Start first pass +6M.
10:35	First pass done. Start 2nd pass +6M.
10:42	2nd pass done.
10:49	Start 1st pass +14M.
11:03	First pass done. Start 2nd pass +14M.
11:21	2nd pass done. Start 1st pass +20M.
11:32	First pass done. Start 2nd pass +20M.
11:50	2nd pass done. Start clean-up.

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO: MF2S-003 DMS 1st Pass **DATE:** 7-Jun-07

SIZE FRACTION: +4 Mesh **OPERATORS:** D.Moore

WATER PRESSURE

Main Water	290	kPa
XRay Cooling Water	240	kPa
Feed Water	80	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting:	5.18
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	25
No. Tracers Recovered:	25

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

RIGHT P.M. DETECTOR

Dial Setting:	4.88
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	25
No. Tracers Recovered:	25

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6329 hrs.			
Start sample:	10:00	0	0	
End 1st pass:	10:08	3	2	
End 2nd Pass:	10:19	0	5	
Other:				
Total:	19 min	3	7	

NOTES:

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO: MF2S-003 DMS 1st Pass **DATE:** 7-Jun-07

SIZE FRACTION: +6 Mesh **OPERATORS:** D.Moore

WATER PRESSURE

Main Water	290	kPa
XRay Cooling Water	240	kPa
Feed Water	85	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting: 5.18

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added:

No. Tracers Recovered:

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

RIGHT P.M. DETECTOR

Dial Setting: 4.88

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added:

No. Tracers Recovered:

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6330 hrs.			
Start sample:	10:19	0	0	
End 1st pass:	10:26	5	7	
End 2nd Pass:	10:42	2	6	
Other:				
Total:	23 min	7	13	

NOTES:

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO: MF2S-003 DMS 1st Pass **DATE:** 7-Jun-07

SIZE FRACTION: +14 Mesh **OPERATORS:** D.Moore

WATER PRESSURE

Main Water	290	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting: 5.18

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added:

No. Tracers Recovered:

TRACER TEST #2

No. Tracers Added: 25 Shut-Down

No. Tracers Recovered: 25

RIGHT P.M. DETECTOR

Dial Setting: 4.88

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added:

No. Tracers Recovered:

TRACER TEST #2

No. Tracers Added: 25

No. Tracers Recovered: 24

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6330 hrs.			
Start sample:	10:49	0	0	
End 1st pass:	11:03	4	6	
End 2nd Pass:	11:21	2	4	
Other:				
Total:	32 min.	6	10	

NOTES:

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO: MF2S-003 DMS 1st Pass **DATE:** 7-Jun-07

SIZE FRACTION: +20 Mesh **OPERATORS:** D.Moore

WATER PRESSURE

Main Water	290	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting: 5.18

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added:

No. Tracers Recovered:

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

RIGHT P.M. DETECTOR

Dial Setting: 4.88

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added:

No. Tracers Recovered:

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6331 hrs.			
Start sample:	11:21	0	0	
End 1st pass:	11:32	0	0	
End 2nd Pass:	11:45	0	0	
Other:				
Total:	24 min.	0	0	

NOTES:

SGS

X-RAY SORTER DAILY EVENT LOG SHEET

PROJECT NAME:	KWG Resources	**DATE:**	**7-Jun-07**
PROJECT NO:	11622-001	**SHIFT:**	**Days**
SAMPLE NO:	MF2-002 DMS 1st Pass	**OPERATORS:**	**D.Moore**

TIME	DESCRIPTION/EVENT
13:00	Start up.
13:05	Tracer tests done. Both sides passed.
13:08	Start MF2-002 1st pass +6M.
13;13	1st pass done. Start 2nd pass.
13:18	2nd pass done, start 1st pass +4M.
13:24	1st pass done. Start 2nd pass +4M.
13:31	2nd pass done, start 1st pass +14M.
13:41	1st pass done. Start 2nd pass +14M.
13:52	2nd pass done, start 1st pass +20M.
14:00	1st pass done. Start 2nd pass +20M.
14:10	2nd pass done. Start clean-up for next sample.
14:20	End of day clean-up.

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO: MF2-002 DMS 1st Pass **DATE:** 7-Jun-07

SIZE FRACTION: +4 Mesh **OPERATORS:** D.Moore

WATER PRESSURE

Main Water	290	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting:	5.18
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	25
No. Tracers Recovered:	25

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

RIGHT P.M. DETECTOR

Dial Setting:	4.88
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	25
No. Tracers Recovered:	25

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6333 hrs.			
Start sample:	13:08	0	0	
End 1st pass:	13:13	1	0	
End 2nd Pass:	13:18	0	2	
Other:				
Total:	10 min	1	2	

NOTES:

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO: MF2-002 DMS 1st Pass **DATE:** 7-Jun-07

SIZE FRACTION: +6 Mesh **OPERATORS:** D.Moore

WATER PRESSURE

Main Water	290	kPa
XRay Cooling Water	240	kPa
Feed Water	85	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting:	5.18
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	
No. Tracers Recovered:	

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

RIGHT P.M. DETECTOR

Dial Setting:	4.88
Amp Meter (uA):	0.6

TRACER TEST #1

No. Tracers Added:	
No. Tracers Recovered:	

TRACER TEST #2

No. Tracers Added:	
No. Tracers Recovered:	

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6333 hrs.			
Start sample:	13:18	0	0	
End 1st pass:	13:24	3	6	
End 2nd Pass:	13:31	3	3	
Other:				
Total:	13 min	6	9	

NOTES:

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO: MF2-002 DMS 1st Pass **DATE:** 7-Jun-07

SIZE FRACTION: +14 Mesh **OPERATORS:** D.Moore

WATER PRESSURE

Main Water	290	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting: 5.18

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added:

No. Tracers Recovered:

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

RIGHT P.M. DETECTOR

Dial Setting: 4.88

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added:

No. Tracers Recovered:

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6334 hrs.			
Start sample:	13:31	0	0	
End 1st pass:	13:41	11	10	
End 2nd Pass:	13:52	4	3	
Other:				
Total:	21 min	15	13	

NOTES:

SGS

X-RAY SORTER DATA SHEET: PROJECT 11622-001

SAMPLE NO: MF2-002 DMS 1st Pass **DATE:** 7-Jun-07

SIZE FRACTION: +20 Mesh **OPERATORS:** D.Moore

WATER PRESSURE

Main Water	290	kPa
XRay Cooling Water	240	kPa
Feed Water	90	kPa

X-RAY SOURCE

X-Ray Voltage	34	kV
X-Ray Amperage	10	mA
Sensitivity Setting	1	

OPTIC SYSTEM

LEFT P.M. DETECTOR

Dial Setting: 5.18

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added: 25 shut-down

No. Tracers Recovered: 24

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

RIGHT P.M. DETECTOR

Dial Setting: 4.90

Amp Meter (uA): 0.6

TRACER TEST #1

No. Tracers Added: 25

No. Tracers Recovered: 25

TRACER TEST #2

No. Tracers Added:

No. Tracers Recovered:

OPERATIONAL RESULTS

SYSTEM	TIME	LEFT COUNTER	RIGHT COUNTER	NOTES
Hour Meter:	6334 hrs.			
Start sample:	13:52	0	0	
End 1st pass:	14:10	0	0	
End 2nd Pass:	14:10	2	0	
Other:				
Total:	18 min	2	0	

NOTES:

SGS

Grease Table Data Sheet

Project Name: KWG Resources **Date:** 4-Jun-07

Project No: 11622-001 **Operators:** D.Moore

Sample No: MF1-001 **Shift:** DAYS

Size Fraction	Time	First Pass	Second Pass	4mm Tracer Test	2mm Tracer Test	Water Temp (°C)	Air Temp (°C)	Grease Condition	Notes
	12:30	Start		pass	pass	27	25.1	New	
+4M	12:39	Y		pass	pass	27	25.6	good	
	12:55		Y	pass	pass	27	25.4	good	
+6M	13:24	Y		pass	pass	27	25.3	good	
	13:46		Y	pass	pass	27	25.3	good	
+14M	14:47	Y		pass	pass	27	25.4	good	
	15:10		Y	pass	pass	27	25.3	skim	Shut-Down.
5-Jun	6:40	Start		pass	pass	27	25.2	good	
+20M	7:05	Y		pass	pass	27	25.1	good	
	8:00		Y					scraped.	

