



Note(s) -

- (1) - The final test pressure is the greater of the two (2) test requirements.
- (2) - Ensure test gauge(s) are located and the pressure(s) are adjusted to compensate for any elevation static head pressure.
- (3) - Atmospheric Design & Static Head Pressure
- (4) - Due to Static Head
- (5) - High test pressure >2000 PSI or as specified by the Test Engineer, will require special depressuring and reinspection for potential structural changes or damage.



WILLBROS GOVERNMENT SERVICES (U.S.), LLC

A WILLBROS COMPANY

Pressure Test Certificate

PROJECT N62583-09-D-0132/0003	LOCATION TANK 5	JOB NUMBER 54118
CONTRACTOR WILLBROS GOVERNMENT SERVICES	P & ID No.	
SERVICE NORMAL		N/A
TEST PACK NUMBER TANK 5 FINAL HYDRO 4" DRAIN in CASING	DRAWING No.	54118-003-07-400s
SYSTEM NUMBER		7rC
MARK No. N/A	ISO No.	
LINE No.		N/A
4" DRAIN LINE		
LINE SPECIFICATION CASING SECTION	TEST MEDIUM	WATER
DESIGN PRESSURE (MAWP) 100 PSI	TEST PRESSURE 150	PSI
STRESS RELIEVED YES NO	INTERNAL LINING YES NO	
ALL PRE-TEST NDE COMPLETE AND ACCEPTED	SIGNATURE	DATE
MATERIAL RECORDS COMPLETE	SIGNATURE	DATE
WELDING HISTORY RECORDS COMPLETE	SIGNATURE	DATE
PRE-TEST INSPECTION	FOREMAN SIGNATURE	DATE 10/19/12
WELDING OF PRESSURE PARTS COMPLETE	YES	SYSTEM FILLED AND PURGED OF AIR YES
PROPER GASKETS, BOLTS AND BLINDS	YES	TEMPERATURE WITHIN SPECIFICATION YES
TEMPORARY VENTS AND DRAINS INSPECTED	YES	HYDRO EQUIPMENT AND GAGES INSPECTED YES
TEST PLUGS INSPECTED AND SECURED	YES	OPERATORS PROPERLY INSTRUCTED YES
INSTRUMENTATION BLOCKED OR REMOVED	YES	BARRICADES IN PLACE YES
VALVES IN THE RIGHT POSITION (OPEN/CLOSED)	YES	AREA CLEARED OF PERSONEL YES
TEST MEDIUM WITHIN SPECIFICATION	YES	
QUALITY CONTROL SIGNATURE		DATE
PRESSURE TEST DURATION 4 HOUR	DATE OF TEST 10/19/2012	AMBIENT TEMP. 85 F
		START 12:23 PM
		FINISH 4:23 PM
COMMENTS (TO INCLUDE GAUGE NUMBER AND CALIBRATION DATE) 4" CASING DRAIN LINE PASSED TESTING GAUGE #: 16531 CALIBRATION: 06/07/2012		
COMPANY	Inspected by WGS- JAMES HAGEN	Witnessed by WGS- JOHN SEBOK
SIGNATURE	<i>James Hagen</i>	<i>John Sebok</i>
PRINT NAME	JAMES HAGEN	JOHN SEBOK
DATE	OCTOBER 19th, 2012	OCTOBER 19th, 2012
POST HYDRO RESTORATION		YES
HYDRO BLOWN DOWN & DRY	YES	CONTROL & CHECK VALVES INSTALLED YES
HYDRO BLINDS PULLED	YES	HIGH POINT PLUGS SEAL WELDED & INSPECTED N/A
PROPER GASKETS INSTALLED	YES	NDE ON PLUG SEAL WELDS COMPLETE N/A
PROPER BOLTING & TIGHTNESS	YES	DRAIN / VENT VALVES CLOSED & PLUGGED YES
COMPANY	Inspected by WGS- JAMES HAGEN	Witnessed by WGS- JOHN SEBOK
SIGNATURE	<i>James Hagen</i>	<i>John Sebok</i>
PRINT NAME	JAMES HAGEN	JOHN SEBOK
DATE	OCTOBER 19th, 2012	OCTOBER 19th, 2012



WILLBROS GOVERNMENT SERVICES (U.S.), LLC

A WILLBROS COMPANY

Pressure Test Certificate

PROJECT N62583-09-D-0132/0003		LOCATION TANK 5		JOB NUMBER 54118	
CONTRACTOR WILLBROS GOVERNMENT SERVICES		P & ID No.			
SERVICE NORMAL		N/A			
TEST PACK NUMBER. TANK 5 FINAL HYDRO EXTERNAL 4" DRAIN		DRAWING No. 54118-003-07-400s			
SYSTEM NUMBER		1c, 2c, 3c			
MARK No.		ISO No.			
LINE No.		N/A			
4" DRAIN LINE					
LINE SPECIFICATION		TEST MEDIUM WATER			
DESIGN PRESSURE (MAWP) 100 PSI		TEST PRESSURE 150 PSI			
STRESS RELIEVED YES NO		INTERNAL LINING YES NO			
ALL PRE-TEST NDE COMPLETE AND ACCEPTED		SIGNATURE		DATE	
MATERIAL RECORDS COMPLETE		SIGNATURE		DATE	
WELDING HISTORY RECORDS COMPLETE		SIGNATURE		DATE	
PRE-TEST INSPECTION		FOREMAN SIGNATURE		DATE 5/22/13	
WELDING OF PRESSURE PARTS COMPLETE		YES		SYSTEM FILLED AND PURGED OF AIR YES	
PROPER GASKETS, BOLTS AND BLINDS		YES		TEMPERATURE WITHIN SPECIFICATION YES	
TEMPORARY VENTS AND DRAINS INSPECTED		YES		HYDRO EQUIPMENT AND GAGES INSPECTED YES	
TEST PLUGS INSPECTED AND SECURED		YES		OPERATORS PROPERLY INSTRUCTED YES	
INSTUMENTATION BLOCKED OR REMOVED		YES		BARRICADES IN PLACE YES	
VALVES IN THE RIGHT POSITION (OPEN/CLOSED)		YES		AREA CLEARED OF PERSONEL YES	
TEST MEDIUM WITHIN SPECIFICATION		YES			
QUALITY CONTROL SIGNATURE		DATE			
PRESSURE TEST DURATION 4 HOURS		DATE OF TEST 5/22/13		AMBIENT TEMP. 85 F	
				START 12:01 PM	
				FINISH 4:01 PM	
COMMENTS--(TO INCLUDE GAUGE NUMBER AND CALIBRATION DATE)					
4" EXTERNAL DRAIN LINE PASSED TESTING GAUGE #: 8966699 CALIBRATION: 4/25/2013					
Inspected by		Witnessed by			
WGS- JAMES HAGEN		WGS- JOHN SEBOK			
SIGNATURE		SIGNATURE			
PRINT NAME		PRINT NAME			
DATE		DATE			
MAY 22nd, 2013		MAY 22nd, 2013			
POST HYDRO RESTORATION		YES			
HYDRO BLOWN DOWN & DRY		YES		CONTROL & CHECK VALVES INSTALLED YES	
HYDRO BLINDS PULLED		YES		HIGH POINT PLUGS SEAL WELDED & INSPECTED	
PROPER GASKETS INSTALLED		YES		NDE ON PLUG SEAL WELDS COMPLETE	
PROPER BOLTING & TIGHTNESS		YES		DRAIN / VENT VALVES CLOSED & PLUGGED YES	
Inspected by		Witnessed by			
WGS- JAMES HAGEN		WGS- JOHN SEBOK			
SIGNATURE		SIGNATURE			
PRINT NAME		PRINT NAME			
DATE		DATE			
MAY 22nd, 2013		MAY 22nd, 2013			



WILLBROS GOVERNMENT SERVICES (U.S.), LLC

A WILLBROS COMPANY

Pressure Test Certificate

PROJECT N62583-09-D-0132/0003	LOCATION TANK TK5	JOB NUMBER 54118
CONTRACTOR WILLBROS GOVERNMENT SERVICES	P & ID No.	
SERVICE NORMAL - ASME B31.3		N/A
TEST PACK NUMBER. TANK 5 DRAIN PIPING	DRAWING No.	NONE
SYSTEM NUMBER		
MARK No. N/A	ISO No.	
LINE No.		N/A
INTEGRITY TEST 6" PIPING		N/A
LINE SPECIFICATION SLOP LINE	TEST MEDIUM WATER	
DESIGN PRESSURE (MAWP) 100 PSI	TEST PRESSURE 150 PSI	
STRESS RELIEVED YES NO	INTERNAL LINING YES NO	
ALL PRE-TEST NDE COMPLETE AND ACCEPTED	SIGNATURE	DATE
MATERIAL RECORDS COMPLETE	SIGNATURE	DATE
WELDING HISTORY RECORDS COMPLETE	SIGNATURE	DATE
PRE-TEST INSPECTION	FOREMAN SIGNATURE	DATE
WELDING OF PRESSURE PARTS COMPLETE	N/A	SYSTEM FILLED AND PURGED OF AIR YES
PROPER GASKETS, BOLTS AND BLINDS	YES	TEMPERATURE WITHIN SPECIFICATION YES
TEMPORARY VENTS AND DRAINS INSPECTED	YES	HYDRO EQUIPMENT AND GAGES INSPECTED YES
TEST PLUGS INSPECTED AND SECURED	YES	OPERATORS PROPERLY INSTRUCTED YES
INSTUMENTATION BLOCKED OR REMOVED	YES	BARRICADES IN PLACE YES
VALVES IN THE RIGHT POSITION (OPEN/CLOSED)	YES	AREA CLEARED OF PERSONEL YES
TEST MEDIUM WITHIN SPECIFICATION	YES	
QUALITY CONTROL SIGNATURE		DATE
PRESSURE TEST DURATION 4 HOURS	DATE OF TEST 10/13/2010	AMBIENT TEMP. 73 F
		START 8:23 AM
		FINISH 3:19 PM
COMMENTS (TO INCLUDE GAUGE NUMBER AND CALIBRATION DATE)		
6" DRAIN PIPING LINE FAILED TESTING WOULDN'T MAINTAIN PRESSURE GAUGE #: 45-1279 #1 CALIBRATION:		
	Inspected by	Witnessed by
COMPANY	WGS - Pat Collins	WGS - Reed Cavin
SIGNATURE		
PRINT NAME		
DATE	10/13/2010	10/13/2010
POST HYDRO RESTORATION		
HYDRO BLOWN DOWN & DRY	N/A	CONTROL & CHECK VALVES INSTALLED YES
HYDRO BLINDS PULLED	YES	HIGH POINT PLUGS SEAL WELDED & INSPECTED N/A
PROPER GASKETS INSTALLED	YES	NDE ON PLUG SEAL WELDS COMPLETE N/A
PROPER BOLTING & TIGHTNESS	YES	DRAIN / VENT VALVES CLOSED & PLUGGED YES
	Inspected by	Witnessed by
COMPANY	WGS - Pat Collins	WGS - Reed Cavin
SIGNATURE		
PRINT NAME		
DATE		



