TEST APPROVED BY	DATE	CHANGE RELEASE AUTHORITY	DATE

D-658

STRATEGIC PETROLEUM RESERVE

WR #

ENGINEERING CHANGE PROPOSAL
SUMMARY SHEET
CLASS I CHANGE

ECP NUMBER	TITLE
SJ-M/O-4617	Sugarland Barge Loading Connection – Install Double Block Bleed Valve

BUDGET SOURCE

- ☐ SPR BLI
- ☐ CONTRACTOR BASELINE
- ☐ BCR
- ☒ OTHER

AUTHORITY

☒ PCCB ☐ ECC

SCHEDULE

- ☐ YES
  - MILESTONE NUMBER
  - CMCR NUMBER
- ☒ NO

TOTAL ESTIMATED COST OF CHANGE

	FY 00	FY	FY
DESIGN	—	—	—
CONSTRUCTION/M&O	$60M	—	—
TOTAL	$60M	—	—

PCCB / ECC SIGNATURES	DISPOSITION: CONCUR	DISPOSITION: NON-CONCUR	DISPOSITION: DATE	COMMENTS CONDITIONS / LIMITATIONS
DOE SENIOR SITE OFFICIAL				
APM TECHNICAL ASSURANCE	✓		11/1/00	
APM SYSTEMS AND PROJECTS	✓		11/1/00	
APM MAINTENANCE AND OPERATIONS	✓		11/1/00	
DEPUTY PROJECT MANAGER				
DOE CMO				
PROJECT MANAGER				
DEPUTY ASSISTANT SECRETARY -SPR				

PCCB / ECC ACTION

STRATEGIC PETROLEUM RESERVE WR

ENGINEERING CHANGE PROPOSAL

ECP NUMBER	ECP TITLE	PAGE 1 OF
SJ-M/O-4617	**Sugarland Barge Loading Connection**	

CONTRACTOR CHANGE NO./REV.	INITIATED BY	DATE	SUBMITTED BY	DATE
	Jill Derise	**10/20/00**	**Jill Derise**	**10/20/00**
	ORG./CONTRACTOR	PHONE NO.	ORG./CONTRACTOR	PHONE NO.
	Equilon Pipeline LLC	**5047287366**	**Equilon Pipeline LLC**	**5047287366**

PRIORITY
- ☐ EMERGENCY
- ☒ URGENT
- ☐ ROUTINE

VALUE ENGINEERING	DRAWDOWN CRITICAL	ROM ESTIMATE
☐ VEP (MANDATORY)	☐ YES	**$ 60,000.**
☐ VECP (VOLUNTARY)	☐ NO	

DESCRIPTION:

PROBLEM / EXISTING CONFIGURATION **In the current Sugarland piping configuration, barges can only be loaded using meters through a line up that uses much of the terminal piping. While barges are being loaded, no other metered movements can be made. Upcoming business in November, 2000 will require loading barges and making movements from Redstick to Capline at the same time.**

PROPOSED SOLUTION / ENHANCEMENT **The proposed solution is to install a new connection from the outlet side of the Weeks Island meter skid to the existing 20" barge line. A new double block and bleed valve will be installed in the connection.**

REASON / JUSTIFICATION **The connection is required to meet customer commitments. The option of loading barges without using the meters was evaluated, but was deemed undesirable due to the high potential for mis-measurement of deliveries.**

CI'S AFFECTED

TECHNCIAL ANALYSIS/RECOMMENDATION

IMPLEMENTATION METHOD
- ☐ SUBCONTRACT
- ☐ M&O LABOR (LOE)
- ☐ COMBINATION

ENGINEERING	DATE	DOE SSR	DATE	
Jill E. Derise Jill E. Derise	**10/20/00** 10/20/00	Robert J. Rabalais	10/31/00	☑ CONCUR ☐ NONCONCUR

D-655

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STRATEGIC PETROLEUM RESERVE
ENGINEERING CHANGE PROPOSAL,
CONFIGURATION CHANGE AFFECTED REPORT .