SGS

Grease Table Data Sheet

Project Name: KWG Resources **Date:** 5-Jun-07

Project No: 11622-001 **Operators:** D.Moore

Sample No: MF1-001 DMS 2nd Pass **Shift:** DAYS

Size Fraction	Time	First Pass	Second Pass	4mm Tracer Test	2mm Tracer Test	Water Temp (^{0}C)	Air Temp (^{0}C)	Grease Condition	Notes
	9:40	Start		pass	pass	27	25.1	New	
+4M	9:55	Y		pass	pass	27	25.3	good	
	10:06		Y	pass	pass	27	25.2	good	
+6M	10:37	Y		pass	pass	27	25.4	good	
	10:52		Y	pass	pass	27	25.3	good	
+14M	11:20	Y		pass	pass	27	25.5	good	
	11:45		Y	pass	pass	27	25.3	good	
+20M	12:45	Y		pass	pass	27	25.3	good	
	13:05		Y	pass	pass			scraped.	

SGS

Grease Table Data Sheet

Project Name: KWG Resources **Date:** 6-Jun-07

Project No: 11622-001 **Operators:** D.Moore

Sample No: GF1-004 DMS 1st Pass **Shift:** DAYS

Size Fraction	Time	First Pass	Second Pass	4mm Tracer Test	2mm Tracer Test	Water Temp (°C)	Air Temp (°C)	Grease Condition	Notes
	7:35	Start		pass	pass	27	25.3	New	
+4M	7:50	Y		pass	pass	27	25.1	good	
	8:05		Y	pass	pass	27	25.1	good	
+6M	8:20	Y		pass	pass	27	25.2	good	
	8:40		Y	pass	pass	27	25.1	good	
+14M	9:22	Y		pass	pass	27	25.3	good	
	9:58		Y	pass	pass	27	25.2	good	
+20M	10:40	Y		pass	pass	27	25.5	OK	
	11:20		Y	pass	pass	27	25.4	scraped.	

SGS

Grease Table Data Sheet

Project Name: KWG Resources **Date:** 7-Jun-07

Project No: 11622-001 **Operators:** D.Moore

Sample No: GF1-004 DMS 2nd Pass **Shift:** DAYS

Size Fraction	Time	First Pass	Second Pass	4mm Tracer Test	2mm Tracer Test	Water Temp (^{0}C)	Air Temp (^{0}C)	Grease Condition	Notes
	6:45	Start		pass	pass	27	25.4	New	
+4M	6:58	Y		pass	pass	27	25.1	good	
	7:12		Y	pass	pass	27	25.2	good	
+6M	7:25	Y		pass	pass	27	25.3	good	
	7:36		Y	pass	pass	27	25.1	good	
+14M	7:56	Y		pass	pass	27	25.2	good	
	8:20		Y	pass	pass	27	24.9	OK.	
+20M	9:00	Y		pass	pass	27	25	good	
	10:10		Y	pass	pass	27	25.1	scraped.	

SGS

Grease Table Data Sheet

Project Name: KWG Resources **Date:** 7-Jun-07

Project No: 11622-001 **Operators:** D.Moore

Sample No: MF2S-003 DMS 1st Pass **Shift:** DAYS

Size Fraction	Time	First Pass	Second Pass	4mm Tracer Test	2mm Tracer Test	Water Temp (^{0}C)	Air Temp (^{0}C)	Grease Condition	Notes
	10:00	Start		pass	pass	27	25	New	
+4M	10:08	Y		pass	pass	27	25.1	good	
	10:19		Y	pass	pass	27	25.1	good	
+6M	10:26	Y		pass	pass	27	25.2	good	
	10:42		Y	pass	pass	27	25.1	good	
+14M	11:03	Y		pass	pass	27	25.4	good	
	11:21		Y	pass	pass	27	25.2	good	
+20M	11:45	Y		pass	pass	27	25.3	good	
	12:30		Y	pass	pass	27	25.1	scraped.	

SGS

Grease Table Data Sheet

Project Name: KWG Resources **Date:** 7-Jun-07

Project No: 11622-001 **Operators:** D.Moore

Sample No: MF2-002 DMS 1st Pass **Shift:** DAYS

Size Fraction	Time	First Pass	Second Pass	4mm Tracer Test	2mm Tracer Test	Water Temp (^{0}C)	Air Temp (^{0}C)	Grease Condition	Notes
	13:08	Start		pass	pass	27	25	New	
+4M	13:15	Y		pass	pass	27	25	good	
	13:20		Y	pass	pass	27	25	good	
+6M	13:25	Y		pass	pass	27	25	good	
	13:35		Y	pass	pass	27	25	good	
+14M	13:41	Y		pass	pass	27	25	good	
	13:52		Y	pass	pass	27	25	good	
+20M	14:00	Y		pass	pass	27	25	good	
	14:25		Y					scraped.	

SGS

MAGNETIC SEPARATION DATA SHEET

Project: KWG Resources **Project No:** 11622-001

Sample ID: MF1-001 DMS Conc #1 Date: 11-Jun-07

Drum No: All Grease Tails Operators: D.Moore

All weights to be recorded as tared weights only.

Size Fraction	Mesh Size	Dry Screen Wt (kg)	Weight %	Cumulative Wt %
+4.75 mm	+4M	2.17	4.1%	
+3.35-4.75 mm	+6M	8.02	15.3%	
+2.36-3.35 mm	+8M	n/a	n/a	
+1.18-2.36 mm	+14M	26.74	51.0%	
+0.85-1.18 mm	+20M	15.49	29.5%	
-0.85 mm	-20M			
TOTAL		**52.42**	**100.0%**	

Security Seals: Removed: no seals

Added:

Size Fraction	Mesh Size	Non-Mags Wt (g)	Nons as % of Total	
+4.75 mm	+4M	88.71	4.1%	
+3.35-4.75 mm	+6M	252.57	3.1%	
+2.36-3.35 mm	+8M	n/a	n/a	
+1.18-2.36 mm	+14M	2838.26	10.6%	
+0.85-1.18 mm	+20M	893.5	5.8%	
-0.85 mm	-20M			
TOTAL		**4073.04**	**7.8%**	

Security Seals: Removed:

Added: All conc's to one pail, seal #19091.

SGS

MAGNETIC SEPARATION DATA SHEET

Project: KWG Resources **Project No:** 11622-001

Sample ID: MF1-001 DMS Conc #2 Date: 11-Jun-07

Drum No: All Grease Tails Operators: D.Moore

All weights to be recorded as tared weights only.