WILLBROS GOVERNMENT SERVICES (U.S.), LLC

A WILLBROS COMPANY

Pressure Test Certificate

PROJECT N62583-09-D-0132/0003	LOCATION TANK 5	JOB NUMBER 54118
CONTRACTOR WILLBROS GOVERNMENT SERVICES	P & ID No.	
SERVICE NORMAL		N/A
TEST PACK NUMBER TANK 5 FINAL HYDRO CASING SAMPLE PIPING	DRAWING No.	54118-003-07-400s
SYSTEM NUMBER		7c
MARK No. N/A	ISO No.	
LINE No.		N/A
3/4" SAMPLE PIPING		N/A
LINE SPECIFICATION 20 FEET	TEST MEDIUM WATER	
DESIGN PRESSURE (MAWP) 100 PSI	TEST PRESSURE 150 PSI	
STRESS RELIEVED YES NO	INTERNAL LINING YES NO	
ALL PRE-TEST NDE COMPLETE AND ACCEPTED	SIGNATURE	DATE
MATERIAL RECORDS COMPLETE	SIGNATURE	DATE
WELDING HISTORY RECORDS COMPLETE	SIGNATURE	DATE
PRE-TEST INSPECTION	FOREMAN SIGNATURE <i>John Sebok</i>	DATE 10/19/12
WELDING OF PRESSURE PARTS COMPLETE	N/A	SYSTEM FILLED AND PURGED OF AIR YES
PROPER GASKETS, BOLTS AND BLINDS	YES	TEMPERATURE WITHIN SPECIFICATION YES
TEMPORARY VENTS AND DRAINS INSPECTED	YES	HYDRO EQUIPMENT AND GAGES INSPECTED YES
TEST PLUGS INSPECTED AND SECURED	YES	OPERATORS PROPERLY INSTRUCTED YES
INSTRUMENTATION BLOCKED OR REMOVED	YES	BARRICADES IN PLACE YES
VALVES IN THE RIGHT POSITION (OPEN/CLOSED)	YES	AREA CLEARED OF PERSONEL YES
TEST MEDIUM WITHIN SPECIFICATION	YES	
QUALITY CONTROL SIGNATURE		DATE
PRESSURE TEST DURATION 4 HOURS	DATE OF TEST 10/19/2012	AMBIENT TEMP. 85 F
		START 7:25 AM
		FINISH 11:25 AM
COMMENTS (TO INCLUDE GAUGE NUMBER AND CALIBRATION DATE) 3/4" SAMPLE PIPING 20' LINE PASSED TESTING GAUGE #: 16531 CALIBRATION: 6/7/2012		
Inspected by	Witnessed by	
COMPANY WGS- JAMES HAGEN	WGS- JOHN SEBOK	
SIGNATURE <i>James Hagen</i>	<i>John Sebok</i>	
PRINT NAME JAMES HAGEN	John Sebok	
DATE OCTOBER 19th, 2012	OCTOBER 19th, 2012	
POST HYDRO RESTORATION		YES
HYDRO BLOWN DOWN & DRY N/A	CONTROL & CHECK VALVES INSTALLED	YES
HYDRO BLINDS PULLED YES	HIGH POINT PLUGS SEAL WELDED & INSPECTED	N/A
PROPER GASKETS INSTALLED YES	NDE ON PLUG SEAL WELDS COMPLETE	N/A
PROPER BOLTING & TIGHTNESS YES	DRAIN / VENT VALVES CLOSED & PLUGGED	YES
Inspected by	Witnessed by	
COMPANY WGS- JAMES HAGEN	WGS- JOHN SEBOK	
SIGNATURE <i>James Hagen</i>	<i>John Sebok</i>	
PRINT NAME JAMES HAGEN	John Sebok	
DATE OCTOBER 19th, 2012	OCTOBER 19th, 2012	



WILLBROS GOVERNMENT SERVICES (U.S.), LLC

A WILLBROS COMPANY

Pressure Test Certificate

PROJECT N62583-09-D-0132/0003	LOCATION TANK 5	JOB NUMBER 54118
CONTRACTOR WILLBROS GOVERNMENT SERVICES	P & ID No.	
SERVICE NORMAL	N/A	
TEST PACK NUMBER. TANK 5 FINAL HYDRO CASING SAMPLE PIPING	DRAWING No.	54118-003-07-400s
SYSTEM NUMBER	7rC	
MARK No N/A	ISO No.	
LINE No.	N/A	
3/4" SAMPLE PIPING	N/A	
LINE SPECIFICATION 120 FEET	TEST MEDIUM WATER	
DESIGN PRESSURE (MAWP) 100 PSI	TEST PRESSURE 150 PSI	
STRESS RELIEVED YES NO	INTERNAL LINING YES NO	
ALL PRE-TEST NDE COMPLETE AND ACCEPTED	SIGNATURE	DATE
MATERIAL RECORDS COMPLETE	SIGNATURE	DATE
WELDING HISTORY RECORDS COMPLETE	SIGNATURE	DATE
PRE-TEST INSPECTION	FOREMAN SIGNATURE <i>John Sebok</i>	DATE 10/22/12
WELDING OF PRESSURE PARTS COMPLETE	N/A	SYSTEM FILLED AND PURGED OF AIR YES
PROPER GASKETS, BOLTS AND BLINDS	YES	TEMPERATURE WITHIN SPECIFICATION YES
TEMPORARY VENTS AND DRAINS INSPECTED	YES	HYDRO EQUIPMENT AND GAGES INSPECTED YES
TEST PLUGS INSPECTED AND SECURED	YES	OPERATORS PROPERLY INSTRUCTED YES
INSTRUMENTATION BLOCKED OR REMOVED	YES	BARRICADES IN PLACE YES
VALVES IN THE RIGHT POSITION (OPEN/CLOSED)	YES	AREA CLEARED OF PERSONNEL YES
TEST MEDIUM WITHIN SPECIFICATION	YES	
QUALITY CONTROL SIGNATURE		DATE
PRESSURE TEST DURATION 4 HOURS	DATE OF TEST 10/22/2012	AMBIENT TEMP. 85 F
		START 7:11 AM
		FINISH 11:11 AM
COMMENTS (TO INCLUDE GAUGE NUMBER AND CALIBRATION DATE)		
3/4" SAMPLE PIPING 120' LINE PASSED TESTING GAUGE #: 16531 CALIBRATION: 6/7/2012		
COMPANY	Inspected by WGS- JAMES HAGEN	Witnessed by WGS- JOHN SEBOK
SIGNATURE	<i>James Hagen</i>	<i>John Sebok</i>
PRINT NAME	JAMES HAGEN	John Sebok
DATE	OCTOBER 22nd, 2012	OCTOBER 22nd, 2012
POST HYDRO RESTORATION		YES
HYDRO BLOWN DOWN & DRY	N/A	CONTROL & CHECK VALVES INSTALLED YES
HYDRO BLINDS PULLED	YES	HIGH POINT PLUGS SEAL WELDED & INSPECTED N/A
PROPER GASKETS INSTALLED	YES	NDE ON PLUG SEAL WELDS COMPLETE N/A
PROPER BOLTING & TIGHTNESS	YES	DRAIN / VENT VALVES CLOSED & PLUGGED YES
COMPANY	Inspected by WGS- JAMES HAGEN	Witnessed by WGS- JOHN SEBOK
SIGNATURE	<i>James Hagen</i>	<i>John Sebok</i>
PRINT NAME	JAMES HAGEN	John Sebok
DATE	OCTOBER 22nd, 2012	OCTOBER 22nd, 2012



WILLBROS GOVERNMENT SERVICES (U.S.), LLC

A WILLBROS COMPANY

Pressure Test Certificate

PROJECT N62583-09-D-0132/0003	LOCATION TANK 5	JOB NUMBER 54118
CONTRACTOR WILLBROS GOVERNMENT SERVICES	P & ID No.	
SERVICE NORMAL	N/A	
TEST PACK NUMBER TANK 5 FINAL HYDRO CASING SAMPLE PIPING	DRAWING No.	54118-003-07-400s
SYSTEM NUMBER	7rC	
MARK No. N/A	ISO No.	
LINE No.	N/A	
3/4" SAMPLE PIPING	N/A	
LINE SPECIFICATION 60 FEET	TEST MEDIUM WATER	
DESIGN PRESSURE (MAWP) 100 PSI	TEST PRESSURE 150 PSI	
STRESS RELIEVED YES NO	INTERNAL LINING YES NO	
ALL PRE-TEST NDE COMPLETE AND ACCEPTED	SIGNATURE	DATE
MATERIAL RECORDS COMPLETE	SIGNATURE	DATE
WELDING HISTORY RECORDS COMPLETE	SIGNATURE	DATE
PRE-TEST INSPECTION	FOREMAN SIGNATURE	DATE 10/22/12
WELDING OF PRESSURE PARTS COMPLETE	N/A	SYSTEM FILLED AND PURGED OF AIR YES
PROPER GASKETS, BOLTS AND BLINDS	YES	TEMPERATURE WITHIN SPECIFICATION YES
TEMPORARY VENTS AND DRAINS INSPECTED	YES	HYDRO EQUIPMENT AND GAGES INSPECTED YES
TEST PLUGS INSPECTED AND SECURED	YES	OPERATORS PROPERLY INSTRUCTED YES
INSTRUMENTATION BLOCKED OR REMOVED	YES	BARRICADES IN PLACE YES
VALVES IN THE RIGHT POSITION (OPEN/CLOSED)	YES	AREA CLEARED OF PERSONEL YES
TEST MEDIUM WITHIN SPECIFICATION	YES	
QUALITY CONTROL SIGNATURE		DATE
PRESSURE TEST DURATION 4 HOURS	DATE OF TEST 10/22/2012	AMBIENT TEMP. 85 F START 11:40 AM FINISH 3:40 PM
COMMENTS (TO INCLUDE GAUGE NUMBER AND CALIBRATION DATE) 3/4" SAMPLE PIPING 60' LINE PASSED TESTING GAUGE #: 16531 CALIBRATION: 6/7/2012		
Inspected by		Witnessed by
COMPANY WGS- JAMES HAGEN	WGS- JOHN SEBOK	
SIGNATURE		
PRINT NAME JAMES HAGEN	John Sebok	
DATE OCTOBER 22nd, 2012	OCTOBER 22nd, 2012	
POST HYDRO RESTORATION		
HYDRO BLOWN DOWN & DRY N/A	CONTROL & CHECK VALVES INSTALLED YES	
HYDRO BLINDS PULLED YES	HIGH POINT PLUGS SEAL WELDED & INSPECTED N/A	
PROPER GASKETS INSTALLED YES	NDE ON PLUG SEAL WELDS COMPLETE N/A	
PROPER BOLTING & TIGHTNESS YES	DRAIN / VENT VALVES CLOSED & PLUGGED YES	
Inspected by		Witnessed by
COMPANY WGS- JAMES HAGEN	WGS- JOHN SEBOK	
SIGNATURE		
PRINT NAME James Hagen		
DATE OCTOBER 22nd, 2012	OCTOBER 22nd, 2012	



WILLBROS GOVERNMENT SERVICES (U.S.), LLC

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Pressure Test Certificate

PROJECT N62583-09-D-0132/0003	LOCATION TANK 5	JOB NUMBER 54118
CONTRACTOR WILLBROS GOVERNMENT SERVICES	P & ID No.	
SERVICE NORMAL		N/A
TEST PACK NUMBER TANK 5 FINAL HYDRO CASING SAMPLE PIPING	DRAWING No.	54118-003-07-400s
SYSTEM NUMBER		7rC
MARK No.	N/A	ISO No.
LINE No.		N/A
3/4" SAMPLE PIPING		N/A
LINE SPECIFICATION 175 FEET	TEST MEDIUM	WATER
DESIGN PRESSURE (MAWP) 100 PSI	TEST PRESSURE 150	PSI
STRESS RELIEVED YES NO	INTERNAL LINING YES NO	
ALL PRE-TEST NDE COMPLETE AND ACCEPTED	SIGNATURE	DATE
MATERIAL RECORDS COMPLETE	SIGNATURE	DATE
WELDING HISTORY RECORDS COMPLETE	SIGNATURE	DATE
PRE-TEST INSPECTION	FOREMAN SIGNATURE	DATE 10/23/12
WELDING OF PRESSURE PARTS COMPLETE	N/A	SYSTEM FILLED AND PURGED OF AIR YES
PROPER GASKETS, BOLTS AND BLINDS	YES	TEMPERATURE WITHIN SPECIFICATION YES
TEMPORARY VENTS AND DRAINS INSPECTED	YES	HYDRO EQUIPMENT AND GAGES INSPECTED YES
TEST PLUGS INSPECTED AND SECURED	YES	OPERATORS PROPERLY INSTRUCTED YES
INSTUMENTATION BLOCKED OR REMOVED	YES	BARRICADES IN PLACE YES
VALVES IN THE RIGHT POSITION (OPEN/CLOSED)	YES	AREA CLEARED OF PERSONEL YES
TEST MEDIUM WITHIN SPECIFICATION	YES	
QUALITY CONTROL SIGNATURE		DATE
PRESSURE TEST DURATION 4 HOURS	DATE OF TEST 10/23/2012	AMBIENT TEMP. 85 F
		START 8:35 AM
		FINISH 12:35 PM
COMMENTS (TO INCLUDE GAUGE NUMBER AND CALIBRATION DATE) 3/4" SAMPLE PIPING 175' LINE PASSED TESTING GAUGE #: 16531 CALIBRATION: 6/7/2012		
Inspected by	Witnessed by	
WGS- JAMES HAGEN	WGS- JOHN SEBOK	
SIGNATURE	SIGNATURE	
PRINT NAME	PRINT NAME	
DATE	DATE	
POST HYDRO RESTORATION		
HYDRO BLOWN DOWN & DRY	N/A	CONTROL & CHECK VALVES INSTALLED YES
HYDRO BLINDS PULLED	YES	HIGH POINT PLUGS SEAL WELDED & INSPECTED N/A
PROPER GASKETS INSTALLED	YES	NDE ON PLUG SEAL WELDS COMPLETE N/A
PROPER BOLTING & TIGHTNESS	YES	DRAIN / VENT VALVES CLOSED & PLUGGED YES
Inspected by	Witnessed by	
WGS- JAMES HAGEN	WGS- JOHN SEBOK	
SIGNATURE	SIGNATURE	
PRINT NAME	PRINT NAME	
DATE	DATE	