WR #

TO BE COMPLETED BY TECHNICAL REVIEW PROCESS, ENGINEERING AND CONFIGURATION MANAGEMENT ORGANIZATION DEFINED PROCESS

ECP NO.	CONTRACTOR CHANGE NO.	REV.	CHANGE CLASSIFICATION
SJ-M10-4617			☒ CLASS I ☐ CLASS II PAGE 2 OF

FUNCTIONS AFFECTED		DOCUMENTS AFFECTED	
YES/NO	ITEM	YES/NO	ITEM
YES	LEVEL I ☒ LEVEL II ☐ CRITERIA		ELECTRICAL (cont'd)
NONO	PERFORMANCE CRITERIA	NONO	315 - CATHODIC PROTECTION
NONO	RAM	NONO	350 - STANDARDS
NONO	INTERFACE CHARCTERISTICS		INSTRUMENTATION
NONO	I/O POINTS	NONO	401 - BLOCK DIAGRAM
NONO	DOE LEVEL I, II, III SCHEDULES	NONO	402 - LOOP DIAGRAMS
NONO	GUARANTEES/DELIVERABLES	NONO	403 - INSTRUMENT PLANS
NONO	SAFETY/ENV/FP (CIRCLE ONE)	NONO	404 - INSTRUMENT WIRING DIAGRAM
NONO	SECURITY REQUIREMENTS	NONO	409 - INSTRUMENT INDEX
NONO	OPCS SOFTWARE	NONO	450 - STANDARDS
NONO	OPCS HARDWARE		PIPELINE
NONO	OPCS FIRMWARE	NONO	501 - ALIGNMENT SHEETS
NONO	SETPOINTS/RANGES	NONO	509 - PIPELINE DRWGS (MAINLINE VALVES, DRIPS, SCRAPER, TRAPS, ETC.)
NONO	DIP SWITCH SETTINGS/JUMPERS	NONO	550 - STANDARDS
NONO	MASTER CI LIST		ARCHITECTUAL
NONO	WELLHEAD CONFIGURATION	NONO	720 - ELEVATIONS AND FLOOR PLANS
NONO	SPARES/ROVISIONING REQUIREMENTS	NONO	750 - STANDARDS
NONO	GOVERNMENT FURNISHED EQUIPMENT		DOCUMENTATION
NONO	ENERGY USAGE	NONO	900 - RESERVED
NONO	OPERATIONS MODESL	NONO	901 - TECHNICAL/PERFORMANCE/DESIGN CRITERIA
YESNO	OTHER	NONO	910 - DESIGN DESCRIPTION/BASIS
	DOCUMENTS AFFECTED	NONO	911 - PROCESS SET POINT DOCUMENTS
	ITEMS	NONO	912 - EQUIPMENT LIST
	PIPING	NONO	913 - MOV LIST
NONO	101 - PROCESS FLOW DIAGRAMS	NONO	915 - ELECTRICAL SAFETY
NONO	102 - MECHANICAL FLOW DIAGRAMS	NONO	920 - I/O DOCUMENT
YES YES	103 - PIPING AND INSTRUMENTATION DIAGRAMS (P&ID'S)	NOYES	930 - OPERATIONS MANUALS
NONO	104 - UTILITY FLOW DIAGRAMS	NONO	930 - MAINTENANCE MANUALS
YESNO	105 - GENERAL PIPING PLANS	NONO	950 - STANDARD SPECIFICATIONS
NONO	106 - AREA PLANS (MECHANICAL EQUIPMENT LOCATION)	NONO	970 - TASK SPECIFICATIONS
NOYES	122 - WELL HEAD DRAWINGS	NO	990 - CONFIGURATION MANAGEMENT REPORTS/I.B.M.
YESNO	130 - VALVE LIST	COMENTS:	
NONO	135 - LINE LIST		
NONO	140 - PSV LIST		
NONO	150 - STANDARDS		
	CIVIL/STRUCTURAL		
NONO	201 - PLOT PLANS		
NONO	202 - SITE WORK: GRADING (ROUGH & FINISH) DRAIN FENCING		
NONO	210 - FOUNDATIONS: LOCATION PLANS		
NONO	216 - MINES (WEEKS ISLAND ONLY)		
NONO	250 - STANDARDS		
	ELECTRICAL		
NONO	301 - AREA CLASSIFICATION		
NONO	302 - ONE LINE DIAGRAMS		
YESNO	303 - SCHEMATIC DIAGRAMS		
NONO	304 - POWER PLAND AND DETAILS		
NONO	305 - LIGHTING PLAND AND DETAILS		
NONO	307 - SUBSTATION PLANS AND DETAILS		
YESNO	308 - WIRING DIAGRAMS		
NONO	310 - GROUNDING		
YESNO	311 - CONDUIT & CABLE SCHEDULES (INCLUDING INST.)		
NONO	313 - MCC/SWITHC GEAR EVALUATION & SCHEDULE		
ENGINEERING	DATE	CONFIGURATION MANAGEMENT Patricia A. Clark	DATE 11/8/00

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STRATEGIC PETROLEUM RESERVE

WR #

ENGINEERING CHANGE PROPOSAL

SOFTWARE, HARDWARE, FIRMWARE CHANGE

CONTRACTOR CHANGE NUMBER | REVISION NUMBER | ECP NUMBER | PAGE 3 OF

SOFTWARE CHANGE ANALYSIS	HARDWARE/SOFTWARE AFFECTED (NOTE: REDLINE CI BOM)

DISPOSITION OF PARTS

☐ REWORK SITE COMPONENTS ONLY ☐ REWORK ALL SITE COMPONENTS ☐ COMPONENTS NOT AFFECTED

☐ OTHER (DESCRIBE)

COMPONENT COMPATIBILITY (LIST COMPONENTS SEPERATELY IF COMPATIBILITIES ARE DIFFERENT)

☐ INTERCHANGEABLE ☐ DRAWDOWN COMPATIBLE ☐ NONCOMPATIBLE

OPCS SUPPORT ENGINEER DATE FUNCTIONAL MANAGER DATE

IMPLEMENTATION / TEST COMMENTS

WITNESSED BY	DATE

WEEKS ISLAND METERING STATION
PROPOSED

☐ FULL APPROVAL ☐ CONDITIONAL / LIMITED APPROVAL ☐ DISAPPROVAL

D-882

STRATEGIC PETROLEUM RESERVE

WR #

ENGINEERING CHANGE PROPOSAL (CONTINUED)