Size Fraction	Mesh Size	Dry Screen Wt (kg)	Weight %	Cumulative Wt %
+4.75 mm	+4M	4.31	10.9%	
+3.35-4.75 mm	+6M	9.1	23.0%	
+2.36-3.35 mm	+8M	n/a	n/a	
+1.18-2.36 mm	+14M	16.41	41.5%	
+0.85-1.18 mm	+20M	9.74	24.6%	
-0.85 mm	-20M			
TOTAL		**39.56**	**100.0%**	

Security Seals: Removed: no seals

Added:

Size Fraction	Mesh Size	Non-Mags Wt (g)	Nons as % of Total	
+4.75 mm	+4M	310.01	7.2%	
+3.35-4.75 mm	+6M	519.53	5.7%	
+2.36-3.35 mm	+8M	n/a	n/a	
+1.18-2.36 mm	+14M	1444.13	8.8%	
+0.85-1.18 mm	+20M	625.1	6.4%	
-0.85 mm	-20M			
TOTAL		**2898.77**	**7.3%**	

Security Seals: Removed:

Added: All conc's to one pail, seal # 19091.

SGS

MAGNETIC SEPARATION DATA SHEET

Project: KWG Resources **Project No:** 11622-001

Sample ID: MF2-002 DMS Conc #1 Date: 11-Jun-07

Drum No: All Grease Tails Operators: D.Moore

All weights to be recorded as tared weights only.

Size Fraction	Mesh Size	Dry Screen Wt (kg)	Weight %	Cumulative Wt %
+4.75 mm	+4M	1.44	11.3%	
+3.35-4.75 mm	+6M	2.74	21.5%	
+2.36-3.35 mm	+8M	n/a	n/a	
+1.18-2.36 mm	+14M	6.27	49.1%	
+0.85-1.18 mm	+20M	2.32	18.2%	
-0.85 mm	-20M			
TOTAL		**12.77**	**100.0%**	

Security Seals: Removed: no seals

Added:

Size Fraction	Mesh Size	Non-Mags Wt (g)	Nons as % of Total	
+4.75 mm	+4M	266.66	18.5%	
+3.35-4.75 mm	+6M	618.81	22.6%	
+2.36-3.35 mm	+8M	n/a	n/a	
+1.18-2.36 mm	+14M	1738.58	27.7%	
+0.85-1.18 mm	+20M	495.12	21.3%	
-0.85 mm	-20M			
TOTAL		**3119.17**	**24.4%**	

Security Seals: Removed:

Added: All conc's to one pail, seal #19092.

SGS

MAGNETIC SEPARATION DATA SHEET

Project: KWG Resources **Project No:** 11622-001

Sample ID: MF2-002 DMS Conc #2 Date: 11-Jun-07

Drum No: All Grease Tails Operators: D.Moore

All weights to be recorded as tared weights only.

Size Fraction	Mesh Size	Dry Screen Wt (grams)	Weight %	Cumulative Wt %
+4.75 mm	+4M	352.26	6.5%	
+3.35-4.75 mm	+6M	764.85	14.1%	
+2.36-3.35 mm	+8M	n/a	n/a	
+1.18-2.36 mm	+14M	2853.74	52.6%	
+0.85-1.18 mm	+20M	1212.77	22.3%	
-0.85 mm	-20M	244.78	4.5%	
TOTAL		**5428.4**	**100.0%**	

Security Seals: Removed: no seals

Added:

Size Fraction	Mesh Size	Non-Mags Wt (grams)	Nons as % of Total	
+4.75 mm	+4M	90.31	25.6%	
+3.35-4.75 mm	+6M	229.8	30.0%	
+2.36-3.35 mm	+8M	n/a	n/a	
+1.18-2.36 mm	+14M	881.55	30.9%	
+0.85-1.18 mm	+20M	272.52	22.5%	
-0.85 mm	-20M	n/a	n/a	
TOTAL		**1474.18**	**27.2%**	

Security Seals: Removed:

Added: All conc's to one pail, seal #19092.

SGS

MAGNETIC SEPARATION DATA SHEET

Project: KWG Resources **Project No:** 11622-001

Sample ID: MF2S-003 DMS Conc #1 Date: 11-Jun-07

Drum No: All Grease Tails Operators: D.Moore

All weights to be recorded as tared weights only.

Size Fraction	Mesh Size	Dry Screen Wt (kg)	Weight %	Cumulative Wt %
+4.75 mm	+4M	5.29	22.2%	
+3.35-4.75 mm	+6M	5.76	24.1%	
+2.36-3.35 mm	+8M	n/a	n/a	
+1.18-2.36 mm	+14M	10.17	42.6%	
+0.85-1.18 mm	+20M	2.66	11.1%	
-0.85 mm	-20M			
TOTAL		**23.88**	**100.0%**	

Security Seals: Removed: no seals

Added:

Size Fraction	Mesh Size	Non-Mags Wt (g)	Nons as % of Total	
+4.75 mm	+4M	3390.0	64.1%	
+3.35-4.75 mm	+6M	3800.0	66.0%	
+2.36-3.35 mm	+8M	n/a	n/a	
+1.18-2.36 mm	+14M	7070.0	69.5%	
+0.85-1.18 mm	+20M	1414.3	53.2%	
-0.85 mm	-20M			
TOTAL		**15674.3**	**65.6%**	

Security Seals: Removed:

Added: Four pails: seals 19093, 19094, 19095, 19096

SGS

MAGNETIC SEPARATION DATA SHEET

Project: KWG Resources **Project No:** 11622-001

Sample ID: MF2S-003 DMS Conc #2 Date: 11-Jun-07

Drum No: All Grease Tails Operators: D.Moore

All weights to be recorded as tared weights only.

Size Fraction	Mesh Size	Dry Screen Wt (grams)	Weight %	Cumulative Wt %
+4.75 mm	+4M	577.89	11.2%	
+3.35-4.75 mm	+6M	1042.55	20.2%	
+2.36-3.35 mm	+8M	n/a	n/a	
+1.18-2.36 mm	+14M	2598.84	50.4%	
+0.85-1.18 mm	+20M	796.64	15.4%	
-0.85 mm	-20M	142.71	2.8%	
TOTAL		**5158.63**	**100.0%**	

Security Seals: Removed: no seals

Added:

Size Fraction	Mesh Size	Non-Mags Wt (grams)	Nons as % of Total	
+4.75 mm	+4M	454.84	78.7%	
+3.35-4.75 mm	+6M	797.61	76.5%	
+2.36-3.35 mm	+8M	n/a	n/a	
+1.18-2.36 mm	+14M	1907.86	73.4%	
+0.85-1.18 mm	+20M	467.03	58.6%	
-0.85 mm	-20M	n/a	n/a	
TOTAL		**3627.34**	**70.3%**	

Security Seals: Removed:

Added: All conc's to one pail, seal #19096.

SGS

MAGNETIC SEPARATION DATA SHEET

Project: KWG Resources **Project No:** 11622-001

Sample ID: GF1-004 DMS Conc #1 Date: 11-Jun-07

Drum No: All Grease Tails Operators: D.Moore

All weights to be recorded as tared weights only.

Size Fraction	Mesh Size	Dry Screen Wt (kg)	Weight %	Cumulative Wt %
+4.75 mm	+4M	2.72	3.9%	
+3.35-4.75 mm	+6M	10.62	15.3%	
+2.36-3.35 mm	+8M	n/a	n/a	
+1.18-2.36 mm	+14M	37.73	54.3%	
+0.85-1.18 mm	+20M	18.37	26.5%	
-0.85 mm	-20M			
TOTAL		**69.44**	**100.0%**	

Security Seals: Removed: no seals

Added:

Size Fraction	Mesh Size	Non-Mags Wt (g)	Nons as % of Total	
+4.75 mm	+4M	102.31	3.8%	
+3.35-4.75 mm	+6M	295.48	2.8%	
+2.36-3.35 mm	+8M	n/a	n/a	
+1.18-2.36 mm	+14M	3100.77	8.2%	
+0.85-1.18 mm	+20M	810.03	4.4%	
-0.85 mm	-20M			
TOTAL		**4308.59**	**6.2%**	

Security Seals: Removed:

Added: All conc's to one pail, seal # 19097.