WILLBROS GOVERNMENT SERVICES (U.S.), LLC

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Pressure Test Certificate

PROJECT N62583-09-D-0132/0003	LOCATION TANK 5	JOB NUMBER 54118
CONTRACTOR WILLBROS GOVERNMENT SERVICES	P & ID No.	
SERVICE NORMAL	N/A	
TEST PACK NUMBER TANK 5 FINAL HYDRO EXTERNAL SAMPLE PIPING	DRAWING No. 54118-003-07-400s	
SYSTEM NUMBER	1rC, 2rC, 3rC	
MARK No. N/A	ISO No.	
LINE No.	N/A	
3/4" & 1" SAMPLE PIPING	N/A	
LINE SPECIFICATION	TEST MEDIUM WATER	
DESIGN PRESSURE (MAWP) 100 PSI	TEST PRESSURE 150 PSI	
STRESS RELIEVED YES NO	INTERNAL LINING YES NO	
ALL PRE-TEST NDE COMPLETE AND ACCEPTED	SIGNATURE	DATE
MATERIAL RECORDS COMPLETE	SIGNATURE	DATE
WELDING HISTORY RECORDS COMPLETE	SIGNATURE	DATE
PRE-TEST INSPECTION	FOREMAN SIGNATURE <i>gdt</i>	DATE 5/22/13
WELDING OF PRESSURE PARTS COMPLETE	N/A	SYSTEM FILLED AND PURGED OF AIR YES
PROPER GASKETS, BOLTS AND BLINDS	YES	TEMPERATURE WITHIN SPECIFICATION YES
TEMPORARY VENTS AND DRAINS INSPECTED	YES	HYDRO EQUIPMENT AND GAGES INSPECTED YES
TEST PLUGS INSPECTED AND SECURED	YES	OPERATORS PROPERLY INSTRUCTED YES
INSTRUMENTATION BLOCKED OR REMOVED	YES	BARRICADES IN PLACE YES
VALVES IN THE RIGHT POSITION (OPEN/CLOSED)	YES	AREA CLEARED OF PERSONEL YES
TEST MEDIUM WITHIN SPECIFICATION	YES	
QUALITY CONTROL SIGNATURE	DATE	
PRESSURE TEST DURATION 4 HOURS	DATE OF TEST 5/22/13	AMBIENT TEMP 85 F
		START 7:51 AM
		FINISH 11:51 AM
COMMENTS (TO INCLUDE GAUGE NUMBER AND CALIBRATION DATE) 3/4" & 1" SAMPLE PIPING PASSED TESTING GAUGE #: 8966699 CALIBRATION: 4/25/2013		
COMPANY	Inspected by WGS- JAMES HAGEN	Witnessed by WGS- JOHN SEBOK
SIGNATURE	<i>James Hagen</i>	<i>John Sebok</i>
PRINT NAME	JAMES HAGEN	JOHN SEBOK
DATE	MAY 22ND, 2013	MAY 22ND, 2013
POST HYDRO RESTORATION		
HYDRO BLOWN DOWN & DRY	N/A	CONTROL & CHECK VALVES INSTALLED YES
HYDRO BLINDS PULLED	YES	HIGH POINT PLUGS SEAL WELDED & INSPECTED N/A
PROPER GASKETS INSTALLED	YES	NDE ON PLUG SEAL WELDS COMPLETE N/A
PROPER BOLTING & TIGHTNESS	YES	DRAIN / VENT VALVES CLOSED & PLUGGED YES
COMPANY	Inspected by WGS- JAMES HAGEN	Witnessed by WGS- JOHN SEBOK
SIGNATURE	<i>James Hagen</i>	<i>John Sebok</i>
PRINT NAME	JAMES HAGEN	JOHN SEBOK
DATE	MAY 22ND, 2013	MAY 22ND, 2013



WILLBROS GOVERNMENT SERVICES (U.S.), LLC

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Pressure Test Certificate

PROJECT N62583-09-D-0132/0003	LOCATION TANK TK5	JOB NUMBER 54118
CONTRACTOR WILLBROS GOVERNMENT SERVICES	P & ID No.	
SERVICE NORMAL - ASME B31.3		N/A
TEST PACK NUMBER. TANK 5 CASING SAMPLE PIPING	DRAWING No.	NONE
SYSTEM NUMBER		
MARK No. N/A	ISO No.	
LINE No.		N/A
INTEGRITY TEST 3/4" SAMPLE PIPING		N/A
LINE SPECIFICATION 10 FEET	TEST MEDIUM WATER	
DESIGN PRESSURE (MAWP) 100 PSI	TEST PRESSURE 150 PSI	
STRESS RELIEVED YES NO	INTERNAL LINING YES NO	
ALL PRE-TEST NDE COMPLETE AND ACCEPTED	SIGNATURE	DATE
MATERIAL RECORDS COMPLETE	SIGNATURE	DATE
WELDING HISTORY RECORDS COMPLETE	SIGNATURE	DATE
PRE-TEST INSPECTION	FOREMAN SIGNATURE	DATE
WELDING OF PRESSURE PARTS COMPLETE	N/A	SYSTEM FILLED AND PURGED OF AIR YES
PROPER GASKETS, BOLTS AND BLINDS	YES	TEMPERATURE WITHIN SPECIFICATION YES
TEMPORARY VENTS AND DRAINS INSPECTED	YES	HYDRO EQUIPMENT AND GAGES INSPECTED YES
TEST PLUGS INSPECTED AND SECURED	YES	OPERATORS PROPERLY INSTRUCTED YES
INSTUMENTATION BLOCKED OR REMOVED	YES	BARRICADES IN PLACE YES
VALVES IN THE RIGHT POSITION (OPEN/CLOSED)	YES	AREA CLEARED OF PERSONEL YES
TEST MEDIUM WITHIN SPECIFICATION	YES	
QUALITY CONTROL SIGNATURE		
DATE		
PRESSURE TEST DURATION 4 HOURS	DATE OF TEST 10/07/2010	AMBIENT TEMP. 72 F
		START 8:05 AM
		FINISH 4:58 PM
COMMENTS (TO INCLUDE GAUGE NUMBER AND CALIBRATION DATE)		
3/4" SAMPLE PIPING 10" LINE FAILED TESTING WOULDNT MAINTAIN PRESSURE GAUGE #: 45-1279 #1 CALIBRATION		
Inspected by		
COMPANY	WGS- PAT COLLINS	Witnessed by
SIGNATURE		WGS- REED CAVIN
PRINT NAME		
DATE	10/07/2010	10/07/2010
POST HYDRO RESTORATION		
HYDRO BLOWN DOWN & DRY	N/A	CONTROL & CHECK VALVES INSTALLED YES
HYDRO BLINDS PULLED	YES	HIGH POINT PLUGS SEAL WELDED & INSPECTED N/A
PROPER GASKETS INSTALLED	YES	NDE ON PLUG SEAL WELDS COMPLETE N/A
PROPER BOLTING & TIGHTNESS	YES	DRAIN / VENT VALVES CLOSED & PLUGGED YES
Inspected by		
COMPANY	WGS- PAT COLLINS	Witnessed by
SIGNATURE		WGS- REED CAVIN
PRINT NAME		
DATE	10/07/2010	10/07/2010



WILLBROS GOVERNMENT SERVICES (U.S.), LLC

A WILLBROS COMPANY

Pressure Test Certificate

PROJECT N62583-09-D-0132/0003	LOCATION TANK TK5	JOB NUMBER 54118
CONTRACTOR WILLBROS GOVERNMENT SERVICES	P & ID No.	
SERVICE NORMAL - ASME B31.3		N/A
TEST PACK NUMBER, TANK 5 CASING SAMPLE PIPING	DRAWING No.	NONE
SYSTEM NUMBER		
MARK No. N/A	ISO No.	
LINE No.		N/A
INTEGRITY TEST 3/4" SAMPLE PIPING		N/A
LINE SPECIFICATION 75FEET	TEST MEDIUM WATER	
DESIGN PRESSURE (MAWP) 100 PSI	TEST PRESSURE 150 PSI	
STRESS RELIEVED YES NO	INTERNAL LINING YES NO	
ALL PRE-TEST NDE COMPLETE AND ACCEPTED	SIGNATURE	DATE
MATERIAL RECORDS COMPLETE	SIGNATURE	DATE
WELDING HISTORY RECORDS COMPLETE	SIGNATURE	DATE
PRE-TEST INSPECTION	FOREMAN SIGNATURE	DATE
WELDING OF PRESSURE PARTS COMPLETE	N/A	SYSTEM FILLED AND PURGED OF AIR YES
PROPER GASKETS, BOLTS AND BLINDS	YES	TEMPERATURE WITHIN SPECIFICATION YES
TEMPORARY VENTS AND DRAINS INSPECTED	YES	HYDRO EQUIPMENT AND GAGES INSPECTED YES
TEST PLUGS INSPECTED AND SECURED	YES	OPERATORS PROPERLY INSTRUCTED YES
INSTUMENTATION BLOCKED OR REMOVED	YES	BARRICADES IN PLACE YES
VALVES IN THE RIGHT POSITION (OPEN/CLOSED)	YES	AREA CLEARED OF PERSONEL YES
TEST MEDIUM WITHIN SPECIFICATION	YES	
QUALITY CONTROL SIGNATURE		DATE
PRESSURE TEST DURATION 4 HOURS	DATE OF TEST 10/08/2010	AMBIENT TEMP. 71 F
		START 7:58 AM
		FINISH 9:15 AM
COMMENTS (TO INCLUDE GAUGE NUMBER AND CALIBRATION DATE)		
3/4" SAMPLE PIPING LINE FAILED TESTING WOULDNT MAINTAIN PRESSURE GAUGE #: 45-1279 #1 CALIBRATION:		
COMPANY	Inspected by WGS - Pat Collins	Witnessed by WGS - Reed Cavin
SIGNATURE		
PRINT NAME		
DATE	10/08/2010	10/08/2010
POST HYDRO RESTORATION		
HYDRO BLOWN DOWN & DRY	N/A	CONTROL & CHECK VALVES INSTALLED YES
HYDRO BLINDS PULLED	YES	HIGH POINT PLUGS SEAL WELDED & INSPECTED N/A
PROPER GASKETS INSTALLED	YES	NDE ON PLUG SEAL WELDS COMPLETE N/A
PROPER BOLTING & TIGHTNESS	YES	DRAIN / VENT VALVES CLOSED & PLUGGED YES
COMPANY	Inspected by WGS - Pat Collins	Witnessed by WGS - Reed Cavin
SIGNATURE		
PRINT NAME		
DATE		



