

Heath & Sherwood Recent Project List - Samplers

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Date Delivered	H&S Quote / Project No.	Customer /Consultant/ Project	Sampler Model	Description	Supplied By:
Oct 2004		Falconbridge / Kidd Metallurgical Complex	(1) Custom Designed Single Station SDM	slurry sample dewatering	H&S (1964) Ltd.
Sept 2004		Agrium / Kapuskasing Phosphate Operations	(1) TMC 12 w/ linatex lining		H&S (1964) Ltd.
Sept 2004		Barrick Gold / SNC Lavalin / Alto Chicama	Poppet Extractor Samplers (1) PEX 10 (1) PEX 16 (1) PEX 18	150 to 200 psi pipelines	
Sept 2004		Barrick Gold / SNC Lavalin / Alto Chicama	Belt Sampling Tower	Crushed Product Plant Feed	H&S (1964) Ltd.
August 2004		Inmet Mining / Troilus	(1) PPV 10 (1) 6100-05 Swirl Tank	Flotation Tails, 305 m ³ /h 45% solids	H&S (1964) Ltd.
August 2004		Bema Gold, Julietta Mine Russia	(3) Model LDLE Linear	Cyclone O/F, Tails + 1 spare sampler - replacing original Denver type samplers	H&S (1964) Ltd.
August 2004		Plata Pan Americana - Mexico	Model 1870	silver concentrate slurry	H&S (1964) Ltd.
August 2004		TMC Metals, China	Model 4720	duplicate circuit	H&S (1964) Ltd.

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July 2004		Agrium / Kapuskasing Phosphate Operations	TMC 06 Linatex Lining	Belt Filter Feed	H&S (1964) Ltd.
July 2004		Wabush Mines / Scully Mine / Labrador & Newfoundland	Custom Design Fixed Launder Cutter - Irathane Lining	Rougher Spiral Tails Sampler - Iron Ore	H&S (1964) Ltd.
July 2004		INCO / SNC Lavalin / Voisey's Bay	Various Continuous Pneumatic Linear & In-Line Samplers	Met Balance & Analyser Feed	H&S (1964) Ltd.
July 2004		TMC Metals, China	Model 4720	sampling shredded electrical components at recycling plant	H&S (1964) Ltd.
May 2004		Cameco / Rabbit Lake	TMC 10		H&S (1964) Ltd.
May 2004		Barrick Gold / SNC Lavalin / Veladero	(3) Poppet Extractor Samplers/PEX	150 psi pipeline	H&S (1964) Ltd.
May 2004		Newmont Carlin	PPV08/swirl tank/1850 Model 1870	Rougher/Scav Concentrate Final Concentrate	H&S (1964) Ltd.
April 2004		Fresnillo Zacatecas, Mexico	3620/4500 4500 w/ pushbutton	Lead Concentrate Zinc Concentrate replacement secondary (existing 3620 primary)	H&S (1964) Ltd.

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April 2004		Falconbridge / AMEC Montcalm Project	(3) Model 11616 Sample Diverters		H&S (1964) Ltd.
March 2004		Newmont Lonetree - Nevada, USA	TMC / 1850	Flotation Tails	H&S (1964) Ltd.
March 2004		Southern Peru Copper - Cujajone	Model 1335 "Niagara"	Flotation Feed to replace existing Model 1335 supplied in 1997	H&S (1964) Ltd.
February 2004		Texada Quarrying / British Columbia, Canada	(1) 42" ARM (1) 11705 Rotary Sample Collector	Limestone, 3" top size 500-2200 mtph 700 ft/min belt speed	H&S (1964) Ltd.
August 2003		INCO / Thompson / Manitoba, Canada	(1) PPV 06 (1) PPV 10		H&S (1964) Ltd.
2003		Cambior Gross Rosebel / Metchem - Suriname	Various slurry		H&S (1964) Ltd.
2003		Falconbridge / Strathcone Mill	(1) PPV 06 (1) six station Gang Sampler (3) slurry multiplexers		H&S (1964) Ltd.
2002		Lafarge Canada Inc./Meldrum Bay, On	three (3) ARM® Samplers	- 3/4" limestone	H & S (1964) Ltd.