SGS **MAGNETIC SEPARATION DATA SHEET**

Project: KWG Resources **Project No:** 11622-001

Sample ID: GF1-004 DMS Conc #2 Date: 11-Jun-07

Drum No: All Grease Tails Operators: D.Moore

All weights to be recorded as tared weights only.

Size Fraction	Mesh Size	Dry Screen Wt (kg)	Weight %	Cumulative Wt %
+4.75 mm	+4M	3.39	9.0%	
+3.35-4.75 mm	+6M	5.67	15.1%	
+2.36-3.35 mm	+8M	n/a	n/a	
+1.18-2.36 mm	+14M	16.85	45.0%	
+0.85-1.18 mm	+20M	11.57	30.9%	
-0.85 mm	-20M			
TOTAL		**37.48**	**100.0%**	

Security Seals: Removed: no seals

Added:

Size Fraction	Mesh Size	Non-Mags Wt (g)	Non-Mags as %	
+4.75 mm	+4M	172.95	5.1%	
+3.35-4.75 mm	+6M	271.3	4.8%	
+2.36-3.35 mm	+8M	n/a	n/a	
+1.18-2.36 mm	+14M	1524.84	9.0%	
+0.85-1.18 mm	+20M	767.14	6.6%	
-0.85 mm	-20M			
TOTAL		**2736.23**	**7.3%**	

Security Seals: Removed:

Added: All conc's to one pail, seal # 19097.

Appendix V:

Sample Weight Data

Master Tracking List: Processing Weights
KWG Resources: Project 11622-001

Last Update: June 14, 2007

As-Received Sample Wts			DMS Feed Dry Wts			DMS Conc 1st Pass (Wet Wt)			DMS Conc 1st Pass (Dry Wt)			DMS Tailings Wet Wt		
Sample	No. Bags	Wt (kg)	Drum	Sec Seal	Wt (kg)	Drum	Sec Seal	Wt (kg)	Drum	Sec Seal	Wt (kg)	Drum	Sec Seal	Wt (kg)
MF1	62	1188.12	1	no seal	217.5	MF1	19967	61.3	MF1	19991	53.25	1	19977	270.3
MF2	32	473.83	2	no seal	265.0	MF2	19994	15.1	MF2	no seal	12.91	2	19982	260.3
MF2S	59	833.58	3	no seal	219.5	MF2S	20000	27.6	MF2S	in oven	24.05	3	19978	266.4
GF1	66	1210.26	4	no seal	230.5	GF1	19994	86.1	GF1	in oven	70.05	4	19980	166.8
			5	no seal	224.0							MF1	Total	963.8
			MF1	Total	1156.5							1	no seal	236.1
			1	19983	190.0							2	no seal	133.4
			2	19984	246.5							MF2	Total	369.5
			MF2	Total	436.5							1	no seal	253.9
			1	19985	81.5							2	no seal	146.1
			2	19989	263.5							3	no seal	252.8
			3	19987	209.5							MF2S	Total	652.8
			4	19988	241.0							1	19990	269.9
			MF2S	Total	795.5							2	19995	233.6
			1	no seal	239.5							3	19996	265.1
			2	no seal	214.0							4	19997	214.8
			3	no seal	239.5							GF1	Total	983.4
			4	no seal	234.0									
			5	no seal	243.0									
			GF1	Total	1170.0									
	219	3705.79			3558.5			190.1			160.26			2969.5

MF1
MF2
MF2S
GF1

Master Tracking List: Processing Weights: Page 2
KWG Resources: Project 11622-001

Last Update: June 14, 2007

HPGR Crushed DMS Feed Wts			DMS Conc 2nd Pass (Wet Wt)			DMS Conc 2nd Pass (Dry Wt)			Final DMS Tailings Wet Wt.					
Drum	Sec Seal	Wt (kg)	Drum	Sec Seal	Wt (kg)	Drum	Sec Seal	Wt (kg)	Drum	Sec Seal	Wt (kg)	Drum	Sec Seal	Wt (kg)
1	no seal	270.3	MF1	20825	46.2	MF1	no seal	39.75	1	20832	345.5			
2	no seal	260.3	MF2	20825	7.0	MF2	no seal	5.50	2	20831	327.5			
3	no seal	266.4	MF2S	20825	6.2	MF2S	no seal	5.20	MF1	Total	673.0			
4	no seal	166.8	GF1	20825	42.9	GF1	no seal	37.73	1	20814	232.5			
MF1	Total	963.8							MF2	Total	232.5			
1	no seal	236.1							1	20830	305.5			
2	no seal	133.4							2	20821	89.5			
MF2	Total	369.5							MF2S	Total	395.0			
1	no seal	253.9							1	20812	336.5			
2	no seal	146.1							2	20813	262.5			
3	no seal	252.8							GF1	Total	599.0			
MF2S	Total	652.8												
1	no seal	269.9												
2	no seal	233.6												
3	no seal	265.1												
4	no seal	214.8												
GF1	Total	983.4												
		2969.50			102.2			88.18			1899.5			

MF1
MF2
MF2S
GF1

Master Tracking List: Processing Weights: Page 3 **Last Update:** June 14, 2007

KWG Resources: Project 11622-001

XRS-Grease Feed, Conc#1 Dry				XRS-Grease Feed, Conc#2 Dry				Final DMS Tailings Wt.			Final Mag Fractions (Dry)				
Pail	M	Sec Seal	Wt (kg)	Pail	M	Sec Seal	Wt (kg)	Drum	Sec Seal	Wt (kg)	Pail	M	Label 1	Label 2	Wt (kg)
1	+4M	no seal	2.2	1	+4M	no seal	4.3	1	20832	345.5	1	+4M	1st pass conc	mags	2.07
2	+6M	no seal	8.0	2	+6M	no seal	9.1	2	20831	327.5	1	+6M	1st pass conc	mags	7.77
3	+14M	no seal	26.7	3	+14M	no seal	16.4	**MF1**	**Total**	**673.0**	2	+14M	1st pass conc	mags	23.80
4	+20M	no seal	15.5	4	+20M	no seal	9.7	1	20814	232.5	3	+20M	1st pass conc	mags	14.41
MF1		**Total**	**52.4**	**MF1**		**Total**	**39.5**	**MF2**	**Total**	**232.5**	1	+4M	2nd pass conc	mags	3.90
1	+4M	no seal	1.4	1	+4M	no seal	0.353	1	20830	305.5	1	+6M	2nd pass conc	mags	8.57
2	+6M	no seal	2.8	2	+6M	no seal	0.765	2	20821	89.5	4	+14M	2nd pass conc	mags	14.85
3	+14M	no seal	6.3	3	+14M	no seal	2.9	**MF2S**	**Total**	**395.0**	3	+20M	2nd pass conc	mags	8.99
4	+20M	no seal	2.3	4	+20M	no seal	1.2	1	20812	336.5			**MF1-001**	**Total**	**84.36**
MF2		**Total**	**12.8**	**MF2**		**Total**	**5.2**	2	20813	262.5	5	+4M	1st pass conc	mags	1.16
1	+4M	no seal	5.3	1	+4M	no seal	0.578	**GF1**	**Total**	**599.0**	5	+6M	1st pass conc	mags	2.13
2	+6M	no seal	5.8	2	+6M	no seal	1.0				5	+14M	1st pass conc	mags	4.54
3	+14M	no seal	10.2	3	+14M	no seal	2.6				5	+20M	1st pass conc	mags	1.720
4	+20M	no seal	2.7	4	+20M	no seal	0.797				5	+4M	2nd pass conc	mags	0.264
MF2S		**Total**	**24.0**	**MF2S**		**Total**	**5.0**				5	+6M	2nd pass conc	mags	0.537
1	+4M	no seal	2.7	1	+4M	no seal	3.4				5	+14M	2nd pass conc	mags	1.91
2	+6M	no seal	10.6	2	+6M	no seal	5.7				5	+20M	2nd pass conc	mags	0.953
3	+14M	no seal	37.7	3	+14M	no seal	16.8						**MF2-002**	**Total**	**13.21**
4	+20M	no seal	18.4	4	+20M	no seal	11.6				6	+4M	1st pass conc	mags	1.83
GF1		**Total**	**69.4**	**GF1**		**Total**	**37.5**				6	+6M	1st pass conc	mags	2.00
											6	+14M	1st pass conc	mags	3.10
											6	+20M	1st pass conc	mags	1.17
											6	+4M	2nd pass conc	mags	0.125
											6	+6M	2nd pass conc	mags	0.247
MF1											6	+14M	2nd pass conc	mags	0.70
MF2											6	+20M	2nd pass conc	mags	0.333
MF2S													**MF2S-003**	**Total**	**9.50**
GF1											7	+4M	1st pass conc	mags	2.49
											7	+6M	1st pass conc	mags	10.33
											8,9	+14M	1st pass conc	mags	34.52
											10	+20M	1st pass conc	mags	17.46
											7	+4M	2nd pass conc	mags	3.22
											7	+6M	2nd pass conc	mags	5.29
											11	+14M	2nd pass conc	mags	15.23
											9	+20M	2nd pass conc	mags	10.71
													GF1-004	**Total**	**99.25**
			158.6				**87.2**			**1899.5**					**206.33**