WILLBROS GOVERNMENT SERVICES (U.S.), LLC

A WILLBROS COMPANY

Pressure Test Certificate

PROJECT N62583-09-D-0132/0003	LOCATION TANK TK5	JOB NUMBER 54118
CONTRACTOR WILLBROS GOVERNMENT SERVICES	P & ID No.	
SERVICE NORMAL - ASME B31.3		N/A
TEST PACK NUMBER, TANK 5 CASING SAMPLE PIPING	DRAWING No.	NONE
SYSTEM NUMBER		
MARK No. N/A	ISO No.	
LINE No.		N/A
INTEGRITY TEST 3/4" SAMPLE PIPING		N/A
LINE SPECIFICATION 135 FEET	TEST MEDIUM WATER	
DESIGN PRESSURE (MAWP) 100 PSI	TEST PRESSURE 150	PSI
STRESS RELIEVED YES NO	INTERNAL LINING YES NO	
ALL PRE-TEST NDE COMPLETE AND ACCEPTED	SIGNATURE	DATE
MATERIAL RECORDS COMPLETE	SIGNATURE	DATE
WELDING HISTORY RECORDS COMPLETE	SIGNATURE	DATE
PRE-TEST INSPECTION	FOREMAN SIGNATURE	DATE
WELDING OF PRESSURE PARTS COMPLETE	N/A	SYSTEM FILLED AND PURGED OF AIR YES
PROPER GASKETS, BOLTS AND BLINDS	YES	TEMPERATURE WITHIN SPECIFICATION YES
TEMPORARY VENTS AND DRAINS INSPECTED	YES	HYDRO EQUIPMENT AND GAGES INSPECTED YES
TEST PLUGS INSPECTED AND SECURED	YES	OPERATORS PROPERLY INSTRUCTED YES
INSTUMENTATION BLOCKED OR REMOVED	YES	BARRICADES IN PLACE YES
VALVES IN THE RIGHT POSITION (OPEN/CLOSED)	YES	AREA CLEARED OF PERSONEL YES
TEST MEDIUM WITHIN SPECIFICATION	YES	
QUALITY CONTROL SIGNATURE		DATE
PRESSURE TEST DURATION 4 HOURS	DATE OF TEST 10/08/2010	AMBIENT TEMP. 72 F
		START 10:08 AM
		FINISH 12:05 AM
COMMENTS (TO INCLUDE GAUGE NUMBER AND CALIBRATION DATE)		
3/4" SAMPLE PIPING LINE FAILED TESTING WOULDNT MAINTAIN PRESSURE GAUGE # 45-1279 #1 CALIBRATION		
COMPANY	Inspected by WGS - Pat Collins	Witnessed by WGS - Reed Cavin
SIGNATURE		
PRINT NAME		
DATE	10/08/2010	10/08/2010
POST HYDRO RESTORATION		
HYDRO BLOWN DOWN & DRY	N/A	CONTROL & CHECK VALVES INSTALLED YES
HYDRO BLINDS PULLED	YES	HIGH POINT PLUGS SEAL WELDED & INSPECTED N/A
PROPER GASKETS INSTALLED	YES	NDE ON PLUG SEAL WELDS COMPLETE N/A
PROPER BOLTING & TIGHTNESS	YES	DRAIN / VENT VALVES CLOSED & PLUGGED YES
COMPANY	Inspected by WGS - Pat Collins	Witnessed by WGS - Reed Cavin
SIGNATURE		
PRINT NAME		
DATE		



WILLBROS GOVERNMENT SERVICES (U.S.), LLC

A WILLBROS COMPANY

Pressure Test Certificate

PROJECT N62583-09-D-0132/0003	LOCATION TANK TK5	JOB NUMBER 54118
CONTRACTOR WILLBROS GOVERNMENT SERVICES	P & ID No.	
SERVICE NORMAL - ASME B31.3		N/A
TEST PACK NUMBER TANK 5 CASING SAMPLE PIPING	DRAWING No.	NONE
SYSTEM NUMBER		
MARK No. N/A	ISO No.	
LINE No.		N/A
INTEGRITY TEST 3/4" SAMPLE PIPING		N/A
LINE SPECIFICATION 190 FEET	TEST MEDIUM WATER	
DESIGN PRESSURE (MAWP) 100 PSI	TEST PRESSURE 150	PSI
STRESS RELIEVED YES NO	INTERNAL LINING YES NO	
ALL PRE-TEST NDE COMPLETE AND ACCEPTED	SIGNATURE	DATE
MATERIAL RECORDS COMPLETE	SIGNATURE	DATE
WELDING HISTORY RECORDS COMPLETE	SIGNATURE	DATE
PRE-TEST INSPECTION	FOREMAN SIGNATURE	DATE
WELDING OF PRESSURE PARTS COMPLETE	N/A	SYSTEM FILLED AND PURGED OF AIR YES
PROPER GASKETS, BOLTS AND BLINDS	YES	TEMPERATURE WITHIN SPECIFICATION YES
TEMPORARY VENTS AND DRAINS INSPECTED	YES	HYDRO EQUIPMENT AND GAGES INSPECTED YES
TEST PLUGS INSPECTED AND SECURED	YES	OPERATORS PROPERLY INSTRUCTED YES
INSTUMENTATION BLOCKED OR REMOVED	YES	BARRICADES IN PLACE YES
VALVES IN THE RIGHT POSITION (OPEN/CLOSED)	YES	AREA CLEARED OF PERSONEL YES
TEST MEDIUM WITHIN SPECIFICATION	YES	
QUALITY CONTROL SIGNATURE		DATE
PRESSURE TEST DURATION 4 HOURS	DATE OF TEST 10/08/2010	AMBIENT TEMP. 72 F START 1:54 PM FINISH 4:21 PM
COMMENTS (TO INCLUDE GAUGE NUMBER AND CALIBRATION DATE) 3/4" SAMPLE PIPING LINE FAILED TESTING WOULDNT MAINTAIN PRESSURE GAUGE # 45-1279 #1 CALIBRATION: <i>Pat Collins</i>		
COMPANY	Inspected by WGS - Pat Collins	Witnessed by WGS - Reed Cavin
SIGNATURE	<i>Pat Collins</i>	
PRINT NAME		
DATE	10/08/2010	10/08/2010
POST HYDRO RESTORATION		
HYDRO BLOWN DOWN & DRY	N/A	CONTROL & CHECK VALVES INSTALLED YES
HYDRO BLINDS PULLED	YES	HIGH POINT PLUGS SEAL WELDED & INSPECTED N/A
PROPER GASKETS INSTALLED	YES	NDE ON PLUG SEAL WELDS COMPLETE N/A
PROPER BOLTING & TIGHTNESS	YES	DRAIN / VENT VALVES CLOSED & PLUGGED YES
COMPANY	Inspected by WGS - Pat Collins	Witnessed by WGS - Reed Cavin
SIGNATURE		
PRINT NAME		
DATE		



WILLBROS GOVERNMENT SERVICES (U.S.), LLC

A WILLBROS COMPANY

Pressure Test Certificate

PROJECT N62583-09-D-0132/0003	LOCATION TANK TK5	JOB NUMBER 54118
CONTRACTOR WILLBROS GOVERNMENT SERVICES	P & ID No.	
SERVICE NORMAL - ASME B31.3		N/A
TEST PACK NUMBER. TANK 5 12"/16" INLETPIPING	DRAWING No.	NONE
SYSTEM NUMBER		
MARK No. N/A	ISO No.	
LINE No.		N/A
INTEGRITY TEST 12" / 16" INLET PIPING		N/A
LINE SPECIFICATION JP-8	TEST MEDIUM WATER	
DESIGN PRESSURE (MAWP) 100 PSI	TEST PRESSURE 150 PSI	
STRESS RELIEVED YES NO	INTERNAL LINING YES NO	
ALL PRE- TEST NDE COMPLETE AND ACCEPTED	SIGNATURE	DATE
MATERIAL RECORDS COMPLETE	SIGNATURE	DATE
WELDING HISTORY RECORDS COMPLETE	SIGNATURE	DATE
PRE-TEST INSPECTION	FOREMAN SIGNATURE	DATE
WELDING OF PRESSURE PARTS COMPLETE	N/A	SYSTEM FILLED AND PURGED OF AIR YES
PROPER GASKETS, BOLTS AND BLINDS	YES	TEMPERATURE WITHIN SPECIFICATION YES
TEMPORARY VENTS AND DRAINS INSPECTED	YES	HYDRO EQUIPMENT AND GAGES INSPECTED YES
TEST PLUGS INSPECTED AND SECURED	YES	OPERATORS PROPERLY INSTRUCTED YES
INSTUMENTATION BLOCKED OR REMOVED	YES	BARRICADES IN PLACE YES
VALVES IN THE RIGHT POSITION (OPEN/CLOSED)	YES	AREA CLEARED OF PERSONEL YES
TEST MEDIUM WITHIN SPECIFICATION	YES	
QUALITY CONTROL SIGNATURE		DATE
PRESSURE TEST DURATION 4 HOURS	DATE OF TEST 11/02/2010	AMBIENT TEMP. 74 F
		START 9:32 AM
		FINISH 3:17 PM
COMMENTS (TO INCLUDE GAUGE NUMBER AND CALIBRATION DATE)		
PIPING PASSED TESTING GAUGE #: 45-1279 #1 CALIBRATION: 10/15/10		
	Inspected by	Witnessed by
COMPANY	WGS - Pat Collins	WGS - Reed Cavin
SIGNATURE		
PRINT NAME		
DATE	11/02/2010	11/02/2010
POST HYDRO RESTORATION		
HYDRO BLOWN DOWN & DRY	N/A	CONTROL & CHECK VALVES INSTALLED YES
HYDRO BLINDS PULLED	YES	HIGH POINT PLUGS SEAL WELDED & INSPECTED N/A
PROPER GASKETS INSTALLED	YES	NDE ON PLUG SEAL WELDS COMPLETE N/A
PROPER BOLTING & TIGHTNESS	YES	DRAIN / VENT VALVES CLOSED & PLUGGED YES
	Inspected by	Witnessed by
COMPANY	WGS - Pat Collins	WGS - Reed Cavin
SIGNATURE		
PRINT NAME		
DATE		



WILLBROS GOVERNMENT SERVICES (U.S.), LLC

A WILLBROS COMPANY

Pressure Test Certificate

PROJECT N62583-09-D-0132/0003	LOCATION TANK TK5	JOB NUMBER 54118
CONTRACTOR WILLBROS GOVERNMENT SERVICES	P & ID No.	
SERVICE NORMAL - ASME B31.3		N/A
TEST PACK NUMBER. TANK 5 20"/32" INLETPIPING	DRAWING No.	NONE
SYSTEM NUMBER		
MARK No. N/A	ISO No.	
LINE No.		N/A
INTEGRITY TEST 20"/32" INLET PIPING		N/A
LINE SPECIFICATION JP-8	TEST MEDIUM WATER	
DESIGN PRESSURE (MAWP) 100 PSI	TEST PRESSURE 150 PSI	
STRESS RELIEVED YES NO	INTERNAL LINING YES NO	
ALL PRE-TEST NDE COMPLETE AND ACCEPTED	SIGNATURE	DATE
MATERIAL RECORDS COMPLETE	SIGNATURE	DATE
WELDING HISTORY RECORDS COMPLETE	SIGNATURE	DATE
PRE-TEST INSPECTION	FOREMAN SIGNATURE	DATE
WELDING OF PRESSURE PARTS COMPLETE	N/A	SYSTEM FILLED AND PURGED OF AIR YES
PROPER GASKETS, BOLTS AND BLINDS	YES	TEMPERATURE WITHIN SPECIFICATION YES
TEMPORARY VENTS AND DRAINS INSPECTED	YES	HYDRO EQUIPMENT AND GAGES INSPECTED YES
TEST PLUGS INSPECTED AND SECURED	YES	OPERATORS PROPERLY INSTRUCTED YES
INSTRUMENTATION BLOCKED OR REMOVED	YES	BARRICADES IN PLACE YES
VALVES IN THE RIGHT POSITION (OPEN/CLOSED)	YES	AREA CLEARED OF PERSONEL YES
TEST MEDIUM WITHIN SPECIFICATION	YES	
QUALITY CONTROL SIGNATURE		DATE
PRESSURE TEST DURATION 4 HOURS	DATE OF TEST 11/06/2010	AMBIENT TEMP. 74 F
		START 8:10 AM
		FINISH 6:12 PM
COMMENTS (TO INCLUDE GAUGE NUMBER AND CALIBRATION DATE) PIPING PASSED TESTING GAUGE #: 45-1279 #1 CALIBRATION: 10/15/10		
	Inspected by	Witnessed by
COMPANY	WGS - Pat Collins	WGS - Reed Cavin
SIGNATURE		
PRINT NAME		
DATE	11/06/2010	11/06/2010
POST HYDRO RESTORATION		
HYDRO BLOWN DOWN & DRY	N/A	CONTROL & CHECK VALVES INSTALLED YES
HYDRO BLINDS PULLED	YES	HIGH POINT PLUGS SEAL WELDED & INSPECTED N/A
PROPER GASKETS INSTALLED	YES	NDE ON PLUG SEAL WELDS COMPLETE N/A
PROPER BOLTING & TIGHTNESS	YES	DRAIN / VENT VALVES CLOSED & PLUGGED YES
	Inspected by	Witnessed by
COMPANY	WGS - Pat Collins	WGS - Reed Cavin
SIGNATURE		
PRINT NAME		
DATE		



Certificate of Calibration

Traceability/Job No
109320.001

Prepared For **WILLBROS GOVERNMENT SERVICES**

99-2500 HALWA VALLEY ST
AIEA, HI 96701

P.O. No: VERBAL CASEY/SALES
Data Req'd: Yes

Instrument Information

Inst Descrip: PRESSURE GAUGE	Calibration Site: IN SHOP	As Received	As Left
Manufacturer: ASHCROFT	Date Rec: 25-Apr-2013		
Model: 45-1279SS-04L-400#	Date of Cal: 25-Apr-2013	IN TOLERANCE	IN TOLERANCE
Serial No: 8966699	Next Cal Due: 25-Apr-2014	OPERATIONAL	OPERATIONAL
Cust ID No: 8966699	Procedure: 501491		FULL CAL
Accuracy: $\pm 0.5\%$ F.S.	Cal Result: PASS		NOT ADJUSTED
Remarks: SEE ATTACHED DATA SHEET.			

