

Hydro Modernization Operating Discipline: Master Procedure Update Document Management of Change Major Procedures Revision Status

Revision # 9 April 22, 1997

Revised by : Kevin Kelley

Document Name	#	EDMS Long file name	Procedure Description	Duplicate?	Procedure	IPT	Revised	Sponsor	Status	Needs for this procedure	1st approval	2nd approval
Basic Oper Recertification test	1	Basic operators recertification test	Operator Recertification Test		x			Dugas	check	Donnie & Rizzo decide what to do with this		
BasicEngineersRecertTest	2	Basic Engineers Recertification Test	Engineer Recertification Test		x			Kelley	complete	No changes	KJK	JVH
BasicRecertWrittenTest	3	NOT FOUND!!!	Basic Recertification Test		x			Dugas	check	Donnie & Rizzo decide what to do with this		
C200ans	4	DELETED PROCEDURE	C200 module answers		x				complete	Delete NOW	KJK	ORD
C200mod	5	DELETED PROCEDURE	C200 module		x				complete	Delete NOW	KJK	ORD
C200tat	6	DELETED PROCEDURE	C200 test		x				complete	Delete NOW	KJK	ORD
C202mod	7	C-202 MODULE	C202 Module		x				complete	sent to rizzo for change	DM	KJK
C202tat	8	C-202 Test Questions	C202 test		x				complete	sent to rizzo for change	DM	KJK
C210ans	9	C-210 TEST ANSWERS	C210 answers		x				complete	sent to rizzo for change	DM	KJK
C210mod	10	C-210 IPT MODULE	C210 module		x				complete	sent to rizzo for change	DM	KJK
C210tat	11	C-210 IPT TEST	C210 test		x				complete	sent to rizzo for change	DM	KJK
C600gen	12	C-600 General Resource Information	C600 general resource	x	x			Kelley	complete	add in desuperheater info	DM	KJK
C600mod	13	C-600 System Module	C600 module	x	x				complete	sent to rizzo for change	DM	KJK
C600tat	14	C-600 Problem Solving & Trouble Shooting	C600 trouble shooting guide		x				complete	sent to rizzo for change	DM	KJK
C600tat	15	C-600 IPT TEST	C600 test	x	x			Kelley	complete	add in desuperheater info	DM	KJK
C650mod	16	C-650 MODULE	C650 module		x				complete	sent to rizzo for change	DM	KJK
C650tat	17	C-650 IPT TEST	C650 test		x				complete	sent to rizzo for change	DM	KJK
E600gen	18	E-600 General Information	E600 general resource		x				complete	No changes	KJK	DG
E610-2OFBY	19	Taking E-610-2 Off of Bypass	How to take E610-2 off of bypass		x				complete	sent to rizzo for change	DM	KJK
Electans	20	Electrical IPT Module Answers	Electrical module answers		x			Matrejean	complete	revise	SHB	DJM
Electmod	21	Electrical IPT Module	Electrical module		x			Matrejean	complete	revise	SHB	DJM
Electtat	22	Electrical IPT Module Test	Electrical Test		x			Matrejean	complete	revise	SHB	DJM
K55ans	23	K-55 IPT Module Test Answers	K55 answers		x				complete	No changes	DM	KJK
K55mod	24	K-55 IPT Module	K55 module		x				complete	No changes	DM	KJK
K55tat	25	K-55 IPT Module Test	K55 test		x				complete	No changes	DM	KJK
Operator Recertification	26	NOT FOUND!!!	Operator Recertification Test		x			Dugas	complete	Donnie & Rizzo decide what to do with this		
R250ans	27	R-250 IPT MODULE TEST ANSWERS	R250 answers		x			Gravouille	complete	Update	DG	KJK
R250MCON	28	DELETED PROCEDURE	R250 modcon info	x	x				complete	Delete after 2nd shutdown	KJK	ORD
R250mod	29	R-250 IPT MODULE	R250 module		x			Gravouille	complete	Update	DG	KJK
R250tat	30	R-250 IPT MODULE TEST	R250 test		x			Gravouille	complete	Update	DG	KJK
Rechemgen	31	Reactive Chemical Program Information	Reactive chemicals general resource	x	x				complete	sent to rizzo for change	DG	KJK
480V Switchgear Location	32	480V Switchgear Location			x			Matrejean	complete	Update	SHB	DJM
C-200 General Information	33	DELETED PROCEDURE			x				complete	Delete NOW	KJK	ORD
C-201 General Information	34	DELETED PROCEDURE			x				complete	Delete after 2nd shutdown	KJK	ORD
C-202 General Information	35	C-202 General Information			x				complete	No changes	DG	KJK
C-202 Problem Solving & Trouble Shoot	36	C-202 Problem Solving & Trouble shoot			x				complete	sent to rizzo for change	DG	KJK
C-210 General Information	37	C-210 General Information			x				complete	sent to rizzo for change	DG	KJK
C600gen	38	DELETED PROCEDURE	C600 general resource	x	x				complete	DELETE - DUPLICATE	KJK	ORD
C600mod	39	DELETED PROCEDURE	C600 module	x	x				complete	DELETE - DUPLICATE	KJK	ORD
C600tat	40	DELETED PROCEDURE	C600 general resource		x				complete	DELETE - NOT NEEDED	KJK	ORD
C600tat	41	DELETED PROCEDURE	C600 trouble shooting guide	x	x				complete	DELETE - DUPLICATE	KJK	ORD
C600tat	42	DELETED PROCEDURE	C600 test	x	x				complete	DELETE - DUPLICATE	KJK	ORD
Chlorinated Methanes Electrical Systems	43	Chlorinated methane electrical systems			x			Matrejean	major	Update		
CMP Instrumentation List	44	DELETED PROCEDURE			x				complete	DELETE - NOT NEEDED	KJK	ORD
E-240 A&B-The HCl Superheaters	45	Same			x				complete	sent to rizzo for change	DG	KJK
E-245 A&B-The Methanol Superheaters	46	Same			x				complete	sent to rizzo for change	DG	KJK
E254gen	47	DELETED PROCEDURE	Old E254 info		x				complete	DELETE - NOT NEEDED	KJK	ORD
E-256 Initial Methanol Heater	48	Same			x				complete	sent to rizzo for change	DG	KJK
E-260 - D M E. Exchanger	49	E-260-D.M.E. Exchanger			x				complete	sent to rizzo for change	DG	KJK
E-301 & 302 Quench Column Reflux Exch	50	Same			x				complete	sent to rizzo for change	DG	KJK
Electrical Circuit Breakers	51	CANT OPEN			x				???????	COULD NOT OPEN THIS PROCEDURE!!	KJK	ORD

