

NOTES

LEGEND

OPERATING CASE	CRUDE OIL TRANSFER FROM DOCK NO.1 AND DOCK NO.2 TO TERMINAL STORAGE	REFERENCE DWG. NO.	SJ-M-101-016 SJ-M-101-017
1.	DESIGN CRUDE OIL FILL FLOW IS 960,000 BPD. FLOW PATH ASSUMES 50 PSIG PRESSURE AT DOCK NO.1 AND DOCK NO.2. CRUDE OIL SPECIFIC GRAVITY IS ASSUMED TO BE 0.88. CRUDE OIL VISCOSITY IS 9.73 CENTIPOISE AT 100°F.		
2.	MAXIMUM (30 FEET) AND MINIMUM (7 FEET) TANK LEVELS ARE TAKEN FROM ST. JAMES TERMINAL OPERATION MANUAL SECTION 3, REVISION 1, DATED OCTOBER 1, 1991. MAXIMUM LEVEL ASSUMED IN HYDRAULIC CALCULATIONS. (TANK DESIGN MAXIMUM LEVEL IS 33'-3").		
3.	ELEVATIONS ARE TAKEN FROM ST. JAMES HYDRAULIC MANUAL, REVISION 0, DATED AUGUST 21, 1984.		

OPERATING CASE	CRUDE OIL TRANSFER FROM TERMINAL STORAGE TO BAYOU CHOCTAW	REFERENCE DWG. NO.	SJ-M-101-024 SJ-M-101-025
1.	DESIGN CRUDE OIL WITHDRAWAL FLOW IS 270,000 BPD. FLOW PATH ASSUMES 50 PSIG AT BAYOU CHOCTAW BATTERY LIMIT. CRUDE OIL SPECIFIC GRAVITY IS ASSUMED TO BE 0.85. CRUDE OIL VISCOSITY IS 4.25 CENTIPOISE AT 100°F.		
2.	MAXIMUM (30 FEET) AND MINIMUM (7 FEET) TANK LEVELS ARE TAKEN FROM ST. JAMES TERMINAL OPERATION MANUAL SECTION 3, REVISION 1, DATED OCTOBER 1, 1991. MINIMUM LEVEL IS ASSUMED IN HYDRAULIC CALCULATIONS. (TANK DESIGN MAXIMUM LEVEL IS 33'-3").		
3.	TWO BOOSTER PUMPS (SJT-1/2) ARE REQUIRED IN PARALLEL TO TRANSFER CRUDE OIL TO BAYOU CHOCTAW. BOOSTER PUMP SJT-3 IS A SPARE.		
4.	ELEVATIONS ARE TAKEN FROM ST. JAMES HYDRAULIC MANUAL, REVISION 0, DATED AUGUST 21, 1984.		

OPERATING CASE	CRUDE OIL TRANSFER FROM TERMINAL STORAGE TO DOCK NO.1 AND DOCK NO.2	REFERENCE DWG. NO.	SJ-M-101-018 SJ-M-101-019
1.	DESIGN CRUDE OIL WITHDRAWAL FLOW IS 960,000 BPD. FLOW PATH ASSUMES 65 PSIG DELIVERY PRESSURE AT DOCK NO.1 AND DOCK NO.2. CRUDE OIL SPECIFIC GRAVITY IS ASSUMED TO BE 0.88. CRUDE OIL VISCOSITY IS 9.73 CENTIPOISE AT 100°F.		
2.	MAXIMUM (30 FEET) AND MINIMUM (7 FEET) TANK LEVELS ARE TAKEN FROM ST. JAMES TERMINAL OPERATION MANUAL SECTION 3, REVISION 1, DATED OCTOBER 1, 1991. MINIMUM LEVEL ASSUMED IN HYDRAULIC CALCULATIONS. (TANK DESIGN MAXIMUM LEVEL IS 33'-3").		
3.	TWO BOOSTER PUMPS (SJT-4/5) ARE REQUIRED IN PARALLEL TO TRANSFER CRUDE OIL TO DOCK NO.1. TWO BOOSTER PUMPS (SJT-1/2) ARE REQUIRED IN PARALLEL TO TRANSFER CRUDE OIL TO DOCK NO.2. BOOSTER PUMP SJT-3, IS A COMMON SPARE.		
4.	ELEVATIONS ARE TAKEN FROM ST. JAMES HYDRAULIC MANUAL, REVISION 0, DATED AUGUST 21, 1984.		

OPERATING CASE	CRUDE OIL TRANSFER FROM TERMINAL STORAGE TO WEEKS ISLAND	REFERENCE DWG. NO.	SJ-M-101-026 SJ-M-101-027
1.	DESIGN CRUDE OIL WITHDRAWAL FLOW IS 270,000 BPD. FLOW PATH ASSUMES 100 PSIG AT WEEKS ISLAND BATTERY LIMIT. CRUDE OIL SPECIFIC GRAVITY IS ASSUMED TO BE 0.88. CRUDE OIL VISCOSITY IS 9.73 CENTIPOISE AT 100°F.		
2.	MAXIMUM (30 FEET) AND MINIMUM (7 FEET) TANK LEVELS ARE TAKEN FROM ST. JAMES TERMINAL OPERATION MANUAL SECTION 3, REVISION 1, DATED OCTOBER 1, 1991. MINIMUM LEVEL ASSUMED IN HYDRAULIC CALCULATIONS. (TANK DESIGN MAXIMUM LEVEL IS 33'-3").		
3.	TWO BOOSTER PUMPS (SJT-4/5) ARE REQUIRED IN SERIES TO TRANSFER CRUDE OIL TO WEEKS ISLAND.		
4.	ELEVATIONS ARE TAKEN FROM ST. JAMES HYDRAULIC MANUAL, REVISION 0, DATED AUGUST 21, 1984.		

OPERATING CASE	CRUDE OIL TRANSFER FROM BAYOU CHOCTAW TO TERMINAL STORAGE	REFERENCE DWG. NO.	SJ-M-101-020 SJ-M-101-021
1.	DESIGN CRUDE OIL FILL FLOW IS 480,000 BPD. FLOW PATH ASSUMES 50 PSIG PRESSURE AT ST. JAMES BATTERY LIMIT. CRUDE OIL SPECIFIC GRAVITY IS ASSUMED TO BE 0.85. CRUDE OIL VISCOSITY IS 4.25 CENTIPOISE AT 100°F.		
2.	MAXIMUM (30 FEET) AND MINIMUM (7 FEET) TANK LEVELS ARE TAKEN FROM ST. JAMES TERMINAL OPERATION MANUAL SECTION 3, REVISION 1, DATED OCTOBER 1, 1991. MAXIMUM LEVEL ASSUMED IN HYDRAULIC CALCULATIONS. (TANK DESIGN MAXIMUM LEVEL IS 33'-3").		
3.	ELEVATIONS ARE TAKEN FROM ST. JAMES HYDRAULIC MANUAL, REVISION 0, DATED AUGUST 21, 1984.		

OPERATING CASE	CRUDE OIL TRANSFER FROM WEEKS ISLAND TO TERMINAL STORAGE	REFERENCE DWG. NO.	SJ-M-101-022 SJ-M-101-023
1.	DESIGN CRUDE OIL FILL FLOW IS 590,000 BPD. FLOW PATH ASSUMES 50 PSIG PRESSURE AT ST. JAMES BATTERY LIMIT. CRUDE OIL SPECIFIC GRAVITY IS ASSUMED TO BE 0.88. CRUDE OIL VISCOSITY IS 9.73 CENTIPOISE AT 100°F.		
2.	MAXIMUM (30 FEET) AND MINIMUM (7 FEET) TANK LEVELS ARE TAKEN FROM ST. JAMES TERMINAL OPERATION MANUAL SECTION 3, REVISION 1, DATED OCTOBER 1, 1991. MAXIMUM LEVEL ASSUMED IN HYDRAULIC CALCULATIONS. (TANK DESIGN MAXIMUM LEVEL IS 33'-3").		
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CRUDE OIL

NOTES

1. ALL PFD DATA IS BASED ON EXISTING PLANT CONFIGURATION.
2. SYSTEM CONFIGURATION IS IN CONFORMANCE WITH PRESENT P&ID'S. BASED ON FIELD CHECK OF DECEMBER 1992.

PROCESS FLOW DIAGRAM

LEGEND AND NOTES

MECHANICAL
NONE
SJ-M-101-028

ST. JAMES TERMINAL
ST. JAMES PARISH, LOUISIANA