As-Received Sample Weights: KWG Resources Project 11622-001 **24-May-07**

MF2	As-Received Sample Weights			
Bag	From (m)	To (m)	Seal	Wt (kg)
1	12.6	13.4	144375	14.14
2	41.5	53.3	144378	5.53
3	53.3	64.3	144379	6.68
4	64.3	73.6	144376	9.26
5	73.6	84.0	144377	8.64
6	84.0	92.2	144380	16.45
7	92.2	100.4	144381	15.14
8	100.4	108.8	144386	18.08
9	108.8	117.6	144386	20.02
10	117.6	125.9	144390	18.20
11	134.3	142.5	144387	18.41
12	138.4	150.3	144384	16.54
13	150.3	158.8	144371	17.19
14	158.8	167.3	144373	17.27
15	167.3	175.1	144374	13.27
16	175.1	180.6	144372	11.87
17	180.6	192.0	144354	3.92
18	44.0	52.6	144395	17.60
19	52.6	62.1	144396	16.90
20	62.1	90.0	144400	3.27
21	91.0	99.0	144355	16.76
22	99.0	107.0	144356	17.22
23	107.0	115.5	144353	18.33
24	115.5	123.9	144351	18.62
25	123.9	131.9	144352	17.90
26	131.9	139.9	144389	13.13
27	139.9	148.9	144383	18.57
28	148.9	157.5	144385	17.47
29	157.5	166.1	144391	18.25
30	166.1	174.6	144399	15.14
31	174.6	183.0	144398	18.42
32	183.0	192.5	144394	15.64
				473.83

GF1	As-Received Sample Weights			
Bag	From (m)	To (m)	Seal	Wt (kg)
1	127.8	135.6	144233	18.91
2	147.2	155.0	144278	6.67
3	47.4	53.0	144255	15.73
4	78.2	86.3	144240	19.86
5	138.4	147.2	144266	17.86
6	149.7	156.1	144260	14.07
7	56.2	63.7	144263	17.12
8	104.0	112.7	144277	18.15
9	123.1	131.7	144249	21.29
10	95.3	104.5	144270	18.35
11	112.7	121.3	144267	19.96
12	86.3	96.7	144241	16.99
13	66.0	75.6	144266	16.18
14	78.2	86.2	144280	18.02
15	101.8	110.3	144281	17.94
16	127.6	131.8	144282	4.00
17	84.3	93.0	144253	19.34
18	105.3	114.0	144237	19.74
19	97.5	106.5	144008	21.19
20	106.5	115.0	144232	20.40
21	72.4	81.0	144235	20.44
22	93.0	101.6	144251	19.12
23	62.0	70.1	144275	17.87
24	115.1	123.8	144231	20.49
25	123.8	132.4	144230	20.57
26	122.9	131.6	144002	20.00
27	63.7	72.4	144229	20.52
28	148.7	157.3	144286	20.51
29	80.3	88.9	144248	20.27
30	144.5	157.0	144227	16.83
31	118.9	127.6	144285	19.21
32	121.3	130.1	144283	18.23
33	93.1	101.3	144284	18.71
34	110.3	118.9	144288	18.29
35	60.0	69.5	144244	16.37
				629.20

GF1	As-Received Sample Weights			
Bag	From (m)	To (m)	Seal	Wt (kg)
36	38.2	46.1	144262	18.79
37	132.4	141.0	144238	20.58
38	114.6	123.1	144264	20.23
39	81.0	89.4	144236	20.38
40	84.5	93.1	144287	19.19
41	88.9	97.4	144259	20.87
42	101.6	110.4	144254	18.45
43	69.5	78.2	144242	19.67
44	46.1	53.0	144269	12.61
45	76.0	84.5	144274	16.79
46	105.9	114.6	144258	19.95
47	140.5	148.7	144256	19.53
48	89.4	97.8	144265	18.71
49	70.1	78.2	144273	17.90
50	75.6	84.3	144257	19.48
51	71.3	80.3	144280	19.73
52	131.6	144.0	143060	15.13
53	63.8	71.3	144247	21.84
54	137.3	160.3	144261	7.25
55	86.8	95.3	144279	19.25
56	135.6	144.5	144226	19.98
57	110.4	119.2	144252	17.40
58	97.4	104.9	144246	21.91
59	53.9	62.0	144271	15.11
60	131.7	140.5	144276	19.68
61	119.2	127.2	144234	18.42
62	96.7	105.3	144239	20.11
63	130.1	138.6	144272	17.73
64	141.0	149.7	144243	21.81
65	54.6	63.8	144245	20.98
66	114.0	122.9	144007	21.60
				581.06
				1210.26

As-Received Sample Weights: KWG Resources Project 11622-001 24-May-07

MF2S	As-Received Sample Weights			
Bag	From (m)	To (m)	Seal	Wt (kg)
1	51.8	60.5	144405	13.65
2	73.7	87.6	144415	11.70
3	115.3	127.0	144417	13.05
4	89.4	97.6	144425	13.70
5	215.3	246.0	144406	13.45
6	206.7	215.3	144410	18.35
7	60.5	73.7	144407	11.45
8	41.4	51.8	144406	13.65
9	81.0	89.4	144411	12.44
10	106.1	115.0	144424	15.80
11	186.1	194.4	144403	15.33
12	97.6	106.1	144426	14.60
13	72.6	81.0	144412	12.30
14	95.9	103.9	144420	13.63
15	197.4	206.7	144409	18.47
16	103.9	115.3	144414	13.66
17	87.6	95.9	144418	12.19
18	56.0	64.1	144416	9.15
19	64.1	72.6	144419	13.09
20	127.0	153.0	144413	14.88
21	43.5	56.5	144361	12.01
22	169.3	177.3	144402	17.37
23	150.0	165.5	144401	19.73
24	85.8	94.5	144366	10.54
25	56.5	69.8	144367	11.56
26	165.0	169.3	144393	8.93
27	66.3	75.8	144368	15.07
28	75.8	84.4	144370	15.16
29	121.3	130.2	144357	12.56
30	173.1	186.1	144404	17.59
31	94.5	102.8	144365	10.92
32	138.6	150.0	144392	15.34
33	93	111.7	144360	11.87
34	69.8	85.8	144363	12.00
35	111.7	121.3	144362	11.90
				477.09