Calibration Standards Used

ID No	Model No	Manufacturer	Description	Serial No	Cal Date	Cal Due
F436	ST-2H	HEISE	CALIBRATOR	50055	25-Jan-2013	25-Jan-2014
F487	HQS-2	HEISE	PRESSURE MODULE	HQS-15614	05-Feb-2013	05-Feb-2014

Calibration Room Environment

Temperature: 70F/21.1C Relative Humidity: 49 % Barometric Pressure: N/A

This item meets published specifications. It has been calibrated using standards traceable to the National Institute of Standards and Technology. Alternatively, accuracies have been derived from accepted values of natural physical constants, or derived by the ratio type of self-calibration techniques. This certificate may be reproduced in full. Partial reproduction may be done only with written prior consent. All calibration activities are performed in compliance with ANSI/NCCL Z540.3-2006, ISO 10012, and MIL-STD-45662A.

FLW Service Corporation

5672 Bolsa Avenue
Huntington Beach, CA 92649
(800) 576-6308 Fax: (714) 622-2002

Issued On April 25, 2013 By:

Ygnacio Garcia, Technician

FORM P370-15.2 Mar 2012

**FLW Service Corporation**

5672 Bolsa Avenue
Huntington Beach, CA 92649
Ph: 714-751-7512 Fax: 714-755-7332
<http://www.flw.com>

Job/Traceability #: 109320.001

DATA REPORT

ID: 8966699

Date: 04/25/13

Unit of Measurement: PSI

Range: 0 to 400

UUT Accuracy: 0.5 % FS

UUT Resolution: 1 PSI

STANDARD READING PSI	UUT AS FOUND PSI	ERROR %		UUT AS LEFT PSI	ERROR %	
0	0	0.000	Pass	0	0.000	Pass
80	81	0.250	Pass	81	0.250	Pass
160	160	0.000	Pass	160	0.000	Pass
240	239	0.250	Pass	239	0.250	Pass
320	318	0.500	Pass	318	0.500	Pass
400	400	0.000	Pass	400	0.000	Pass

Remarks:

Data Taken By:

RD Technology of Hawaii

134 Nakolo Place
Honolulu, HI 96819
(808) 833-3499

Certificate of Calibration

Navy Lab Code 7RD

Willbros Government Services

Willbros Government Services

99-2500 Halawa Valley St.

Aiea HI 96701- (808) 352-0528

Ashcroft

Manufacturer

16531

Serial Number

06/07/2012

Calibration Date

06/07/2013

Recalibration Due

NAVAIR 17-20MP-06

Instrument Accuracy / Procedure

0-300 PSI

Model

Pressure Gauge

Description

112.776

Test Number**Asset Number**

23 °C

Temperature

43 % RH

Humidity

RD Technology of Hawaii certifies that the above listed instrument meets or exceeds all published specifications and has been calibrated using standards whose accuracies are traceable to the National Institute of Standards and Technology within the limitations of the Institutes calibration services, or have been derived from accepted values of natural physical constants, or have been by the ratio type of self-calibration techniques. Our "Calibration System Requirements" is in compliance with ANSI/NCCL Z540-1 standards.

Calibration Standards Used:

Equip #	Manufacturer	Description	Model	Serial	Date Calibrated	Date Due
10,009	DH Instruments	Pressure Control Calibrator	PPC2 AF	190	04/24/2012	04/24/2013

In Tolerance

Condition Received

In Tolerance

Condition Returned

RD Technology of Hawaii / DB

Certified By

This calibration document shall not be reproduced in part or full, without written approval of the issuer.

RD Technology of Hawaii

134 Nakolo Place
Honolulu, HI 96819
(808) 833-3499

Certificate of Calibration

Navy Lab Code 7RD

Willbros Government Services

Willbros Government Services

99-2500 Halawa Valley St.

Aiea HI 96701- (808) 352-0528

Ashcroft

Manufacturer

16567

Serial Number

06/21/2012

Calibration Date

06/21/2013

Recalibration Due

NAVAIR 17-20MP-06

Instrument Accuracy / Procedure

0-300 PSI

Model

Pressure Gauge

Description

112,896

Test Number**Asset Number**

25 °C

Temperature

45 % RH

Humidity

RD Technology of Hawaii certifies that the above listed instrument meets or exceeds all published specifications and has been calibrated using standards whose accuracies are traceable to the National Institute of Standards and Technology within the limitations of the Institutes calibration services, or have been derived from accepted values of natural physical constants, or have been by the ratio type of self-calibration techniques. Our "Calibration System Requirements" is in compliance with ANSI/NCSL Z540-1 standards

Calibration Standards Used:

Equip #	Manufacturer	Description	Model	Serial	Date Calibrated	Date Due
10,009	DH Instruments	Pressure Control Calibrator	PPC2 AF	190	04/24/2012	04/24/2013

In Tolerance

Condition Received

In Tolerance

Condition Returned

RD Technology of Hawaii / DB

Certified By

This calibration document shall not be reproduced in part or full, without written approval of the issuer.



Providing Solutions that People Trust

Caltrol, Inc.
91-110 Hanua Street
Kapolei, HI 96701
Ph 808-487-7717
Fax 808-488-3343

CALIBRATION CERTIFICATE

This is to certify that the following pressure instruments were checked at various pressure points for accuracy with a Keller LEO 1 Manometer SN: 14734, traceable to the National Institute of Standards and Technology, NIST and found to be within calibration specifications.

Date: October 15, 2010


Purchase order #: CC, Ann Manners

Customer: Willbros Government Services

Sale Order #: 398716

Ashcroft 45-1279SS-04L-300 0-300# PSI Gauge #2

<u>Actual:</u>	<u>Up scale reading:</u>	<u>Down scale reading:</u>
50 psig	49.5 psig	49.6 psig
100 psig	101.2 psig	101.2 psig
150 psig	152 psig	152 psig
200 psig	202.2 psig	202 psig
250 psig	252.2 psig	252.4 psig


Authorized Signature
Shaun Ferguson



Providing Solutions that People Trust

Caltrol, Inc.
91-110 Hanua Street
Kapolei, HI 96701
Ph 808-487-7717
Fax 808-488-3343

CALIBRATION CERTIFICATE

This is to certify that the following pressure instruments were checked at various pressure points for accuracy with a Keller LEO 1 Manometer SN: 14734, traceable to the National Institute of Standards and Technology, NIST and found to be within calibration specifications.

Date: October 15, 2010

Purchase order #: CC, Ann Manners

Customer: Willbros Government Services

Sale Order #: 398716

Ashcroft 45-1279SS-04L-300 0-300# PSI Gauge #1

<u>Actual:</u>	<u>Up scale reading:</u>	<u>Down scale reading:</u>
50 psig	50.5 psig	50.6 psig
100 psig	100.7 psig	100.2 psig
150 psig	151.2 psig	150.7 psig
200 psig	201.9 psig	202 psig
250 psig	251.9 psig	252.2 psig


Authorized Signature
Shaun Ferguson



Certificate of Calibration

Traceability Job No
108644.001

Prepared For: WILLBROS GOVERNMENT SERVICES
99-2500 HALWA VALLEY ST
AIEA, HI 96701

P.O. No: 54118-641/SALES
Data Req'd: Yes

Instrument Information

Inst Descrip: PRESSURE GAUGE	Calibration Site: IN SHOP	As Received	As Left
Manufacturer: ASHCROFT	Date Rec: 15-Nov-2012		
Model: 45-1279SS-04L-300#	Date of Cal: 15-Nov-2012	IN TOLERANCE	IN TOLERANCE
Serial No: 8966476	Next Cal Due: 15-Nov-2013	OPERATIONAL	OPERATIONAL
Cust ID No: 8966476	Procedure: S01491		FULL CAL
Accuracy: $\pm 0.5\%$ F.S.	Cal Result: PASS		NOT ADJUSTED
Remarks: SEE ATTACHED DATA SHEET			

Calibration Standards Used

ID No	Model No	Manufacturer	Description	Serial No	Cal Date	Cal Due
F486	PTE-1 / FM	HEISE	PRESSURE CALIBRATOR	9999	18-Jan-2012	18-Jan-2013
F447	HQS-2	HEISE	PRESSURE MODULE	HQS-29535	17-May-2012	17-May-2013

Calibration Room Environment

Temperature: 72F/22.2C Relative Humidity: 42 % Barometric Pressure: N/A

This item meets published specifications. It has been calibrated using standards traceable to the National Institute of Standards and Technology. Alternatively, accuracies have been derived from accepted values of natural physical constants, or derived by the ratio type of self-calibration techniques. This certificate may be reproduced in full. Partial reproduction may be done only with written prior consent. All calibration activities are performed in compliance with ANSI/NCCL Z540.3-2006, ISO 10012, and MIL-STD-45662A.

FLW Service Corporation

5672 Bolsa Avenue
Huntington Beach, CA 92649
(800) 576-6308 Fax: (714) 622-2002

Issued On November 15, 2012 By:


Yovacio Garcia, Technician

FORM P370-15 2 Mar 2012



FLW Service Corporation

5672 Bolsa Avenue
Huntington Beach, CA 92649
Ph: 714-751-7512 Fax: 714-755-7332
<http://www.flw.com>

Job/Traceability #: 108644-001

DATA REPORT

ID: 8966476

Date: 11/15/12

Unit of Measurement: PSI

Range: 0 to 300

UUT Accuracy: 0.5 % FS

UUT Resolution: 0.1 PSI

STANDARD READING PSI	UUT AS FOUND PSI	ERROR %		UUT AS LEFT PSI	ERROR %	
0	0.0	0.000	Pass	0.0	0.000	Pass
60	60.1	0.033	Pass	60.1	0.033	Pass
120	120.0	0.000	Pass	120.0	0.000	Pass
180	180.0	0.000	Pass	180.0	0.000	Pass
240	240.0	0.000	Pass	240.0	0.000	Pass
300	300.0	0.000	Pass	300.0	0.000	Pass

Remarks: _____

Data Taken By: Y. Garcia

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1 CONTRACT ID CODE J		PAGE OF PAGES 1 19	
2 AMENDMENT/MODIFICATION NO 09		3 EFFECTIVE DATE 15-Dec-2011		4 REQUISITION/PURCHASE REQ NO ACQR1305421		5 PROJECT NO (If applicable)	
6 ISSUED BY NAVAL FACILITIES ENGINEERING COMMAND SPECIALTY CENTER ACQUISITIONS NAVFAC CODE AQ00/NAVAL BASE VENTURA COUNTY 1100 23RD AVE BLDG 1100 PORT HUENEME CA 93043-4347		CODE N62583		7 ADMINISTERED BY (If other than item 6) See Item 6		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) WILLBROS GOVERNMENT SERVICES (U.S.), LLC ██████████ 2087 E 71ST ST STE 101 TULSA OK 74136-5462				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. N62583-09-D-0132-0003			
				X 10B. DATED (SEE ITEM 13) 13-Jan-2010			
CODE 1KPK4		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 43.103(a)(3)							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: brooksa12153 The purpose of this supplemental modification is to increase the level of effort and to provide additional funding in order to perform all mandatory repairs on Tank 5 in accordance with the Statement of Work. Acceptance of this modification by the Contractor constitutes an accord and satisfaction and represents payment in full for both time and money and for any and all costs, impact effect, and for delays and disruptions arising out of, or incidental to, the work as herein revised. Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) MARIA R. MILLER / CONTRACTS TEL: 805-982-2515 EMAIL: maria.miller@navymil			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY ██████████ (Signature of Contracting Officer)		16C. DATE SIGNED 22-Dec-2011	

EXCEPTION TO SF 30
APPROVED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

The following have been added by full text:

In accordance with contract clause 52.243-4 "Changes (JUN 2007)", as negotiated between the Contractor and the Government, the Contractor is hereby to provide all labor, materials, equipment, supervision, inspection, and related work necessary to perform the following additional work as provided in the Statement of Work and as outlined in the following Contractor RFIs:

<input type="checkbox"/> RFI #07: Refurbish isolation and skin valves, dated 20 OCT 2010	\$34,463.00
<input type="checkbox"/> RFI #08: Install Datum Plate, dated 20 OCT 2010	\$1,550.00
<input type="checkbox"/> RFI #22: Immediate Repairs, dated 20 OCT 2010	\$291,798.39
<input type="checkbox"/> RFI #22: Short Term Repairs, dated 07 JAN 2011	\$353,895.46
<input type="checkbox"/> RFI #22: Long Term Repairs, dated 07 JAN 2011	\$294,025.97
<input type="checkbox"/> RFI #23: Preparation and Coating, dated 03 FEB 2011	\$1,021,333.22
<input type="checkbox"/> RFI #26: Remove and Replace Sample Lines, dated 31 MAR 2011	\$51,806.72

Total Cost: \$2,048,872.76

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by \$2,048,872.76 from \$4,608,288.92 to \$6,657,161.68.

SECTION B - SUPPLIES OR SERVICES AND PRICES

CLIN 0001

The pricing detail quantity has increased by 2,048,872.76 from 4,608,288.92 to 6,657,161.68.

The total cost of this line item has increased by \$2,048,872.76 from \$4,608,288.92 to \$6,657,161.68.

SUBCLIN 000105 is added as follows:

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
000105		UNDEFINED		UNDEFINED	\$0.00

FOB: Destination

	MAX NET AMT	\$0.00
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		\$2,048,872.76
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SECTION C - DESCRIPTIONS AND SPECIFICATIONS

The following have been added by full text:

NEW TASKING

STATEMENT OF WORK ENGINEERING SERVICES POST API 653 INSPECTION REPAIR OF RED HILL TANK 5 NAVSUP FLC PEARL HARBOR PEARL HARBOR, OAHU, HAWAII

1.0 INTRODUCTION

1.1 LOCATION

The work is located at the Red Hill Underground Fuel Storage Facility, Naval Supply Fleet Logistics Center (NAVSUP FLC), Pearl Harbor, Hawaii.

1.2 DESCRIPTION OF WORK

The work includes all mandatory, short term, long term repairs recommended from the modified out of service API 653 inspection report for Red Hill Tank 5. Also included are the additional repairs listed in section 4.1.1. The major repair entails patch plate repairs and weld repairs of suspected thin spots, hollow spots, refurbish skin valves, and new coating system for lower dome. The Contractor shall provide all facilities, labor, transportation, equipment, tools, materials, incidentals, supervision and inspection necessary to perform the work.

1.3 FACILITY DESCRIPTION

The Red Hill Underground Fuel Storage Facility is located on the Island of Oahu, Hawaii. The Red Hill Underground Fuel Storage Facility consists of multiple underground storage tanks constructed in 1942-1943. The Red Hill Tanks have a coated welded steel liner backed up by concrete which bears against the solid rock from which the Tanks were carved. Each tank's nominal capacity is 302,000 barrels, and the

entire facility is capable of holding up to 252 million gallons of three different products, JP-5, JP-8 and F-76. The facility is used to store fuel in support of military operation on Oahu, in the mid-Pacific area and other area as required. The configuration of these vertical cylindrical tanks is 100 feet in diameter and 250 feet in height. The tank is domed on the lower and upper ends. Access to the Tanks is provided by an upper access tunnel 190 feet above the tank bottoms and a lower access tunnel just below the tank bottoms. Both upper and lower access tunnels are located between the two rows of ten (10) tanks. The lower tunnel extends over three miles to Pumphouse 59 at Kuahua and contains three fuel lines. And there are three entrances to the Harbor Tunnel – at the Underground Pump House (Adit 1), at Makalapa Adit 2, and the Red Hill Complex Tankage (Adit 3, Adit 4 and Adit 5).

1.4 OPERATIONS

The Red Hill Tanks are under the control of NAVSUP FLC Pearl Harbor. NAVSUP FLC Pearl Harbor personnel perform operation, patrol, and maintenance of the Red Hill Facility including the tanks. NAVSUP FLC Pearl Harbor will provide personnel and equipment needed to operate the tanks when previously notified by the Contractor. At no time shall the Contractor operate the tanks or any other government equipment, unless given prior approval from the Government fuels manager.

1.5 BACKGROUND

Tank 5 was constructed in 1942. It was converted from storage of Navy Distillate to JP-5 in 1974. Last time cleaning was performed in 2010 and inspected under modified API 653 in Nov 2010.

2.0 SCOPE

2.1 GENERAL

The Contractor shall provide the necessary qualified personnel, equipment and materials to perform all of the following work concerning repair of Tank 5.

2.2 WORK TO BE ACCOMPLISHED

Work under this Contract includes API 653 recommended (immediate, short term, and long term) and other repairs for Red Hill Tank 5. This work shall include, but not be limited to:

- a. Develop Work Plan, including detail coating plan, to perform the Work. An addendum to the current Work Plan is acceptable.
- b. Develop and Submit submittals as required by the approved Work Plan
- c. Develop Health and Safety Plan to perform the Work. An addendum to the current Health and Safety Plan is acceptable.
- d. Develop Environmental Protection Plan which shall include Hazardous Waste Disposal Plan. An Addendum to the current Environmental Protection Plan is acceptable.
- e. Perform required Work in accordance with the approved Work Plan. Detail of how to accomplish the work shall be determined by the Contractor, and the approved Work Plan shall include the sequence of work items to accomplish the work items listed on SOW.
- f. Any repair recommended in the inspection report shall be performed.
- g. Any additional repair as outlined further in section 4.0 shall be performed.
- h. Post-repair inspection shall be performed to serviceability statement.

These tasks are further specified in paragraphs 4.0 and 5.0.

3.0 GOVERNMENT FURNISHED INFORMATION (GFI) AND MATERIALS (GFM)

3.1 GOVERNMENT FURNISHED INFORMATION

a. N/A

3.2 GOVERNMENT FURNISHED MATERIAL

a. N/A

4.0 ENGINEERING SERVICES**4.1 PRE ON-SITE WORK DOCUMENTATION****4.1.1 Work Plan**

a. Prior to performing the cleaning/inspection to Tank 5, as listed in Paragraph 2.2, the Contractor shall prepare a Work Plan. The Work Plan shall include, but not limited to:

- (1) Scope of Work & Procedures
- (2) Detailed Work Schedule
- (3) Subcontractors
- (4) Responsibilities of all parties
- (5) Required Permitting
- (6) Applicable Unified Facilities Guide Specifications and API Standards and Recommended Practice (RP), to include, but not limited to:
 - i. 01 11 00 (01110) Summary of Work
 - ii. 01 14 00 (01140) Work Restrictions
 - iii. 01 32 16.00 20 (01320) Construction Progress Documentation
 - iv. 01 33 00 (01330) Submittal Procedures
 - v. 01 45 00.00 20 (01450) Construction Quality Control
 - vi. 01 35 29 (01525) Safety Requirements
 - vii. 02 41 00 (02220) Demolition
 - viii. 23 14 00 (15996) Commissioning of Fuel Facility Systems
 - ix. 13219N Cleaning Petroleum Storage Tanks
 - x. 09 07 13.15 Epoxy/Fluoropolyurethane Interior Coatings of Welded Steel Petroleum Fuel Tanks
 - xi. 09 97 13.27 Exterior Coating of Steel Structures
 - xii. API 650 Welded Steel Tanks for Oil Storage
 - xiii. API 653 Tank Inspection, Repair, Alteration, and Reconstruction
 - xiv. API 2015 Safe Entry and Cleaning of Petroleum Storage Tanks
 - xv. API RP 2016 Guidelines and Procedures for Entering and Cleaning Petroleum Storage Tanks
 - xvi. API RP 651 Cathodic Protection of Aboveground Petroleum Storage Tanks
 - xvii. SNT-TC-1A Personnel Qualification and Certification in Nondestructive Testing
 - xviii. API MPMS Manual of Petroleum Measurement Standards Chapter 2 – Tank Calibration
 - xix. NACE Recommended Practice, RP 0169 Control of External Corrosion on Underground or Submerged Metallic Piping Systems
 - xx. NACE Recommended Practice, RP0184-97 Repair of Lining Systems
 - xxi. NACE Recommended Practice, RP0193 External Cathodic Protection of On-Grade Carbon Steel Storage Tank Bottoms
 - xxii. NACE Recommended Practice, RP0288-94, Inspection of Linings on Steel and Concrete
- (7) Transportation of Material and Equipment (including to location of work)
- (8) Mobilization and Demobilization

(9) Submittal Register

- b. The Work Plan shall incorporate all Local, State, and Federal regulations.
- c. Tank 5 has been remained empty since the last out-of-service API 653 inspection in November 2010. No cleaning is required. However, ventilation/degassing and gas free certification of Tank 5 prior to start any work inside of the tank shall be in accordance with API Standard 2015 and RP 2016 as required. The Contractor shall maintain a vapor-free condition throughout the project period, inside of the tank. Before tank repair operations begin and before workers enter the tank, the Contractors shall develop and implement written tank entry programs, including a Confined Space Program.
- d. Perform following repairs in accordance to API 650, 653, UFGS 09 97 13.15 and UFC 3-460-03.
- i. Perform welding repairs on 138 locations identified with weld flaws.
 - ii. Perform 6" patch plate repairs on 532 locations identified with holes, gouges, or pits.
 - iii. Perform 12" patch plate repairs on 36 locations identified with corrosion or pits.
 - iv. Perform 24" patch plate repairs on 3 locations identified with corrosion or pits.
 - v. Perform 20" x 37" patch plate repair at 1 location identified with corrosion or pits.
 - vi. Minimum preparation work shall be required for welding patch plates on all locations. After requested repairs, all required NDTs shall be performed, including vacuum box test and MT. NDE personnel shall be certified in accordance with ASME B31.3
 - vii. Remove and replace all interior and exterior sample lines. New interior sample tubes shall be installed along the tank center tower. The end of those sample tubes in the lower access tunnel shall be isolated with skin valves and be of similar configuration to the updated sampling systems on other tanks. The updated sampling stations shall include the installation of a funnel return system (provided by others). The new piping shall have pipe tracing, as-built documentation, and permanent labeling at the sample station. The system shall be hydrotested to 1.5 MAOP. All required NDT's shall be performed after required repairs. NDE personnel shall be certified in accordance with ASME B31.3
 - viii. Install new datum plate with ½"-thick CS plate on the bottom of Tank 5. Dimension and location shall be determined at the site to accommodate the existing MTG probe and potential future automatic tank gauging system. All required NDTs shall be performed after required repairs. NDE personnel shall be certified in accordance with ASME B31.3
 - ix. Replace 6" slop line with new 4" flexible line from tank bottom to the isolation skin valve in lower access tunnel.
 - x. Clean, refurbish, and re-coat 20" Double Block and Bleed Valve. The valve shall be refurbished as required by Manufacturer standards. Once completed the valve shall be hydrotested to 1.5 times the flange class rating. Results shall be included in tank completion report and provided upon request.
 - xi. Clean, refurbish, and re-coat 12" Double Block and Bleed Valve. The valve shall be refurbished as required by Manufacturer standards. Once completed the valve shall be hydrotested to 1.5 times the flange class rating. Results shall be included in tank completion report and provided upon request.
 - xii. Clean, refurbish, and re-coat 6" Double Block and Bleed Valve. The valve shall be refurbished as required by Manufacturer standards. Once completed the valve shall be hydrotested to 1.5 times the flange class rating. Results shall be included in tank completion report and provided upon request.
 - xiii. Clean, refurbish, and re-coat 12" Ball Valve. The valve shall be refurbished as required by Manufacturer standards. Once completed the valve shall be hydrotested to 1.5 times the flange class rating. Results shall be included in tank completion report and provided upon request.
 - xiv. Remove existing coating from the lower to accommodate new coating system. The coating shall be removed and the surface to be prepared to minimum SSPC SP 10 level. Submit

documentation that the blaster is qualified by SSPC to the SSPC C-7 Dry Abrasive Blaster Qualification Program.

- xv. Current coating samples shall be collected and tested for any hazardous content. Abrasive blasting procedure must be determined based on the test result.
 - xvi. New coating system shall be applied to lower dome up to 36" above the spring/expansion joint. Coating procedure shall be in accordance to UFGS 09 97 13.15. All coating material submittal shall be submitted to the government for review and approval prior to any issuance of purchase order. Minimum qualification requirements for coating contractor include SSPC QP-1 certification and verifiable previous coating application experience in steel tank with fluoropolyurethane coating material. All relevant qualifications of coating contractor shall be submitted to the government for review and approval.
 - xvii. Humidity control unit may not be required for this coating application. It is the Contractor's responsibility to prove that the interior condition of Tank 5 can remain under the manufacturer's recommended relative humidity level inside the tank.
 - xviii. Level III inspector from a SSPC QP-5 certified coating Inspection Company shall be hired to perform blasting and coating application inspection. All qualifications of the company and individual inspector shall be submitted to the government for review and approval.
 - xix. If conventional abrasive blasting method is employed, disposal of used abrasive blast material shall be done in accordance to all local, state and federal regulations. Disposal issue shall be addressed in waste management plan under Environmental Protection Plan.
 - xx. Abrasive blasting is considered as hot work. The contractor is responsible to obtain all necessary permits prior to any abrasive blasting work. Refer section 5.2 b
- e. Center tower has been inspected by a licensed structural engineer and was repaired based on the structural engineer's assessment recommendations. Inspection report and repair report shall be available upon request.
- f. The Government will provide train assistance at their discretion to a maximum of four hours on any work day in the Lower Access Tunnel only. **Train support shall only be provided during standard Government work hours of 8 am to 4 pm, Monday thru Friday.** The Contractor shall notify the Government no less than one (1) day in advance of the time and location that the contractor requires the train support. All loading, unloading and securing of material onto flat beds shall be the Contractor's responsibility. Contractor retains responsibility for all items during Government transport.
- g. Any hazardous material collected shall be disposed of off-base. The Contractor is to provide a Hazardous Waste Manifest or Waste Shipment Record of all material removed from Tank 5 to on-base authority. A copy of the manifest or record shall be provided to Region Environmental on as necessary.
- h. The Work Plan's format shall be in accordance with paragraph 8.0 and submitted in accordance with paragraph 9.0 for Government Review and Approval.
- i. No work is to start on-site prior to review and approval by the Government for this Document.
- j. New strapping table will be prepared under previous clean/inspection contract.
- k. Post repair inspection shall be performed by a certified API 653 inspector. Statement for serviceability shall be submitted in two working days after post repair inspection.

4.1.2 Health and Safety Plan

- a. The Contractor shall submit a Health and Safety Plan detailing such items as briefings, training, hazard control, general housekeeping, protective equipment, etc.

- b. The Health and Safety Plan shall be in accordance with EM 385-1-1, and follow the outline provided in Appendix A: Minimum Basic Outline for Accident Prevention.
- c. The Health and Safety Plan shall incorporate the Safety Plans from all subcontractors.
- d. The Health and Safety Plan's format shall be in accordance with paragraph 8.0 and submitted in accordance with paragraph 9.0 for Government Review and Approval.
- e. No work is to start on-site prior to review and approval by the Government for this Document.

4.1.3 Environmental Protection Plan and Hazardous Waste Disposal Plan

- a. The Contractor shall submit a Environmental Protection Plan and Hazardous Waste Disposal Plan detailing such items as hazard control, storing, transporting,, disposal, spill prevention, containment, clean-up contingency measures, and etc.
- b. The Hazardous Waste Disposal Plan shall comply with applicable requirements of Federal, State, and local hazardous waste regulations.
- c. The Environmental Protection Plan and Health and Safety Plan's format shall be in accordance with paragraph 8.0 and submitted in accordance with paragraph 9.0 for Government Review and Approval.
- d. No work is to start on-site prior to review and approval by the Government for this Document.

4.2 POST ON-SITE WORK DOCUMENTATION

4.2.1 Construction Certification Report

- a. The Contractor shall provide a written Construction Certification Report, detailing the following: inspection that was done, all applicable test records and reports, and list of all materials incorporated and records.
- b. The Construction Certification report shall include all permits and reports required, NDT results, vendor purchased equipment certification (to include serial and model number), and all relevant maintenance manuals.
- c. The Construction Certification Report shall also contain the as-built drawings indicating the locations and type of repair.
- d. This Report shall be generated while the work is being performed. The Construction Certification Report's format shall be in accordance with paragraph 8.0 and submitted in accordance with paragraph 9.0 for Government Review.

5.0 ON-SITE SERVICES

5.1 CONSTRUCTION IMPLEMENTATION

- a. The Contractor shall provide all equipment, personnel and material necessary, and perform the Work listed in paragraph 2.2, per the plans developed in paragraph 4.1.1, 4.1.2 and 4.1.3 above.
- b. Prior to Demobilizing, the Contractor shall provide a statement certifying that the tanks can be placed back into active fuel service. The Contractor shall observe the tank being put back into service. The Contractor shall stand by until the fuel level reaches full capacity of tank. When the tanks are filled to their

normal operating levels, the Contractor shall be responsible for weeps or operation of MOVs. The Contractor shall be responsible for any damage caused to the system due to debris left in the tank during inspection.

5.2 PERMITS

- a. The Contractor shall obtain all Federal, State, Local, and EPA permits required for all work that is to be done on the Tanks.
- b. The Contractor shall obtain a Hot Work Permit from Federal Fire Department for all Hot Work that is to be performed on the tanks. The FFD will require the Contractor to obtain the service of a Marine Chemist to certify the area for hot work. Contractor shall be responsible for his own fire watches. The contractor shall provide a fire watch for each hot work operation who will remain in clear view of the hot work at all time and close enough to provide emergency aid if needed. Sand blasting is considered hot work which requires a Marine Chemist to certify the areas before work is started.

NOTE: The Contractor shall identify permits required for all work that is planned on the tanks. Completed permits will have to be coordinated with FLC Pearl Harbor and/or local NAVFAC for a final determination.

5.3 SUBCONTRACTORS AND PERSONNEL

- a. The Contractor shall employ professionally and technically qualified personnel to perform the tasks and ensure the quality of services meet the standards specified. The subcontractor shall have the following qualifications but not limited to;
 - a. Successfully accomplished similar tank repair/coating work within in five years.
 - b. Submit evidence that the Contractor/subcontractor's project manager, superintendent, foreman, quality control manager, and other key personnel have previous experience in similar work in tank reconstruction.
- b. Non-destructive examination Inspector Qualifications: Submit certification that inspection and non-destructive testing personnel, including inspectors performing visual inspections, and qualified in accordance with the requirements of API 650 and ASNT SNT-TC-1A for Level II in the applicable non-destructive testing method. And AWS certified weld inspector, qualified in accordance with AWS QC 1, shall be considered qualified to perform visual inspections only, in lieu of an ASNT Level II visual inspector.
- c. Furnish a list of contact personnel of the Contractor and subcontractors including addresses and telephone numbers for use in the event of an emergency. As changes occur and additional information becomes available, correct and change the information contained in the previous lists.
- d. The Contractor employees and representatives performing work under this contract are required to be United States citizens.
- e. Identification badges, if required, will be furnished. The Contractor shall apply for and use the identification badges as directed. The Contractor shall immediately report instances of lost or stolen badges to the Contracting Officer. Refer section 5.4 Contractor Access and Use of Premises.
- f. Change and/or substitution of subcontractor approved on the Work Plan during execution of the project shall be requested through the Contracting Officer with providing proper proof of qualification of new subcontractors.

5.4 INSTALLATION ACCESS (GENERAL) AND USE OF PREMISES

5.4.1 Contractor/Subcontractor Pass and ID Requirements

- a. Each installation maintains specific pass / identification requirements. In general, installation access requests must be submitted to the NTR at least five (15) business days prior to arrival at Installation. Installation-specific Contractor / Subcontractor Pass and ID forms / information / requirements may be requested from the NTR. Contractor shall submit information for themselves and for their subcontractors. Contractor shall also be aware that additional Installation access regulations may be in effect for non-U.S. personnel and for use of rental vehicles or privately owned vehicles (POV's).
- b. Contractor shall understand that the process to obtain passes or ID's for Contractor or subcontractor personnel is not within the purview of NAVFAC ESC and may take up to 30 days or longer depending on specific military installation requirements and/or the individual's nationality or background.

5.4.2 Base Access (JBPHH Specific)

- a. Commander, Navy Installations Command (CNIC), has established the Navy Commercial Access Control System (NCACS), a standardized process for granting unescorted access privileges to vendors, contractors, suppliers and service providers not otherwise entitled to the issuance of a Common Access Card (CAC) who seek access to and can provide justification to enter Navy installations and facilities. Visiting vendors may obtain daily passes directly from the individual Navy installations by submitting identification credentials for verification and undergoing a criminal screening/ background check. Alternatively, if the vendor so chooses, it may voluntarily elect to obtain long-term credentials through enrollment, registration, background vetting, screening, issuance of credentials, and electronic validation of credentials at its own cost through a designated independent contractor NCACS service provider. Credentials will be issued every five years and access privileges will be reviewed/renewed on an annual basis. The costs incurred to obtain Navy installation access of any kind are not reimbursable, and the price(s) paid for obtaining long-term NCACS credentials will not be approved as a direct cost of this contract. Further information regarding NCACS can be found at http://cnic.navy.mil/CNIC_HQ_Site/index.htm (under "Popular Links").
- b. Normal process time for base access is approximately 4 weeks.
- c. The contractor and the subcontractors may also be required to submit a signed personnel and vehicle access request form to a designated NAVFAC HI FEAD contract specialist along with transmittal letter, and copy of certificate of liability insurance
- d. Any personnel request from out of the State of Hawaii shall be submitted in a separate request package, if requested by NAVFAC.
- e. A NAVFAC ESC representative may not be available at all times to sponsoring the issuance of daily badges. Contractors must submit the requests for a daily badge at least one week in advance. The Government is not responsible for any resulting delays due to the lack of sponsorship for daily badges.

5.4.3 NAVSUP FLC/Red Hill Access

- a. The contractor and the subcontractors shall submit a Contractor Verification System Form (CVS) to a designated Government Employee. The request shall include name, address, SS#, place of birth, and citizenship.
- b. The contractor and the subcontractors will be notified to provide three other supporting documents, a completed SF85, SF85P, or SF86, fingerprints, and proof of US Citizenship, to the Designated

Security Office. Once there is confirmation of no issues with the fingerprints and an OPM investigation has begun processing, a temporary NAVSUP FLC access badge will be issued.

- c. The SF85, SF85P, or SF86 will be processed by OPM with approximately 4 months of process time. A “No Determination” or “Unfavorable” result of the OPM investigation based off the SF85, SF85P, or SF86 could result in the revocation of the temporary NAVSUP FLC access badge. Revocation of such badge will further deny access to the NAVSUP FLC fuel facility.
- d. Upon issuance of the NAVSUP FLC fuels access badge, the badge must be activated via the Supply Information System Analyst at NAVSUP FLC Pearl Harbor. For Red Hill access a recent photo of each person is required. A digital photo will be acceptable.

5.4.4 Restrictions

- a. The Red Hill Underground Fuel Storage Facility is secured area for 24/7. All access gates to Red Hill are controlled by Base Security Force. The Contractor and the subcontractors shall obtain access to Red Hill through the procedure described in Section 5.4.2.
- b. **Work Hours: Regular working hours shall consist of a period established by the Contracting Officer between 0700 hours and 1600 hours, Monday through Friday, excluding Government holidays. Working outside regular working hours requires Contracting Officer approval. Working extended hours will be only authorized under task driven reasons.**

5.4.5 Work Outside Regular Hours

Work outside regular working hours requires Contracting Officer approval. Provide written requests ten (10) calendar days prior to such work to allow arrangements to be made by the Government for inspecting the work in progress. During periods of darkness, the different parts of the work shall be lighted in a manner approved by the Contracting Officer.

5.4.6 Utility Cutovers and Interruptions

Make utility cutovers and interruptions after normal working hours or on Saturdays, Sundays, and Government holidays. Conform to procedures required in paragraph 5.5.3.

5.5 EQUIPMENT AND MATERIAL

5.5.1 List of Equipment and Materials

- a. The contractor shall provide all equipment required to perform clean/inspection.
- b. Materials shall be of US manufacture. **NO FOREIGN** materials will be used without prior notice to and approval from the Contracting Officer.

5.5.2 Shipment of Equipment and Materials

Contractor shall notify Installation at least three (3) days in advance regarding delivery of all materials and equipment. All shipping, loading, unloading and securing of materials and equipment shall be Contractor's responsibility. The contractor may utilize the area outside of Adits 3 and 4 for equipment laydown and onsite storage. Contractor retains responsibility for all items through project completion, including the security of all materials and equipment.

5.6 OTHER CONTROLS

5.6.1 Utilities

The Contractor shall provide all utilities, including power, compressed air and potable water.

5.6.2 Temporary Sanitary Facilities

Provide adequate sanitary conveniences of a type approved for the use of persons employed on the work, properly secluded from public observation, and maintained in such a manner as required and approved by the Contracting Officer. Maintain these conveniences at all times without nuisance. Upon completion of the work, remove the conveniences from the premises, leaving the premises clean and free from nuisance. Dispose of sewage through connection to a municipal, district, or station sanitary sewage system. Where such systems are not available, use chemical toilets or comparably effective units, and periodically empty wastes into a municipal, district, or station sanitary sewage system, or remove waste to a commercial facility. Include provisions for pest control and elimination of odors.