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DO 008292

Hydro Modernization Pressure Vessel Record Information

Last Update: KJ Kelley 5/13/97

Relief Devices

Tag Number	IBM #	Location	Docs complete?	Paperwork to valve shop	Paperwork to Vessel Records	Date Complete in field	Other Notes
(Note that the PSV-C1200 valves are interchangeable. Any may be used in service. They are the same.)							
PSV-C1200A	809937	C-1200A	KJK 5-12	5-13			Rename PSV-C200A & New set pressure = 150 psig
PSV-C1200B	809938	C-1200A	KJK 5-12				Rename PSV-C200B & New set pressure = 150 psig
PSV-C1200C	809939	C-1200B	KJK 5-12				Rename PSV-C200C & New set pressure = 150 psig
PSV-C1200D	812505	C-1200B	KJK 5-12	5-13 (DG)	5-13 (KK)		Rename PSV-C200D & New set pressure = 150 psig
PSV-C1200E	809940	Shelf Spare	KJK 5-12				Rename PSV-C201A & New set pressure = 150 psig
PSV-C1200F	809941	Shelf Spare	KJK 5-12				Rename PSV-C201B & New set pressure = 150 psig
PSV-C1200G	809942	Shelf Spare	KJK 5-12				Rename PSV-C201C & New set pressure = 150 psig
PSV-C1200H	812506	Shelf Spare	KJK 5-12				Rename PSV-C201D & New set pressure = 150 psig
PSV-E241	815279	E-241	KJK 5-12	5-13 (DG)	5-13 (KK)		New PSV for E-241 Hot oil side
PSV-856A	803920	R-250A	KJK 5-12				New Springs to change set pressure to 139 psig
PSV-856B	803919	R-250A	KJK 5-12				New Springs to change set pressure to 139 psig
PSV-857A	803982	R-250B	KJK 5-12				New Springs to change set pressure to 139 psig
PSV-857B	803983	R-250B	KJK 5-12				New Springs to change set pressure to 139 psig
PRD-856A	813968	R-250A	KJK 5-12				New Rupture discs replace old ones. New P = 139 psig
PRD-856B	813969	R-250A	KJK 5-12				New Rupture discs replace old ones. New P = 139 psig
PRD-857A	813970	R-250B	KJK 5-12				New Rupture discs replace old ones. New P = 139 psig
PRD-857B	813971	R-250B	KJK 5-12				New Rupture discs replace old ones. New P = 139 psig

Pressure Vessels

Tag Number	VIN#	Description	Docs complete?	Paperwork to Vessel Records	Other Notes
C-1200A	100680	PTFE lined quench column			New Vessel. No internal requirements since item is lined steel
C-1200B	100681	PTFE lined quench column			New Vessel. No internal requirements since item is lined steel
E-241	303957	HCl/Hot oil exchanger			New Exchanger.
R-250A	200111	Hydrochlorination Reactor			Existing reactor. Pressure rerate to increase MAWP to 139 psig
R-250B	200113	Hydrochlorination Reactor			Existing reactor. Pressure rerate to increase MAWP to 139 psig
E-1200A	303955	Quench Recycle Cooler			New Exchanger. Graphite block exchanger, no internal required
E-1200B	303956	Quench Recycle Cooler			New Exchanger. Graphite block exchanger, no internal required
E-301	301919	Quench Recycle Cooler			Existing exchanger. Modifications to shell and heads
E-302	301920	Quench Recycle Cooler			Existing exchanger. Modifications to shell and heads
E-301-3	303110	Quench Recycle Cooler			Existing exchanger. Modifications to shell
C-200	100201	Brick lined quench column			Out of service 6/97
C-201	100202	Brick lined quench column			Out of service 6/97

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Hydromodernization Instrument Information

Revision K: 5/6/97

A1-INRF-940663

SHUTDOWN INFORMATION

Loop #	Old #	P&ID#	Mod5	Description	New	Exist	Pre	SD1	SD2	TDC	PLC	Special Concerns	Rev #
24001	na	B1-240	AI497	E-241 outlet HCl temp	x		x					Thermocouple	
24002	na	B1-240	AI410	HCl flow to C-1200A	x		x						
24003	na	B1-240	AI430	HCl flow to C-1200B	x		x						
24004	na	B1-240	AO410	HCl to C1200A c/v	x		x						
24005	na	B1-240	AO430	HCl to C1200B c/v	x		x						
24006	na	B1-240	FRC-24006	E-241 oil flow xmtr & c/v	x		x					NOTE: TDC-2000 Loop	
24007	na	B1-240	TI-24007	E-241 outlet oil temp	x		x					NOTE: TDC-2000 Loop	
24701	1385	B1-247	AI307	E-260 level		x			x	x	x	Reuse level xmtr	
24702	1384	B1-247	AI306	E-260 pressure		x			x	x	x	reuse p. xmtr	
24703	1385	B1-247	AO307	DME to E-260 level c/v		x			x	x	x	reuse control valve & I/P	
24704	1383	B1-247	AO302	E-260 vent flow c/v		x			x	x	x	reuse control valve & I/P	
24705	1383	B1-247	AI302	E-260 vent flow		x			x	x	x	reuse flow xmtr	
24706	1384	B1-247	AO306	Steam to E-260 press c/v		x			x	x	x	reuse control valve & I/P	
24707	1387	B1-247	DO306	Steam to E-260 AOV		x			x		x	reuse AOV. Install new ZSC	
24708	na	B1-247	DO307	HOA for P-264	x				x			New HOA for existing pump. S/S from Mod5	
24709	na	B1-247	DI387	HOA for P-264	x				x			New HOA for existing pump. S/S from Mod5	
25201	6050	B1-252	AI401	HCl flow to R-250A		x		x		x	x		
25202	6064	B1-252	AI 351	HCl to E-240A temp		x		x		x		transmitter	
25203	6050	B1-252	AO401	HCl to R-250A flow c/v		x		x		x	x	Check loop # on P&ID - it is written as 25303	
25204	6051	B1-252	AI468	HCl from E240A temp		x		x		x		Changed to AI 468	L
25205	6052	B1-252	AI421	HCl flow to R-250B		x			x	x	x		
25206	6063	B1-252	AI381	HCl to E-240B temp		x			x	x		transmitter	
25207	6052	B1-252	AO421	HCl to R-250B flow c/v		x			x	x	x		
25208	6067	B1-252	AI308	HCl heat up flow		x		x		x	x		
25209	6087	B1-252	AO308	HCl heat up flow c/v		x		x		x	x		
25210	6053	B1-252	AI498	HCl from E-240B temp		x			x	x		I/c	
25211	6056	B1-252	AI414	HCl to R-250A pressure		x		x		x			
25212	6057	B1-252	AI434	HCl to R-250B pressure		x			x	x			
25307	6108	B1-253	DO304/14	Steam to E-256 AOV		x		x			x	Includes DA387/487 & DA388/488 hardware aborts	L
25308	6104	B1-253	AI343	MeOH to E-256 flow		x		x		x			

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