MF2S	As-Received Sample Weights			
Bag	From (m)	To (m)	Seal	Wt (kg)
36	130.2	138.6	144364	16.58
37	84.4	93.0	144356	14.00
38	57.0	66.3	144369	14.15
39	102.8	135.0	144359	4.96
40	132.8	141.5	144438	19.38
41	134.5	150.0	144421	14.43
42	158.2	167.9	144441	13.66
43	89.4	98.5	144434	15.70
44	150.0	158.2	144442	15.14
45	141.5	150.0	144439	18.80
46	115.3	124.0	144436	17.30
47	84.2	93.1	144429	19.12
48	50.9	75.8	144428	7.28
49	106.5	115.3	144437	18.48
50	124.0	134.5	144423	11.75
51	54.0	80.5	144432	8.70
52	115.0	124.0	144422	13.86
53	98.5	106.5	144435	14.13
54	102.6	114.5	144431	19.19
55	93.1	102.6	144430	19.14
56	80.5	89.4	144433	17.81
57	75.8	84.2	144427	17.46
58	124.0	132.8	144440	16.55
59	167.9	189.0	144443	8.92
				356.49
				833.58

	As-Received Sample Weights			
Bag	From (m)	To (m)	Seal	Wt (kg)

As-Received Sample Weights: KWG Resources Project 11622-001 24-May-07

MF1	As-Received Sample Weights			
Bag	From (m)	To (m)	Seal	Wt (kg)
1	70.8	80.1	144300	17.05
2	167.4	175.4	144307	20.17
3	99.7	108.4	144303	20.94
4	201.5	210.4	144306	19.32
5	194.0	203.0	144328	20.04
6	160.9	169.6	144312	20.78
7	152.0	160.9	144331	21.18
8	135.0	143.5	144334	17.96
9	126.8	135.0	144327	16.43
10	227.9	236.7	144291	17.00
11	80.1	88.7	144323	20.30
12	158.8	167.4	144304	21.24
13	67.2	75.1	144299	16.29
14	169.6	178.9	144310	21.85
15	169.0	177.3	144332	20.02
16	75.1	83.1	144318	17.38
17	59.2	64.8	144292	7.98
18	88.2	97.4	144316	20.23
19	178.9	186.9	144319	20.11
20	184.7	192.9	144321	19.25
21	160.4	169.0	144337	20.00
22	108.4	117.2	144314	21.19
23	82.9	90.9	144315	17.95
24	74.0	82.9	144326	17.15
25	204.3	212.9	144342	20.38
26	132.6	141.3	144336	14.76
27	175.4	184.7	144305	20.44
28	210.4	219.2	144320	21.32
29	219.2	229.9	144308	20.80
30	46.9	55.6	144309	16.58
31	115.0	123.9	144346	20.50
32	126.0	134.7	144330	20.41
33	106.2	115	144322	20.43
34	143.3	152	144313	19.48
35	90.9	99.7	144311	20.50
				667.41

MF1	As-Received Sample Weights			
Bag	From (m)	To (m)	Seal	Wt (kg)
36	91.6	101.5	144324	20.25
37	221.7	230.4	144345	20.94
38	185.9	194.1	144329	19.99
39	101.5	109.2	144325	20.07
40	219.5	228.5	144340	20.77
41	186.9	195.5	144335	19.97
42	208.0	211.4	144344	19.91
43	212.9	221.7	144349	21.37
44	177.3	185.9	144350	21.21
45	97.4	106.2	144317	20.29
46	141.3	150.0	144347	20.99
47	211.4	219.5	144341	18.62
48	151.0	160.4	144333	20.87
49	143.5	151.0	144343	20.75
50	123.9	132.6	144346	19.80
51	195.5	??	144338	19.51
52	118.0	126.8	144339	17.49
53	150.0	158.8	144289	20.34
54	134.7	143.3	144295	18.79
55	27.9	38.7	144293	12.31
56	230.4	234.8	144296	9.59
57	192.9	201.5	144290	19.59
58	83.1	91.6	144301	19.24
59	38.2	46.9	144294	17.94
60	64.8	74.0	144297	18.30
61	109.2	118.0	144302	20.57
62	117.2	126.0	144298	21.24
				520.71
				1188.12

	As-Received Sample Weights			
Bag	From (m)	To (m)	Seal	Wt (kg)

SGS

SECURITY SEAL REGISTRY

Project: KWG Resources 11622-001

Date	Security Seal No.	Operator Name	Seal Record		Explanation of Action
			Added	Removed	
28-May-07	19979	J.Brendon	x		Oven seal: KIM-MF1 to dry.
29-May-07	19979	P.Saunders		x	DMS Conc MF1-001 to dry.
29-May-07	19967	J.Brendon	x		New oven seal
30-May-07	19967	J.Brendon		x	KIM-GF1 to oven to dry
30-May-07	19983	J.Brendon	x		MF2-002 dms feed (drum 1/2)
30-May-07	19984	J.Brendon	x		MF2-002 dms feed (drum 2/2)
30-May-07	19985	J.Brendon	x		MF2S-003 dms feed (drum 1/4)
30-May-07	19989	J.Brendon	x		MF2S-003 dms feed (drum 2/4)
30-May-07	19987	J.Brendon	x		MF2S-003 dms feed (drum 3/4)
30-May-07	19988	J.Brendon	x		MF2S-003 dms feed (drum 4/4)
30-May-07	19991	J.Brendon	x		MF1-001 dms conc (dry) to cabinet.
31-May-07	19984	P.Saunders		x	MF2-002 dms feed (drum 2/2)
31-May-07	19983	P.Saunders		x	MF2-002 dms feed (drum 1/2)
31-May-07	19985	P.Saunders		x	MF2S-003 dms feed (drum 1/4)
31-May-07	19989	P.Saunders		x	MF2S-003 dms feed (drum 2/4)
31-May-07	19987	P.Saunders		x	MF2S-003 dms feed (drum 3/4)
31-May-07	19988	P.Saunders		x	MF2S-003 dms feed (drum 4/4)
31-May-07	19994	J.Brendon	x		oven seal: DMS Conc GF1-004
31-May-07	19994	J.Brendon	x		oven seal: DMS Conc MF2-002
31-May-07	19977	J.Brendon	x		MF1-001 DMS 1st pass tails (drum 1/4)
31-May-07	19982	J.Brendon	x		MF1-001 DMS 1st pass tails (drum 2/4)
31-May-07	19978	J.Brendon	x		MF1-001 DMS 1st pass tails (drum 3/4)
31-May-07	19980	J.Brendon	x		MF1-001 DMS 1st pass tails (drum 4/4)
31-May-07	19990	J.Brendon	x		GF1-004 DMS 1st pass tails (drum 1/4)
31-May-07	19995	J.Brendon	x		GF1-004 DMS 1st pass tails (drum 2/4)
31-May-07	19996	J.Brendon	x		GF1-004 DMS 1st pass tails (drum 3/4)
31-May-07	19997	J.Brendon	x		GF1-004 DMS 1st pass tails (drum 4/4)
1-Jun-07	19977	P.Saunders		x	MF1-001 1st pass tails(drum 1/4) to HPGR
1-Jun-07	19982	P.Saunders		x	MF1-001 1st pass tails(drum 2/4) to HPGR
1-Jun-07	19978	P.Saunders		x	MF1-001 1st pass tails(drum 3/4) to HPGR
1-Jun-07	19980	P.Saunders		x	MF1-001 1st pass tails(drum 4/4) to HPGR
1-Jun-07	19990	P.Saunders		x	GF1-004 1st pass tails(drum 1/4) to HPGR

