DENSE MEDIA SEPARATION (DMS)

DIAMOND EXPLORATION SERVICES

SITE FACILITIES AND ENVIRONMENTAL PERMITTING
• Fully serviced and permitted processing facility
• On-site crushing using Cedar Rapids jaw/roll crusher (8” feed/15-20 t/hr capacity)
• Tailings disposal available

DMS PLANTS
• 1 and 15 t/hour throughputs
• 2 x 1 t/hr plants - 100 mm cyclone for recovery of diamonds up to 6 mm
• 1 x 15 t/hr plant – 360 mm cyclone for recovery of diamonds up to 25 mm
• Plant operating efficiency monitored using density tracers

PROCESSING CIRCUIT
• Sample crushing and scrubbing circuits to match DMS capacity
• Scrubbing/desliming @ 0.8 mm bottom screen size
• Recycle/regrind on primary recovery circuit to recover locked diamonds

DIAMOND RECOVERY
• Grease table and SORTEX™ recovery of diamonds
• Recycle/regrind of DMS tails, grease table and SORTEX™ rejects
• QA/QC program using natural diamond spikes (currently 99.5% recovery)
• Final diamond recovery from grease table and X-ray concentrates in secure, limited access facility
• Caustic dissolution of process concentrates

SITE SECURITY INCLUDES
• Locked compound and coded swipe-card access
• Contract security service: 24 hr/day, 7 days/week
• Multiplex recording facilities with 9 camera portals

CONTACT INFORMATION
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