5.6.3 Storage Areas

The contractor shall be responsible for security of his property.

5.6.4 Waste Disposal

Contractor shall be responsible for packaging, transporting, and disposing of all waste using an approved off-base waste disposal company. Contractor shall dispose of all waste as hazardous waste, unless appropriate testing shows that the waste can be disposed of as non-hazardous waste by other approved means. Hazardous waste shall be disposed according to Hazardous Waste Disposal Plan/Environmental Plan. The work site shall be kept clean of all debris and garbage.

Contractor shall manifest all waste and shall coordinate with the Installation's environmental department, as required, to ensure that all waste is properly accounted for and disposed of.

5.6.5 Interruption of Vehicular Traffic

If during the performance of work, it becomes necessary to modify vehicular traffic patterns at any locations, notify the Contracting Officer at least 15 calendar days prior to the proposed modification date, and provide a Traffic Control Plan detailing the proposed controls to traffic movement for approval. The plan shall be in accordance with State and local. Make all notifications and obtain any permits required for modification to traffic movements outside Station's jurisdiction. Provide cones, signs, barricades, lights, or other traffic control devices and personnel required to control traffic. Do not use foil-backed material for temporary pavement marking because of its potential to conduct electricity during accidents involving downed power lines.

6.0 MEETINGS**6.1 GENERAL**

a. The Contractor shall schedule and conduct the following meetings for the purpose of transferring information between the Contractor and Government personnel. These meetings will be at an agreed upon time (TBD) between the Government and the Contractor. The Contractor shall submit minutes of these meetings in accordance with paragraph 9.0.

b. The Contractor shall submit the following information for all personnel, one week prior to arriving on-site: Full Name with middle initial, SSN, Date of Birth, Driver's License Number and State of Issuance, Company name, address, phone number, date of arrival, and date of departure. Anyone arriving at FLC

Pearl Harbor without submitting this information and who cannot produce a valid picture ID will not be allowed onto the facility.

6.2 SITE VISIT/WORK PLAN/QC PLAN MEETING

The Contractor shall conduct a site visit during the development of the Work Plan to obtain information required to complete the Work Plan. The QC Plan Meeting shall be included during this meeting. This site visit will be at FISC Pearl Harbor, HI.

6.3 PRECONSTRUCTION CONFERENCE AND QC COORDINATION AND MUTUAL UNDERSTANDING MEETING

TWO weeks prior to work commencement, a meeting with the Contracting Officer, FLC Pearl Harbor Fuel Manager and pertinent Government representatives will be held to discuss and develop a mutual understanding of administration of value engineering and safety programs, drawings, execution of the work, and schedules. In addition, the QC Manager will meet with the Government to present the QC program required by this Contract. Major subcontractors shall also attend. Location of this meeting will be at FLC Pearl Harbor, HI.

6.4 PROGRESS/QC MEETINGS

The QC Manager shall meet with the NTR and the FLC Pearl Harbor Fuel Manager on a regular (weekly) basis to discuss the progress and any other requirements during the on-site implementation phase of this Contract. The contractor shall also meet with the NTR and Fuel Manager at the conclusion of the work for the final QA walk-thru.

7.0 GOVERNMENT POINTS OF CONTACT

7.1 TITLES

Government technical points of contact include a Contracting Officer's Representative (COR) and a Naval Technical Representative (NTR) appointed by the Contracting Officer (KO).

7.2 CONTRACTING OFFICER

The Contracting Officer for this contract is Ms. Maria Miller.

[REDACTED]
SPECIALTY CENTER ACQUISITIONS NAVFAC
CODE AQ01/NAVAL BASE VENTURA COUNTY
1100 23RD AVE., BLDG. 1100
PORT HUENEME, CA 93043-4301
PHONE: (805) 982-2515, FAX: (805) 982-3015
[REDACTED]

7.3 CONTRACT SPECIALIST

The Contract Specialist for this contract is Andrea Brooks. Contractual Correspondence shall be sent to:

[REDACTED]
SPECIALTY CENTER ACQUISITIONS NAVFAC
CODE AQ01/NAVAL BASE VENTURA COUNTY
1100 23RD AVE., BLDG. 1100

PORT HUENEME, CA 93043-4301
PHONE: (805) 982-2515, FAX: (805) 982-5234
[REDACTED]

7.4 CONTRACTING OFFICER'S REPRESENTATIVE

The COR for this contract is [REDACTED], NAVFAC ESC, PW54. The COR is responsible to the Contracting Officer for all matters requiring technical interface with the Contractor. All technical correspondence shall be addressed to:

NAVAL FACILITIES ENGINEERING SERVICE CENTER
1100 23RD AVE., BLDG. 1100
PORT HUENEME, CA 93043-4370
[REDACTED], PW54
PHONE: (805) 982-1436, FAX: (805) 982-5388
[REDACTED]

7.5 NTR

The NTR for this contract is [REDACTED], NAVFAC ESC, PW54. The NTR is the Naval Technical Representative and shall represent matters regarding technical interface with the Contractor on the jobsite.

NAVAL FACILITIES ENGINEERING SERVICE CENTER
1100 23RD AVENUE
PORT HUENEME, CA 93043-4370
[REDACTED], PW54
PHONE: (805) 982-4992, FAX: (805) 982-5388
[REDACTED]

8.0 REPORT FORMAT

8.1 CONTENTS

Reports shall provide a comprehensive description of work performed. Drawings, charts, illustrations, and other material needed to clarify the design shall be included. Calculations and computer output, if applicable, shall be included as appendices to the report.

Repair Certification Reports

This report will include thorough documentation all work performed. Hard copies of each tank shall be bind in plastic ring binding with a plastic sleeve inside to hold electronic copy of each report. NAVFAC ESC will provide the cover and report number.

Repair Reports Shall Include:

- 1.1.1.1 Executive Summary
- 1.1.1.2 Suitability for Service Statement
- 1.1.1.3 Work Performed
- 1.1.1.4 Timeline

Appendices:

- 1.1.1.5 Documenting Photographs
- 1.1.1.6 Personnel Certifications
- 1.1.1.7 NDT Documentation

- 1.1.1.8 QC Documentation
- 1.1.1.9 Materials and Coating Data
- 1.1.1.10 As-built Drawings
- 1.1.1.11 API 653 follow up inspection

8.2 QUALITY

Reports describing the work shall be clearly written, adequately detailed, well edited with no errors, and acceptable for release as a quality document. Draft reports shall be finished products requiring only technical changes after Government review.

8.3 COVER SHEET

The title/cover sheet shall be provided by the contractor. The cover and back of each final report shall be on white cover stock. All reports shall have clear plastic covers both front and back. The reports shall be spiral bound with black spines, or in 3-hole binders.

8.4 CD-ROM FORMAT

All reports are to be submitted on a CD-ROM, in addition to hard copies, in accordance with Paragraph 9.0. All documents on the CD-ROM are to be in an editable type format (i.e.: .doc, .xls, .dwg, etc.). Only scanned documents such as mill certs, x-ray reports, etc. are to be submitted as a .pdf file.

8.5 PROJECT NUMBERS

All reports and CD-ROMs are to include the DESC project numbers on the title sheet.

9.0 SUBMITTAL SCHEDULE AND DISTRIBUTION

All reports, documents, and drawings shall be delivered according to the list provided in Attachment #1.

10.0 PERIOD OF PERFORMANCE

The Period of Performance for this Contract is 20 weeks.

ATTACHMENT #1

SUBMITTAL LIST, SCHEDULE, AND DISTRIBUTION

SUBMITTAL LIST, SCHEDULE, AND DISTRIBUTION

SUBMITTAL	SUBMITTAL SCHEDULE			DISTRIBUTION - NUMBER OF COPIES		
	DRAFT (WACA)	GOVT Review	FINAL (WAGR)	Fuels ②	NFESC ②	DESC ①
WORK PLAN	4	2				
DRAFT			2		EC	
FINAL					1/EC	
HEALTH AND SAFETY PLAN						
DRAFT	4	2			EC	
FINAL			1		1/EC	
ENVIRONMENTAL PROTECTION PLAN/HAZARDOUS WASTE DISPOSAL PLAN						
DRAFT	4	2			EC	
FINAL			1		1/EC	
CONSTRUCTION SUBMITTALS						
FINAL					4/ 4 CDs	
QUALITY CONTROL DAILY REPORTS③		-	-	EC	EC	
MEETING MINUTES③,④		-	-		EC	

NOTES:

WACA – Weeks after Contract Award

GOVT Review – Number of weeks for Government review after receipt of submittal.

WAGR – Weeks after Government Review

① - Include 1 CD-ROM with each FINAL report

② - Include 2 CD-ROMs with each report

③ - Daily reports shall be e-mailed daily, by 0900 HAST, the following day.

④ - Minutes of meetings may be e-mailed. Minutes shall be submitted no later than three (3) working days following each meeting.

DISTRIBUTION LIST MAILING ADDRESSES:

NAVAL FACILITIES ENGINEERING SERVICE CENTER

1100 23RD AVENUE

PORT HUENEME, CA 93043-4370

[REDACTED], PW54

PHONE: (805) 982-4992, FAX: (805) 982-5388

[REDACTED]

SECTION E - INSPECTION AND ACCEPTANCE

The following Acceptance/Inspection Schedule was added for SUBCLIN 000105:

INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
N/A	N/A	N/A	Government

SECTION F - DELIVERIES OR PERFORMANCE

The following Delivery Schedule item for CLIN 0001 has been changed from:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
29-JUN-2012	4,608,288.92	N/A FOB: Destination	

To:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
29-JUN-2012	6,657,161.68	N/A FOB: Destination	

The following Delivery Schedule item has been added to SUBCLIN 000105:

DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
29-JUN-2012		N/A FOB: Destination	

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by \$2,048,872.76 from \$4,608,288.92 to \$6,657,161.68.

SUBCLIN 000105:

Funding on SUBCLIN 000105 is initiated as follows:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Increase: \$2,048,872.76

Total: \$2,048,872.76

Cost Code: [REDACTED]

The following have been added by full text:

[REDACTED]
[REDACTED]
[REDACTED]

(End of Summary of Changes)

VISUAL INSPECTION & TESTING (VT) LEVEL II CERTIFICATION

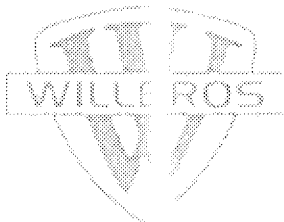
THIS IS TO CERTIFY THAT:

Justin Kotry

HAS SUCCESSFULLY COMPLETED

*Visual Inspection & Testing
(VT) Level II Technician / Competent Person*

THE CANDIDATE HAS SUCCESSFULLY COMPLETED ALL OF THE
REQUIREMENTS FOR API 650/653 & ASNT SNT-TC-1A TRAINING.




Corporate ASNT LVL III
Willbros Government Services, LLC

2/29/2012

Date

PENETRANT TESTING (PT)
LEVEL II CERTIFICATION

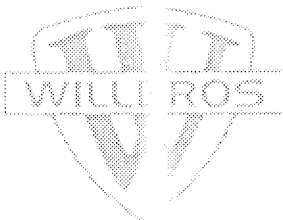
THIS IS TO CERTIFY THAT:

Justin Kotry

HAS SUCCESSFULLY COMPLETED

*Liquid Color Contrast Dye Penetrant Testing
(PT) Level II Technician / Competent Person*

THE CANDIDATE HAS SUCCESSFULLY COMPLETED ALL OF THE
REQUIREMENTS FOR API 650/653 & ASNT SNT-TC-1A TRAINING.




Corporate ASNT LVL III
Willbros Government Services, LLC

2/29/2012

Date

VISUAL INSPECTION & TESTING (VT) LEVEL II CERTIFICATION

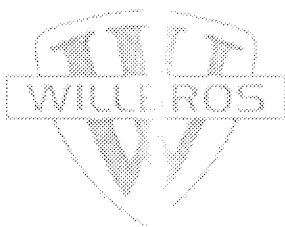
THIS IS TO CERTIFY THAT:

Donald Clark

HAS SUCCESSFULLY COMPLETED

*Visual Inspection & Testing
(VT) Level II Technician / Competent Person*

THE CANDIDATE HAS SUCCESSFULLY COMPLETED ALL OF THE
REQUIREMENTS FOR API 650/653 & ASNT SNT-TC-1A TRAINING.



A handwritten signature in dark ink, appearing to read 'Donald Clark', is positioned above a horizontal line.

Corporate ASNT Lvl III
Willbros Government Services, LLC

9/30/2011

Date