SGS

SECURITY SEAL REGISTRY

Project: KWG Resources 11622-001

Date	Security Seal No.	Operator Name	Seal Record		Explanation of Action
			Added	Removed	
1-Jun-07	19995	P.Saunders		x	GF1-004 1st pass tails(drum 2/4) to HPGR
1-Jun-07	19996	P.Saunders		x	GF1-004 1st pass tails(drum 3/4) to HPGR
1-Jun-07	19997	P.Saunders		x	GF1-004 1st pass tails(drum 4/4) to HPGR
1-Jun-07	20000	P.Saunders	x		oven seal: DMS conc's to dry
1-Jun-07	20000	J.Brendon		x	Added all 2nd pass conc's to oven
1-Jun-07	20825	J.Brendon	x		Oven seal: All 2nd pass conc's to dry.
1-Jun-07	20822	J.Brendon	x		DMS Conc MF2-002 to cabinet
4-Jun-07	20822	P.Saunders		x	DMS Conc to XRS screening
4-Jun-07	19998	D.Moore	x		Oven seal
4-Jun-07	19999	D.Moore	x		MF1-001 XRS Conc.
5-Jun-07	19999	D.Moore		x	MF1-001 XRS Conc.
5-Jun-07	20829	D.Moore	x		MF1-001 XRS Conc.
5-Jun-07	20835	D.Moore	x		MF1-001 grease conc seal 1/2 to Min.
5-Jun-07	20836	D.Moore	x		MF1-001 grease conc seal 2/2 to Min.
5-Jun-07	19998	D.Moore		x	Oven seal
5-Jun-07	20840	D.Moore	x		MF1-001 2nd pass, XRS Conc.
5-Jun-07	20827	D.Moore	x		MF1-001 DMS 2nd Pass grease conc (1/2)
5-Jun-07	20828	D.Moore	x		MF1-001 DMS 2nd Pass grease conc (2/2)
5-Jun-07	20834	D.Moore	x		Oven seal
5-Jun-07	20829	J.Brendon		x	MF1-001 XRS Conc. to dry
5-Jun-07	20837	J.Brendon	x		MF1-001 XRS Conc to Mineralogy.
5-Jun-07	20840	J.Brendon		x	MF1-001 2nd Pass XRS Conc. to dry
5-Jun-07	20838	J.Brendon	x		MF1-001 2nd Pass XRS Conc to Min.
6-Jun-07	20834	D.Moore		x	Oven seal
6-Jun-07	20839	D.Moore	x		GF1-004 XRS Conc.
7-Jun-07	20839	D.Moore		x	GF1-004 XRS Conc.
8-Jun-07	19001	J.Brendon	x		MF2-002 1st Pass, XRS conc. to Min.
8-Jun-07	19002	J.Brendon	x		GF1-004 2nd Pass, Grease conc to Min.
8-Jun-07	19003	J.Brendon	x		GF1-004 1st Pass, Grease conc to Min.
8-Jun-07	19004	J.Brendon	x		MF2-002 1st Pass Grease conc to Min.
8-Jun-07	19005	J.Brendon	x		MF2S-003 1st Pass Grease conc to Min.
8-Jun-07	19006	J.Brendon	x		MF2S-003 1st Pass XRS conc to Min.

SGS

SECURITY SEAL REGISTRY

Project: KWG Resources 11622-001

Date	Security Seal No.	Operator Name	Seal Record		Explanation of Action
			Added	Removed	
8-Jun-07	19007	J.Brendon	x		GF1-004 1st Pass XRS Conc to Min.
8-Jun-07	19008	J.Brendon	x		GF1-004 2nd Pass XRS Conc to Min.
13-Jun-07	19091	J.Brendon	x		All MF1-001 Non-Mags to Min.
13-Jun-07	19092	J.Brendon	x		All MF2-002 Non-Mags to Min.
13-Jun-07	19093	J.Brendon	x		MF2S-003 +4M Non-Mags to Min.
13-Jun-07	19094	J.Brendon	x		MF2S-003 +6M Non-Mags to Min.
13-Jun-07	19095	J.Brendon	x		MF2S-003 +14M Non-Mags to Min.
13-Jun-07	19096	J.Brendon	x		MF2S-003 +20M Non-Mags to Min.
13-Jun-07	19096	J.Brendon	x		All MF2S-003 2ndPass Non-Mags to Min
13-Jun-07	19097	J.Brendon	x		All GF1-004 Non-Mags to Min.
13-Jun-07	20832	J.Brendon	x		MF1-001 final DMS tails (drum 1/2)
13-Jun-07	20831	J.Brendon	x		MF1-001 final DMS tails (drum 2/2)
13-Jun-07	20814	J.Brendon	x		MF2-002 final DMS tails (drum 1/1).
13-Jun-07	20830	J.Brendon	x		MF2S-003 final DMS tails (drum 1/2).
13-Jun-07	20821	J.Brendon	x		MF2S-003 final DMS tails (drum 2/2).
13-Jun-07	20812	J.Brendon	x		GF1-004 final DMS tails (drum 1/2)
13-Jun-07	20813	J.Brendon	x		GF1-004 final DMS tails (drum 2/2)

SGS Minerals Services: Diamond Projects **Mineralogy Chain of Custody**

Project Name: KWG Resources Ltd.
Project Number: 11622-001

Date Submitted: 29-May-07
Submitted By: J. Brendon
Received By/Date:

SAMPLE ID	No of Containers	Weight (kg)	DMS SECURITY SEALS		Analysis Requested HLS	Dia Sel	Other	Comments
CF-MF1	2	31.38	no seal	no seal			x	caustic fusion analysis
CF-MF2	2	31.66	no seal	no seal			x	caustic fusion analysis
CF-MF2S	2	31.67	no seal	no seal			x	caustic fusion analysis
CF-GF1	2	31.72	no seal	no seal			x	caustic fusion analysis

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LABORATORY INFORMATION (TO BE FILLED IN BY MINERALOGY LOGIN)			
Sample condition upon receipt:		Received Date:	Logged in Date:
		CofC #/LIMS #:	Login by:

SGS Minerals Services: Diamond Projects **Mineralogy Chain of Custody**

Project Name: KWG Resources Ltd.
Project Number: 11622-001

Date Submitted. 30-May-07
Submitted By: J. Brendon
Received By/Date:

SAMPLE ID	No of Containers	Weight (grams)	DMS SECURITY SEALS		Analysis Requested HLS	Dia Sel	Other	Comments
KIM-MF1	1	3055.3	19993	---	x			see below
KIM-GF1	1	2944.7	19992	---	x			see below
Dry screen into +0.25-0.425mm, +0.425-0.85mm, +0.85-1.70mm, +1.70-2.36mm, and +2.36-3.35 mm. Process each fraction								
through MI at SG=3.10. Pick HLS sinks for full suite indicator minerals and diamonds.								

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Sample condition upon receipt:		Received Date:	Logged in Date:
		CofC #/LIMS #:	Login by:

SGS Minerals Services: Diamond Projects **Mineralogy Chain of Custody**

Project Name: KWG Resources Ltd.
Project Number: 11622-001

Date Submitted: 1-Jun-07
Submitted By: J. Brendon
Received By/Date:

SAMPLE ID	No of Containers	Weight (grams)	DMS SECURITY SEALS		Analysis Requested HLS	Dia Sel	Other	Comments
KIM-MF2	1	2643.7	20823	---	x			see below
KIM-MF2S	1	2435.3	20824	---	x			see below
Dry screen into +0.25-0.425mm, +0.425-0.85mm, +0.85-1.70mm, +1.70-2.36mm, and +2.36-3.35 mm. Process each fraction								
through MI at SG=3.10. Pick HLS sinks for full suite indicator minerals and diamonds.								