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2002		Lafarge - Meldrum Bay	60" ARM, integrated feeder/secondary 12" ARM, riffle, rotary collector		H&S (1964) Ltd.
		CVRD - Itabira	(15) Slurry Sampling Systems		
11/02		CVRD - Alegria	8" TMC / 3720	Iron Ore Slurry	
10/02		CVRD - Vitoria	60" ARM	6000 mtph Iron Ore Pellets	
		Samarco - Ponta Ubu	(4) ARM's	Pellet Feed (3 x 48", 1 x 42")	
11/02		MBR -Capitao do Mato	(2) 48" ARM, 7m belt feeder, rotary divider	-35 mm iron ore	
11/02		MBR - Vargem Grande	48" ARM, 35m sample & reject conveyors, 2 m belt feeder, Model 4850 secondary	4000 mtph, -35mm iron ore	
		MBR - Vargem Grande	32" ARM	- 6mm iron ore	
2002		Codelco Chuquicamata - Chile	Model 1335 / 1330 with ICE / Model 4720 / Model 4710	Feed, concentrate & tails sampling	Delkor

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2002		Mantos Blancos - Chile	Sampling Tower w/ 1330 / 4810 / 4500S / feeders / custom head chute / rotary collector	15,000 tpd, minus 3/8" agglomerator feed	Delkor
2002		Atacama Kozan - Chile	M1130 / 4810 / 4500 / TMC & 1850	Concentrate & Tails slurry sampling, 5000 tpd plant	Delkor
10/02		Wabush Mines / Scully Mine / Labrador & Newfoundland	Custom Launder Cutters	Iron Ore Tailings	H&S (1964) Ltd.
07/02		Agnico Eagle / Cadillac, Quebec	(2) M1870 Diverters		H&S (1964) Ltd.
06/02		Iluka Resources / Stoney Creek, Virginia USA	M1850		H&S (1964) Ltd.
04/02		Placer Dome / Dome Mine / Timmins, Ontario	Model 1350 Rebuild ICE		H&S (1964) Ltd.
12/01		Newmont Gold Canada Golden Giant Mine	Model 3620 Arcual M6100-05 Swirl Tank Model 1850 Secondary	CIL Feed	H&S (1964) Ltd.
06/01	60299	Cosipa - Cubatão, Brazil	Two (2) 54" ARM® Samplers	minus 100mm coke, -50mm coal, - 50mm iron ore	H & S Brazil Ltda.

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06/01	90300	CVRD - São Luis, Brazil	Six (6) 40" ARM® Samplers Two (2) 55" ARM® Samplers One (1) 26" ARM® Sampler Two (2) 48" ARM® Samplers One (1) Two-Stage Riffle Divider Nine (9) Single-Stage Sample Collectors	Iron Ore Pellets	H & S Brazil Ltda.
05/01		Los Pelambras - Chile	PPV / 4710	Copper concentrate	Delkor
04/01		Singareni Collieries / India	(3) 1200mm ARM's (1) 1400mm ARM	200mm top size coal	Masyc Projects
04/01	6800	Noranda/Altonorte - Chile	One (1) 1130 w/ICE® One (1) Model 4810 One (1) Model 4710	Slag Flotation Plant - 75tph	Delkor South America
04/01	9883/59482	BHP Tintaya Oxides/Kvaerner Peru	Two (2) Model 3730/4500	Leach Feed/ CCD Tails	H & S (1964) Ltd.
04/01	9943/59439	Stillwater Mining - Montana, USA	One (1) Bulk Concentrate Sampler	Probe Sampling of Precious Metals Concentrate	H & S (1964) Ltd.

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03/01	0065/59135	Santa Luisa, Peru	One (1) Model 1330 One (1) 3-Stage Riffle	Mill Feed	H & S (1964) Ltd.
02/01	5900	El Tesoro - Chile	One (1) Model 1130 Sampler One (1) Model 1430 Sampler One (1) Model 4810 Sampler	Leach Feed - 1700tph	Delkor South America
12/00	6300	Sal Lobos - Iquique, Chile	One (1) ARM Sampler, feeder, One (1) Model 4810 Sampler	Salt (NaCl) - 1600tph	Delkor South America
11/00	20300	CVRD - Teoflandia, Brazil	One (1) Model 1130 Sampler One (1) Model 1330 Sampler	Gold Ore	H & S Brazil Ltda
11/00	Q9323/59208	AGRA Simons/Lac Des Iles Expansion Project	One (1) Model 4620 Sampler	Metallurgical Sampler	H & S (1964) Ltd.
10/00	Q9533/59243	Corporation Minière Inmet/Division Troilus	One (1) Model 5610-3600 PSA	Tailings Primary Sampler	H & S (1964) Ltd.
10/00	59343	Corporation Minière Inmet/Division Troilus	One (1) Model 5655-3300 TMC	Primary Sampler	H & S (1964) Ltd.

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09/00	/58992	Minera Bismark S.A. de C.V.	One (1) Model 1500 w/ICE®	Tails Primary Sampler	H & S (1964) Ltd.
09/00	Q9806-2/59294	Agnico Eagle Mines Limited/Laronde Division	One (1) Model 5655-3300 TMC	Secondary Cleaner-Scavenger Tails	H & S (1964) Ltd.
09/00	Q9806/59269	Agnico Eagle Mines Limited/Laronde Division	One (1) Model 1350w/ICE® One(1) Transition Reject	Mill Feed Sampler	H & S (1964) Ltd.
09/00	59094	P.T. Freeport Indonesia Co.	One (1) 11642 ARM Sampler One (1) 11701 Rotary Sample Divider	Primary Sampler Secondary Sampler	H & S (1964) Ltd.
08/00	Q9880/59151	Newmont Mining Corp	One (1) Model 3750 One (1) Model 4500	Flotation Rougher Feed Primary Flotation Rougher Feed Secondary	H & S (1964) Ltd.
08/00	90699	MBR - Belo Horizonte, Brazil	One (1) Sampling System w/ One (1) Model 1330 Sampler One (1) Model 1330 Sampler w/ Belt Feeder Three (3) Model 1330 One (1) Model 3730	Primary Sampler Secondary Sampler Lump Iron Ore, Sinter Feed, Pellet Feed - 16mm Iron Ore & Iron Ore Slurry	H & S Brazil Ltda.

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06/00	90599	CSN - Volta Redonda, Brazil	One (1) 30" ARM® Sampler Two (2) 42" ARM® Samplers One (1) 6-Pos'n Rotary Collector One (1) Belt Feeder One (1) 150-Litre Rotary Divider	Primary Samplers & Secondary Sampler for Iron Ore Sinter	H & S Brazil Ltda.
05/00	50399	MBR - Belo Horizonte, Brazil	One (1) Sampling Tower incl/ One (1) Model 1335 One (1) Model 1330 One (1) 480 Litre Rotary Divider Two (2) Belt Feeders	Primary 6000t/h, Secondary and Tertiary Sampling of Lump Iron Ore, Sinter Feed and Pellet Feed	H & S Brazil Ltda.
04/00	58922	Knelson Concentrators	One (1) Model 3720	Concentrator Module - Final Tails @ 150 usgpm	H & S (1964) Ltd.
04/00	58832	Inmet Corporation/Troilus	One (1) Model 11610 Five Station Sampling De-Watering Module (SDM)	Secondary Sampler Automatic De-watering	H & S (1964) Ltd.

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04/00	120199	Camargo Correa Cimentos - Pedro Leopoldo, Brazil	One (1) 24" ARM® Sampler	Limestone Sampler	H & S Brazil Ltda.
02/00	Q9504	Minera Mexicana La Cienega	One (1) Model 1100 w/ICE®	Pb Concentrate Primary Sampler	H & S (1964) Ltd.
01/00	5799	Codelco - Salvador	One (1) Model 1130 w/ICE®	Copper Concentrate - 100tph	
12/99	58638	Minera Mexicana La Cienega	One (1) Model 1350 w/ICE®	Heads Primary Sampler	H & S (1964) Ltd.
12/99	58702	Svedala Pumps & Process AB Sala, Sweden	One (1) Model 5610-3400	12" Pressure Pipe Sampler for Chador Malu Iron Modernization Project.	H & S (1964) Ltd.
11/99	58577	INCO Limited/Manitoba Division	One (1) Model 5200 Bar Sampler	Filter Cake Discharge Conveyor Sampling	H & S (1964) Ltd.
11/99	Q9292/58351	Minera Sabinas	One (1) Model 1850-3000 One (1) Model 5655-3300	- secondary for metallurgical samples - Auto Cleanse TMC feeds Cyclone Overflow sample to Outokumpu PSI-200	H & S (1964) Ltd.

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11/99	60199	CVRD - Itabira, Brazil	One (1) 0.9 ft. ³ Cutter One (1) Belt Feeder One (1) Model 4810	Primary and Secondary Sampling of Fine Iron Ore	H & S Brazil Ltda.
10/99	Q9089-1/58320	INCO Limited, Ontario Division/Matte Processing	One Low Grade Slope Pipe Sampler New Developmental Sampler.	- 6" nom connections - 30 TPH flow rate - 88 - 90% solids - 20 - 30% @ 65 mesh - 6.0 S.G. solids - 2.9 S.G. slurry - 6.85 ft/s slurry velocity	H & S (1964) Ltd.
10/99	Q9352-2	Barrick Holt-McDermott	Model 3640 Arcual Intermittent Vezin Sampler	- SAG Mill Discharge Sampling screen underflow - 1 mm particle size - 2.85 S.G. solids - 950 usgpm - 44% solids	H & S (1964) Ltd.

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10/99	Q9270/58369	Barrick Goldstrike/Carlin	One (1) Model 1330 One (1) ICE® One (1) Model 4500	- tails, 2000-6500 vsgpm, 30 - 38% solids - 3 - 16" i lines feeding ICE®, mounted above booster station collection tails	H & S (1964) Ltd.
10/99	Q9355/58577	INCO Thompson/Kvaerner	One (1) 5200 w/3 bars, all S.S.	- Filter Cake discharge	H & S (1964) Ltd.
10/99	Q9272-A-1/58550	Goldcorp	Two (2) Model 5600-3100 Three (3) Model 6100-3 Three (3) Model 1850-3000 Three (2) Model 1860-3000 One (1) Model 1870-3000		H & S (1964) Ltd.
10/99	Q8589/58233	Empire Iron Mining/Palmer, Michigan	One (1) Model 1430 w/ VFD 5 Stage Riffle	- 3/8" taconite pellets, Conveyors 37 & 39 Discharge chute, 500 - 6000 tph, 25 - 300 lb. primary increments	H & S (1964) Ltd.
09/99	Q9096/58124	INCO Limited/Manitoba Division	One (1) Model 4710 Continuous Vezin Sampler	Cyclone Overflow sampler (LM)	H & S (1964) Ltd.

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9/99	Q9288/58363	Southern Peru Copper/Fluor Daniel/Cuajone	One (1) 5655-4000 w/Integrated Diverter, Deliver Pump	Courier Analyser Feed	H & S (1964) Ltd.
09/99	Q9233/58273	Lafarge Canada Inc./Meldrum Bay, On	One (1) ARM™ Sampler (42")	- ¾" limestone - 360 ft/min belt speed - 230 tph flow rate	H & S (1964) Ltd.
06/99	Q9054, Q9094 & Q9094-1 /58129	INCO Limited/Clarabelle Mill	One (1) Model 5610-3200 One (1) Model 5610-3400 One (1) Model 5610-3700 One (1) Model 5610-3100 One (1) Model 5655-3700	- Scavenger Cleaner Feed - Unknown - Unknown - Scavenger Cleaner Tails - Primary Cu/Ni Tails - Courier Analyser Feed	H & S (1964) Ltd.
06/99	Q9136/58211	Agrium/SNC-Lavalin/Kapuskasing	One (1) Model 5610-3300-F One (1) Model 5610-3900-F One (1) Model 5610-3700-F Three (3) Model 1850	- Mill Feed - Final Tailings - Non-Magnetic Product - Secondaries to above	H & S (1964) Ltd.

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06/99	Q9028/58095	Minera La Cienega Mexicana	Model 1100 & ICE®	- Zinc Concentrate, 8" vertical pipe discharging at 40 usgpm, high froth, 0.54 l / increment, 5 min interval	H & S (1964) Ltd.
06/99	Q9014/57795	Cliffs Mining Co./Wabush Mines	One (1) Custom LSA cutters & discharge One (1) Model 1870	- Tailings Primary Sampler, 150 tph, S.G. 3.4, 20% solids - Tailings Secondary Sampler, 87 usgpm increment size	H & S (1964) Ltd.
06/99	57898	Cameco Corporation/Key Lake	Model 1130 & ICE® Feed Launder Model 4500 & 4-way Distributor		H & S (1964) Ltd.
06/99	Q9182/58232	Inco Limited - Matte Processing	One (1) Model 1100 w/12" Type "C" cutter	- Conveyor #157 Nickel Powder	H & S (1964) Ltd.
4/99	Q9086/58205	Raglan/Hatch Associates/Mine Katinniq	One (1) Custom Design Distributor	- Ni-Cu Concentrate Diverter	H & S (1964) Ltd.

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Recent Project List - Samplers**

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04/99	58121	Echo Bay Minerals	Model 1850	- Gravity Circuit concentrate sampling, 50-60 usgpm, 45% solids, 0.021 to 0.125 usgals increment size,	H & S (1964) Ltd.
02 /99	Q8534/57848	Kilborn/SNC Lavalin/Inco Gorro Nickel New Caledonia	Model 1840 Calibration Sampler c/w S.S. Swirl Tank	Integrated Pilot Plant, Sampling Points Pressure Leach Feed Leach Plant Discharge 2Rsample/hr	H & S (1964) Ltd.
02 /99	Q8601/57947	Noranda Inc./Fonderie Horne	Two (2) 8" & 10" nom. TMC™ samplers with Irathane lined cutter cap	(LM)	H & S (1964) Ltd.

Heath & Sherwood Recent Project List - Samplers

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01 /99	57864	Climax Molybdenum Company - Analyzer Feed Trial	Model 1330 w/1.5 HP Brakemotor, 18" Pelican AF Cutter LOGO controller ICE® w/Irathane Lining 14" Pipe to 36" launder transition	Rougher Feed #3, 3600 usgpm (975 m ³ /hr), continuous operation (approx. 20 strokes/min or 10.5 M strokes/year) to feed Courier Analyzer and secondary sampler for met balance, system replaces in-stream probe for reliability and representative sampling	H & S (1964) Ltd.
12/98	57629	Compañía Fresnillo S.A. de C.V.	Model 1350 ICE® Model 1100 ICE®	ICE® purchased to install samplers supplied on 07/98	H & S (1964) Ltd.
11/98	57627	Round Mountain Gold Corp.	Models 3740, 4710, 4500 Tertiary Sampling System w/ LOGO Control	Replaced Harrison Cooper system which was only 1 year old and undersized. 4000 usgpm @ 35% solids, Gravity Feed Stream, -28 mesh gold ore	H & S (1964) Ltd.
11/98	70298	Hispanobras - Vitória, Brazil	One (1) 48" ARM® Sampler	Iron Ore Pellets Sampler	H & S Brazil Ltda.
11/98	80398	Nibrasco - Vitória, Brazil	Two (2) 36" ARM® Samplers	Iron Ore Fines Samplers	H & S Brazil Ltda.

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11/98	90198	CVRD - Vitória, Brazil	Two (2) Model 3720 Samplers	Iron Ore Slurry Samplers	H & S Brazil Ltda.
11/98	90398	CVRD - Vitória, Brazil	One (1) Model PSA-0687 One (1) Model 1850	Primary and Secondary Samplers for Coal Slurry	H & S Brazil Ltda.
11/98	90698	CVRD - Vitória, Brazil	One (1) 24" ARM® Sampler	Iron Ore Fines Sampler	H & S Brazil Ltda.
11/98	90898	Itabasco - Vitória, Brazil	One (1) Model 3720 Sampler	Iron Ore Slurry Sampler	H & S Brazil Ltda.
11/98	90998	Hispanobras - Vitória, Brazil	One (1) Model 3720 Sampler	Iron Ore Slurry Sampler	H & S Brazil Ltda.
10/98	57580	Minera Mexicana La Cienega	4 x Model 4500 Sampler	Used as Tertiary Samplers on existing Float Feed, Lead Tails and Cyaniding Tails, and secondary on Lead Concentrate streams. Original Model 1100 & 1350 pneumatic primary/secondary samplers supplied by H & S in 1993	H & S (1964) Ltd.
09/98	8290/57498	Logistic Services/Southern Peru Copper/Cuajone	Model 1400 Sampler w/65" cutter travel for 42" belt	¾" Cu Ore Agglomerator Feed, 260 mtph, 4.5% moisture, 6.94 kg increment, 15 min intervals (35,000 strokes/year)	H & S (1964) Ltd.

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09/98	7070-1/57249	Gamma Metrics/Kudremukh	Models 5610-3200, 5610-3300 Samplers & Model 11674-2900, 11674-5000 Multiplexers		H & S (1964) Ltd.
08/98	7557-1/57434	Minera Capela/Cadereyta	2 x Model 4500 Secondary Sampler w/pushbutton motor starter control	Used with existing Model 1100 Primary Samplers on head (570 Rmin) and tails (480 Rmin) streams. Pv/Zn/Cu Concentrator	H & S (1964) Ltd.
08/98	8340/57627	Fluor Daniel/Newmont Batu Hijau Project, Indonesia	36" ARM™ w 4.0 kW motor 8 Station Rotar Collector, 25 kg capacity each cannister	Cu Concentrate Shipload Conv. 45-CV-001 1160mtph, 3.5 m/s belt speed, 6.9 kg increment mass, 30 degree cutting angle, 2.6 t/m ³ , 9% moisture	H & S (1964) Ltd.
08/98	8137-1/57426	Inco Limited/Copper Cliff	Model 5650-3100 Sampler		H & S (1964) Ltd.

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07/98	57251	Compania Fresnillo - Benefices de Jales Project	Model 1350 Heavy Duty Linear Sampler, c/w 18" Type D Analyzer Feed Cutter (AF) Model 4500 Secondary Sampler Model 1100, c/w 12" Type B-AF	Heads - 337m ³ /hr, 20mm cutter opening, 5 minute intervals, 10.0 Rincrement Ag Concentrate - 6.3 m ³ /hr, 50mm opening, 5 minute intervals, 0.5 Rincrement (M1100 @ 105,000 strokes/year)	H & S (1964) Ltd.
07/98		Compania Fresnillo - Benefices de Jales Project	Model 1350 Heavy Duty Linear Sampler, c/w 18" Type D Analyzer Feed Cutter (AF) Model 4500 Secondary Sampler ICE® w/transitioned bottom	Tails - 327 m ³ /hr, 30.3% solids, 20mm cutter opening, 5 minute intervals (105,000 strokes/year), 12.0 Rincrement	H & S (1964) Ltd.
07/98	7376	Samitri- Brazil	2-ARM™, 1-12"PSA, 1-M1850, 1-M1860,2-3730,2-3640,4-4500	Slurry and Bulk Material Sampling	H & S (1964) Ltd.

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06/98	7204	Kobrasco- Brazil	2- ARM™, 2-M1350, 1-2 stage riffle, 1-3 stage riffle, 1-12"PSA, 1-M1850, 3-3650, 3-4500,	Slurry and Bulk Material Sampling	H & S (1964) Ltd.
06/98	57453	Aur Resources Louvicourt Mine	Screen Underflow Pri./Sec Sampling System with Installation Module	Coarse material sampling	H & S (1964) Ltd.
06/98	8143/57287	Iron Ore Company of Canada/Labrador City	Model 5600-2900 Sampler		H & S (1964) Ltd.
06/98	8160/57627	Minera Alumbrera	Model 1330 Electric Primary w/18" AF Cutter, ICE®, Model 1860 Secondary	Final Concentrate - 720m ³ /hr, continuous operation (+2 M strokes/year) to feed analyser 100 Rmin, and secondary sampler for metallurgical balance.	H & S (1964) Ltd.
05/98	8259/57467	Mineraco Caraiba	Extra PSA's & LSA's	Analyzer Feed Projetc G-M, Autometrics	H & S (1964) Ltd.

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04/98	8065/57467	Mineracao Caraiba	Various PSA's & Launder Cutters Slurry samplers	Analyzer Feed Project:G-M, Autometrics	H & S (1964) Ltd.
04/98	57313	Noranda Mining & Exploration/Brunswick Mining & Smelting	1- Model 5860 Two (2) Position Multiplexer with 316 SS Head Tank	Install to feed Particle Size Analyzer	H & S (1964) Ltd.
04/98	57629	Compania Fresnillo	1-M1350 Heavy Duty Linear Sampler, c/w 18" Type D Analyzer Feed Cutter (AF) 1- M11000, c/w 12" Type B-AF	Installed to feed C-30 analyzer	H & S (1964) Ltd.
03/98	8073/57288	Agnico Eagle- Laronde Division	Various In-Line Primary Samplers c/w 1870 Secondary Special Two Pos. Diverters for Large Flows	Zinc Circuit Expansion	H & S (1964) Ltd.
03/98	7583/57205	P.T. Freeport Indonesia	4 - M1870 Secondary Sampler	Installed with H.R. Cooper Primary Sampler	H & S (1964) Ltd.

Heath & Sherwood Recent Project List - Samplers

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Date Delivered	H&S Quote / Project No.	Customer /Consultant/ Project	Sampler Model	Description	Supplied By:
02/98	57244	Kinross Gold, Timmins Division	1-M3620 Arcual Sampler c/w 0-1 1/2" adjustable mild steel cutter blades 1-M4500 Rotary Vezin		H & S (1964) Ltd.
01/98	7520/56860	Southern Peru Limited Cuajone 156K Expansion	1335 Niagara, 13'-0" cutter travel, 42" Pelican Cutter, 5Hp Motor Swirl Tank 4620 Secondary Reject return pump	Total Tails @ 26,340 m ³ /hr (116,000, 24" slurry depth. Complete enclosed piping and usgpm), 11'-0" wide launder hose arrangement from cutter to secondary sampler and sample pail (sample launder eliminated) Composite Shift Sampling	H & S (1964) Ltd.
01/98	7296/56872	Codelco, Chuquicamata Chile	Model 1330- Electric Drive Linear Sampler	Sampling for Pilot Plant leach bins.	H & S (1964) Ltd.
12/97	57,251.00	Compania Fresnillo-Zacatecas, Mexico	Model 1350 c/w ICE™, M-3620 Vezin, 4500 Vezin,	Flotation Tails Tertiary Slurry Sampling System - Analyser Feed & Composite Shift Sampling (similar system for feed shipped 7/96)	H & S (1964) Ltd.

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12/97	7070	Gamma-Metrics, Kudremukh, India	Various In-line samplers, plus secondary sampling equipment for on-stream analyser	Analyser Feed	H & S (1964) Ltd.
12/97	56870	Minera Tizapa, Mexico	1 - 1100 / 1850	Composite Shift Sample	H & S (1964) Ltd.
12/97	7252/56860	Southern Peru Limited Cuajone 96K Expansion	1335 Niagara, 42" Pelican Cutter, 10'-1 ^{0m} travel, 5Hp motor c.w Feed Box/ICE®/Distributor w/4 x 3 ^{0m} darts, 1860 Secondary	Cyclone Overflow @ 56,000 usgpm, 8' wide launder. Complete enclosed piping and hose arrangement from cutter to secondary sampler and sample pail. Composite Shift Sampling.	H & S (1964) Ltd.
12/97	7252/56860	Southern Peru Limited Cuajone 96K Expansion	2 x 1330 w/ICE® 2 x 4500 Secondary	CU Cone & CU/Mo Conc - installed at thickener feed	H & S (1964) Ltd.
12/97	56931	Fording Coal - Greenhills Operation, BC	1 - 14" LSA c/w- ½" Alumina Ceramic Tile Lining	Analyser Feed	H & S (1964) Ltd.
12/97	56865	Newmont - Batu Hijau Project (Indonesia), Fluor Daniel Denver	6 - PSA Samplers	Analyser Feed	H & S (1964) Ltd.

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12/97	7252/56860	Southern Peru Limited Cuajone 96K Expansion	LSA's TMC (Top Mounted LSA's) LSA Flow Diverters PSA's Sample Transfer Pumps	Analyzer Feed Samplers for Courier	H & S (1964) Ltd.
11/97	56815	Compania Fresnillo - Unidad El Monte, Mexico	7 - LSA Samplers	On-Stream Analyser Feed	H & S (1964) Ltd.
11/97		Iron Ore Company of Canada	Various In-Line Samplers with Sample pumps	Analyser Feed	H & S (1964) Ltd.
11/97	Q7134/40197- 2	Cerro Vanguardia (Minorco), Fluor Daniel Argentina	2 - Sampling Towers c/w ARM™ & 1350 Primary, rolls crushers, belt feeders, 4810 Secondary, collectors, reject bucket elevator, PLC, structural steel design and fabrication.	-12 mm Gold Ore for Mill Feed & Crushed Product Conveyors	H & S (1964) Ltd.

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11/97	56790	Falconbridge Raglan - Concentrate Handling, Quebec City, Canada	Concentrate Sampling System - Head Chute Adapter, Model 1430 Electric Drive Primary, Screw Feeder, 4810 Secondary, PLC, including Installation Module and associated chutes	Nickel Concentrate - Storage Bin Feed 1350 mtph, 100 mesh, 8-9% moisture	H & S (1964) Ltd.
9/97	56758	Agnico Eagle - Laronde Quebec	1-1350 Linear for Mill Feed c/w ICE™, 1870 Diverter, Reject Diverter, PSA, 6" LSA w/ Diverter & Level Probe	Copper Circuit Mill Feed, Scav., Rougher, Final Conc, Tails, Sec. Scavenger Samplers for Analyser Feed	H & S (1964) Ltd.
4/97		Noranda - Horne Conc. Quebec, MetChem	4 - 1350 w/ICE™ Various LSA/PSA c/w diverters	On-Stream Analyser feed	H & S (1964) Ltd.