

CIS CLEAN ROOM									
Manufacture date code is the last 3 digits of the s/n i.e. xxx-507 (5 = year 2005; 07 = 7th week of the year)									
ID TAG	LOCATION / EQUIPMENT	TARGET GAS	CELL TYPE	TYPE	SERIES	CELL P/N	NEW CELL	DATE INSTALLED	NOTES
D21	Implanter	BF3	HF		Analog	*9012-6500			FMK REMOVED; REMOVED IN TGO SYSTEM
D26	Rm. 106 Ambient	F2	F2	FMK	Analog	*9012-6400			POINT DISABLED
D27	L116 ASM EPI	HCl	HCl	FMK	Analog	9012-5800	11076324-902	28-30Jan09	
D28	L116 ASM EPI	NH3	NH3	FMK	Analog	9012-6704	11111414-848	28-30Jan09	
D29	L116 ASM EPI	WF6	HF	FMK	Analog	9012-6500	11098734-849	28-30Jan09	
D30	WBDIFF	HCl	HCl	FMK	Analog	9012-5800	11090461-902	28-30Jan09	
D33	PlasmaQuest	HCl	HCl	FMK	Analog	9012-5800	11076070-902	28-30Jan09	Sensor saddle in tool - Tool Owner Caesar okayed sensor replacement during operation.
D34	Lam	HBr	HBr	FMK	Analog	9012-7000	11123593-904	28-30Jan09	Sensor saddle in tool - Tool Owner Caesar wants the process paused during the sensor change.
D35	AMT 5000	HBr	HBr	FMK	Analog	9012-7000	11123557-902	28-30Jan09	
D36	AMT 5000	Cl2	Cl2	FMK	Analog	9012-5300	11109119-850	28-30Jan09	
D37	AMT 5000	HCl	HCl	FMK	Analog	9012-5800	11075982-902	28-30Jan09	
D38	AG4108	NH3	NH3	FMK	Analog	9012-6704	11111416-849	28-30Jan09	
MST 71	TEL	H2	H2	Satellite	Analog	9602-5101	39520-848	28-30Jan09	
MST 72	TEL	H2	H2	Satellite	Analog	9602-5101	39521-848	28-30Jan09	
MST 73	PLASMA QUEST 2 TOOL	H2	H2	Satellite	Analog	9602-5101	39537-848	28-30Jan09	
MST 74	PLASMA QUEST 2 AMB	H2	H2	Satellite	Analog	9602-5101	39531-848	28-30Jan09	
MST 75	PLASMA QUEST 2 AMB	CL2	CL2	Satellite	Analog	9602-5300	41424-850	28-30Jan09	
MST 76	PLASMA QUEST 2 TOOL	CL2	CL2	Satellite	Analog	9602-5300	41461-850	28-30Jan09	
MST 77	PLASMA QUEST 2 AMB	HCL	HCL	Satellite	Analog	9602-5800	40749-850	28-30Jan09	
MST 78	PLASMA QUEST 2 TOOL	HCL	HCL	Satellite	Analog	9602-5800	39443-848	28-30Jan09	
SERVICE ISLE									
D20	Tylan # 2	HCl	HCl	FMK	Analog	9012-5800	11037765-902	28-30Jan09	
D31	Service Isle Ambient	NH3	NH3	FMK	Analog	9012-6704	11111520-849	28-30Jan09	
D32	Service Isle Ambient	HCl	HCl	FMK	Analog	9012-5800	11123559-902	28-30Jan09	
D39	THERMCO K FACTOR 1.24 FOR H2	H2	LEL	Satellite	Analog	9602-9900	42311-851	28-30Jan09	MODIFY K FACTOR TO 0.87 FOR H2 during sensor change. Replace annually in September. If not zero then perform zero calibration.
D40	Tylan K FACTOR 1.24 FOR H2	H2	LEL	Satellite	Analog	9602-9900	42310-851	28-30Jan09	MODIFY K FACTOR TO 0.87 FOR H2 during sensor change. Replace annually in September. If not zero then perform zero calibration.
D41	THERMCO	HCl	HCl	Satellite	Analog	9602-5800	42378-851	28-30Jan09	
MST 69	EPI 2 Exhaust Duct	HCl	HCl	Satellite	Analog	9602-5800	40715-850	28-30Jan09	
MST 70	EPI 2 Exhaust Duct	H2	H2	Satellite	Analog	9602-5101	39553-848	28-30Jan09	

CIS BASEMENT									
ID TAG	LOCATION / EQUIPMENT	TARGET GAS	SENSOR TYPE	TYPE	SERIES	CELL P/N	NEW CELL		NOTES
D22	Cabinet 14	SiCl4	HCl	FMK	Analog	9012-5800	11076104-902	28-30Jan09	
D24	Cabinet 47	WF6	HF	FMK	Analog	*9012-6500			POINT DISABLED
MST 54	Ambient	O2	O2	Satellite	Digital	9602-5500	47724-907	10-Mar-2009	
MST 55	Ambient-Freight Elevator	O2	O2	Satellite	Digital	9602-5500	46756-907	10-Mar-2009	
MST 56	Ambient	O2	O2	Satellite	Digital	9602-5500	46754-907	10-Mar-2009	
MST 57	Ambient Above-Freight Elevator	H2	H2	FMK	Analog	9012-5101	11117060-903	28030Jan09	
MST 58	Ambient Above-Column E5	H2	H2	FMK	Analog	9012-5101	11117057-903	28-30Jan09	
MST 59	Piping Rack	H2	H2	FMK	Analog	9012-5101	11084464-903	28-30Jan09	
MST 61	Ambient Above-Column G6	H2	H2	FMK	Analog	9012-5101	11086328-848	28-30Jan09	
MST 62	Substation-Column F5	H2	H2	FMK	Analog	9012-5101	11084720-903	28-30Jan09	
MST 64	Column	H2	H2	FMK	Analog	9012-5101	11086260-848	28-30Jan09	
MST 68		HCL	HCL	Satellite	Analog	9602-5800	40763-850	28-30Jan09	

CIS INTERSTITIAL									
ID TAG	LOCATION / EQUIPMENT	TARGET GAS	SENSOR TYPE	TYPE	SERIES	CELL P/N	NEW CELL	DATE INSTALLED	NOTES
MST 60	227A	H2	H2	FMK	Analog	9012-5101	11117059-903	28-30Jan09	
MST 63	EPI Scrubber Room	H2	H2	FMK	Analog	9012-5101	11096679-903	28-30Jan09	

CISX									
ID TAG	LOCATION / EQUIPMENT	TARGET GAS	SENSOR TYPE	TYPE	SERIES	CELL P/N	NEW CELL	DATE INSTALLED	NOTES
MST 47	B 107X	O2	SAT	Satellite	Digital	9602-5500	47650-907	10-Mar-2009	
MST 48	B 105X	O2	SAT	Satellite	Digital	9602-5500	47725-907	10-Mar-2009	
MST 49	B 106X	O2	SAT	Satellite	Digital	9602-5500	46752-907	10-Mar-2009	
MST 50	B 108X	O2	SAT	Satellite	Digital	9602-5500	46755-907	10-Mar-2009	
MST 10	113X	HF	HF	FMK	Analog	9012-6500	11098735-849	28-30Jan09	
MST 14	113X	BCL3	HCL	FMK	Analog	9012-5800	11076244-902	28-30Jan09	
MST 18	113X	NH3	NH3	FMK	Analog	9012-6704	11111525-849	28-30Jan09	
MST 35	113X HOOD	H2	H2	FMK	Analog	9012-5101	11084705-903	28-30Jan09	
MST 44	113X	O2	SAT	Satellite	Digital	9602-5500	46745-907	10-Mar-2009	
MST 09	110X	HCl	HCl	FMK	Analog	9012-5800	11123594-904	28-30Jan09	
MST 29	110X Ambient	AsH3	AsH3	FMK	Analog	*9012-6000		28-30Jan09	POINT DISABLED
MST 30	110X Ambient	B2H6	B2H6	FMK	Analog	9012-6200	11110792-901	28-30Jan09	
MST 31	110X Ambient	GeH4	SAT	Satellite	Analog	9602-6900	40390-849	28-30Jan09	
MST 32	110X Ambient	PH3	PH3	FMK	Analog	9012-6100	11117650-902	28-30Jan09	
MST 36	110X	H2	H2	FMK	Analog	9012-5101	111117054-903	28-30Jan09	
MST 39	110X	H2	H2	FMK	Analog	9012-5101	11071719-850	28-30Jan09	
MST 43	110X	O2	SAT	Satellite	Digital	9602-5500	46757-907	10-Mar-2009	
MST 11	121X Ambient	HCl	HCl	FMK	Analog	9012-5800	11123558-902	28-30Jan09	
MST 41	122X	O2	SAT	Satellite	Digital	9602-5500	47723-907	10-Mar-2009	28Jan09 swapped with MST42 sensor; sensor began drifting; the problem followed the sensor. Sensor was drifting up and down after new install, 10Mar09, wrapped foil around the Satellite and symptoms went away.
MST 42	121X	O2	SAT	Satellite	Digital	9602-5500	46758-907	10-Mar-2009	
MST 51	122X Ambient	NH3	NH3	FMK	Analog	*9012-6704			POINT DISABLED
MST 52	120X	NH3	NH3	FMK	Analog	*9012-6704			POINT DISABLED
MST 38	213X	H2	H2	FMK	Analog	9012-5101	11084713-848	28-30Jan09	
MST 45	213X	O2	SAT	Satellite	Digital	9602-5500	46751-907	10-Mar-2009	
MST 46	217X	O2	SAT	Satellite	Digital	9602-5500	46658-906	10-Mar-2009	
MST 65	213X	O2	SAT	Satellite	Digital	9602-5500	46749-907	10-Mar-2009	
MST 66	213X -Tool	BF3	SAT	FMK	Analog	*9602-6500			POINT DISABLED
MST 67	213X - Ambient	BF3	SAT	FMK	Analog	*9602-6500			POINT DISABLED

GAS VAULT 115X									
ID TAG	LOCATION / EQUIPMENT	TARGET GAS	SENSOR TYPE	TYPE	SERIES	CELL P/N	NEW CELL	DATE INSTALLED	NOTES
MST 1	C 8	SiH2Cl2	HCl	Satellite	Digital	9602-5800	40757-850	28-30Jan09	
MST 2	C 46	SiH2Cl2	HCl	Satellite	Digital	9602-5800	40767-850	28-30Jan09	
MST 3	C 48	SiH2Cl2	HCl	Satellite	Digital	9602-5800	40750-850	28-30Jan09	
MST 15	C 9	NH3	NH3	Satellite	Digital	9602-6704	41024-849	28-30Jan09	
MST 16	C 43	NH3	NH3	Satellite	Digital	9602-6704	40999-849	28-30Jan09	
MST 17	C 54B	NH3	NH3	Satellite	Analog	9602-6704	41004-849	28-30Jan09	
MST 19	C 51	B2H6	B2H6	Satellite	Analog	9602-6200	42550-851	28-30Jan09	
MST 20	C 53A	PH3	PH3	Satellite	Digital	9602-6101	43053-852	28-30Jan09	
MST 21	C 53B	B2H6	B2H6	Satellite	Analog	9602-6200	40659-850	28-30Jan09	
MST 22	C 59	GeH4	GeH4	Satellite	Analog	9602-6900	43605-852	28-30Jan09	
MST 23	C12-B	GeH4	GeH4	Satellite	Analog	9602-6900	39002-847	28-30Jan09	
MST 24	C12-A	AsH3	AsH3	Satellite	Digital	9602-6001	41767-850	28-30Jan09	
MST 25	C-3	PH3	PH3	Satellite	Digital	9602-6101	42626-851	28-30Jan09	
MST 26	C 30	GeH4	GeH4	Satellite	Analog	9602-6900	44156-902	28-30Jan09	
MST 27	C31-A	B2H6	B2H6	Satellite	Analog	9602-6200	42554-851	28-30Jan09	
MST 28	C-13	PH3	PH3	Satellite	Digital	9602-6101	43052-852	28-30Jan09	
MST 40	Corridor	O2	O2	Satellite	Analog	9602-5500	46741-907	10-Mar-2009	

GAS VAULT 116									
ID TAG	LOCATION / EQUIPMENT	TARGET GAS	SENSOR TYPE	TYPE	SERIES	CELL P/N	NEW CELL	DATE INSTALLED	NOTES
MST 53	C 10B	HBr	HBr	FMK	Analog	9012-7000	11123556-902	28-30Jan09	Replaced span pot
MST 4	C 39	HCl	HCl	Satellite	Analog	9602-5800	42390-851	28-30Jan09	
MST 5	AMBIENT	HF	HF	Satellite	Analog	*9602-6500	12185-815	22-Apr-2008	Sensor cell cancelled per Ted Berg 7Aug08 - Label not-in-service, leave in maintenance mode, and ask Ted by bypass during sensor service.
MST 6	C 60	HCl	HCl	Satellite	Analog	9602-5800	40776-850	28-30Jan09	
MST 7	C 62	BCl3 (HCL Sensor)	BCl3 (HCL Sensor)	Satellite	Analog	9602-5800	42382-851	28-30Jan09	
MST 8	C 2	HCL	HCL	FMK	Analog	9012-5800	11067862-902	28-30Jan09	
MST 12	C 10A	Cl2	Cl2 10ppm	FMK	Analog	9012-5300	11109113-850	28-30Jan09	Bad zero pot
MST 13	C 58B	BCl3	HCL	Satellite	Analog	9602-5800	42360-851	28-30Jan09	

MK Sensor P/	GAS	QUANTITY	SAT P/N	GAS	QUANTITY
9012-5300	Cl2	2	9602-5800	HCl	12
9012-6200	B2H6	1	9602-6101	PH3	3
9012-7000	HBr	3	9602-9900	LEL	2
9012-5101	H2	12	9602-6900	GeH4	4
9012-6500	HF	2	9602-6704	NH3	3
9012-6100	PH3	1	9602-6500	HF	
9012-6704	NH3	4	9602-6200	B2H6	3
9012-5800	HCl	11	9602-5101	H2	5
			9602-5500	O2	15
			9602-5300	CL2	2
			9602-6001	AsH3	1
CIS Total Sensor					86
McCullough TL Sensors					0
GRAND TOTAL					86

O2 9602-5500 REPLACED ANNUALLY in March

CH4 9602-9900 REPLACED ANNUALLY in September

See McCullough worksheet for individual sensor count.

January 2009 sensor order placed 9 Dec 08. Quantity in bold, total 71 sensors.

Recent Changes:
 4/22/08 9012-5300 CL2 -1 MST 14 - Sensor type changed
 4/22/08 9012-5800 HCL +1 MST 14 - Sensor type changed