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Sample condition upon receipt:		Received Date:	Logged in Date:
		CofC #/LIMS #:	Login by:

SGS Minerals Services: Diamond Projects **Mineralogy Chain of Custody**

Project Name: KWG Resources Ltd.
Project Number: 11622-001

Date Submitted: 5-Jun-07
Submitted By: J. Brendon
Received By/Date:

SAMPLE ID	No of Containers	Weight (grams)	DMS SECURITY SEALS		Analysis Requested HLS	Dia Sel	Other	Comments
MF1-001 DMS 1st Pass XRS Conc.	1	197.0	20837	---		x		
MF1-001 DMS 1st Pass Grease Conc.	1	n/a	20835	20836			x	to grease recovery
MF1-001 DMS 2nd Pass XRS Conc.	1	193.2	20838	---		x		
MF1-001 DMS 2nd Pass Grease Conc.	1	n/a	20827	20828			x	to grease recovery

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Sample condition upon receipt:		Received Date:	Logged in Date:
		CofC #/LIMS #:	Login by:

SGS Minerals Services: Diamond Projects **Mineralogy Chain of Custody**

Project Name: KWG Resources Ltd.
Project Number: 11622-001

Date Submitted: 8-Jun-07
Submitted By: J. Brendon
Received By/Date:

SAMPLE ID	No of Containers	Weight (grams)	DMS SECURITY SEALS		Analysis Requested HLS	Dia Sel	Other	Comments
MF2-002 DMS 1st Pass, XRS CONC.	1	109.7	19001	---		x		
MF2-002 DMS 1st Pass, GREASE CONC.	1	n/a	19004	---			x	to Grease Recovery
MF2S-003 DMS 1st Pass, XRS CONC.	1	138.3	19006	---		x		
MF2S-003 DMS 1st Pass, GREASE CONC.	1	n/a	19005	---			x	to Grease Recovery
GF1-004 DMS 1st Pass, XRS CONC.	1	394.9	19007	---		x		
GF1-004 DMS 1st Pass, GREASE CONC.	1	n/a	19003	---			x	to Grease Recovery
GF1-004 DMS 2nd Pass, XRS CONC.	1	135.3	19008	---		x		
GF1-004 DMS 2nd Pass, GREASE CONC.	1	n/a	19002	---			x	to Grease Recovery

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		CofC #/LIMS #:	Login by:

SGS Minerals Services: Diamond Projects **Mineralogy Chain of Custody**

Project Name: KWG Resources Ltd.
Project Number: 11622-001

Date Submitted: 13-Jun-07 **Page 1 of 4.**
Submitted By: J. Brendon
Received By/Date:

SAMPLE ID	No of Containers	Weight (grams)	DMS SECURITY SEALS		Analysis Requested HLS	Dia Sel	Other	Comments
MF1-001 DMS 1st Pass, Non-Mags, +4M	1	89.0	19091			x		All fractions to HLS if needed.
MF1-001 DMS 1st Pass, Non-Mags, +6M	1	264.5	19091			x		"
MF1-001 DMS 1st Pass, Non-Mags, +14M	2	2847.7	19091			x		"
MF1-001 DMS 1st Pass, Non-Mags, +20M	1	905.3	19091			x		"
MF1-001 DMS 2nd Pass, Non-Mags, +4M	2	310.3	19091			x		"
MF1-001 DMS 2nd Pass, Non-Mags, +6M	1	531.4	19091			x		"
MF1-001 DMS 2nd Pass, Non-Mags, +14M	1	1455.9	19091			x		"
MF1-001 DMS 2nd Pass, Non-Mags, +20M	1	636.7	19091			x		"

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		CofC #/LIMS #:	Login by:

SGS Minerals Services: Diamond Projects **Mineralogy Chain of Custody**

Project Name: KWG Resources Ltd.
Project Number: 11622-001

Date Submitted: 13-Jun-07 **Page 2 of 4.**
Submitted By: J. Brendon
Received By/Date:

SAMPLE ID	No of Containers	Weight (grams)	DMS SECURITY SEALS		Analysis Requested HLS	Dia Sel	Other	Comments
MF2-002 DMS 1st Pass, Non-Mags, +4M	1	279.4	19092			x		All fractions to HLS if needed.
MF2-002 DMS 1st Pass, Non-Mags, +6M	1	631.6	19092			x		"
MF2-002 DMS 1st Pass, Non-Mags, +14M	2	1762.2	19092			x		"
MF2-002 DMS 1st Pass, Non-Mags, +20M	1	508.0	19092			x		"
MF2-002 DMS 2nd Pass, Non-Mags, +4M	1	90.8	19092			x		"
MF2-002 DMS 2nd Pass, Non-Mags, +6M	1	242.8	19092			x		"
MF2-002 DMS 2nd Pass, Non-Mags, +14M	1	883.7	19092			x		"
MF2-002 DMS 2nd Pass, Non-Mags, +20M	1	285.3	19092			x		"

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		CofC #/LIMS #:	Login by:

SGS Minerals Services: Diamond Projects **Mineralogy Chain of Custody**

Project Name: KWG Resources Ltd.
Project Number: 11622-001

Date Submitted: 13-Jun-07 **Page 3 of 4.**
Submitted By: J. Brendon
Received By/Date:

SAMPLE ID	No of Containers	Weight (grams)	DMS SECURITY SEALS		Analysis Requested HLS	Dia Sel	Other	Comments
MF2S-003 DMS 1st Pass, Non-Mags, +4M	1	3430.0	PAIL 2	19093		x		All fractions to HLS if needed.
MF2S-003 DMS 1st Pass, Non-Mags, +6M	1	3830.0	PAIL 3	19094		x		"
MF2S-003 DMS 1st Pass, Non-Mags, +14M	1	7130.0	PAIL 4	19095		x		"
MF2S-003 DMS 1st Pass, Non-Mags, +20M	2	1412.9	PAIL 1	19096		x		"
MF2S-003 DMS 2nd Pass, Non-Mags, +4M	1	467.8	PAIL 1	19096		x		"
MF2S-003 DMS 2nd Pass, Non-Mags, +6M	1	809.5	PAIL 1	19096		x		"
MF2S-003 DMS 2nd Pass, Non-Mags, +14M	2	1931.2	PAIL 1	19096		x		"
MF2S-003 DMS 2nd Pass, Non-Mags, +20M	1	480.0	PAIL 1	19096		x		"

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		CofC #/LIMS #:	Login by:

SGS Minerals Services: Diamond Projects **Mineralogy Chain of Custody**

Project Name: KWG Resources Ltd.
Project Number: 11622-001

Date Submitted: 13-Jun-07 **Page 4 of 4**
Submitted By: J. Brendon
Received By/Date:

SAMPLE ID	No of Containers	Weight (grams)	DMS SECURITY SEALS		Analysis Requested HLS	Dia Sel	Other	Comments
GF1-004 DMS 1st Pass, Non-Mags, +4M	1	102.6	19097			x		All fractions to HLS if needed.
GF1-004 DMS 1st Pass, Non-Mags, +6M	1	306.0	19097			x		"
GF1-004 DMS 1st Pass, Non-Mags, +14M	2	3120.6	19097			x		"
GF1-004 DMS 1st Pass, Non-Mags, +20M	1	822.3	19097			x		"
GF1-004 DMS 2nd Pass, Non-Mags, +4M	1	173.0	19097			x		"
GF1-004 DMS 2nd Pass, Non-Mags, +6M	1	282.7	19097			x		"
GF1-004 DMS 2nd Pass, Non-Mags, +14M	2	1549.5	19097			x		"
GF1-004 DMS 2nd Pass, Non-Mags, +20M	1	779.5	19097			x		"

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		CofC #/LIMS #:	Login by: