

FAC 1262 POL Pump Station

RUC: \$1,843.24 SF

Source: Special study for DLA/DESC in 2008/2009
Based upon PACES estimate and calculated per unit as follows.

SUC: \$23.85 SF

Source: Special study for DLA/DESC in 2008/2009 and calculated per unit as follows.

RUC FAC 1262 POL PUMP STATION

Parametric Cost Engineering System (PACES) Project Detail Report

Project DESC Pump Station
Project No.: 1262
Location: ARLINGTON, VIRGINIA
Description:
Comments:

Estimate Date: 12/08/2008
Estimate By: R&Kfjk

Agency: Air Force

Report Date: 02/25/2009
09:10 AM

Construction Start Date: 04/01/2009
Construction Midpoint: 11/01/2009
Construction End Date: 07/01/2010

Escalation Rate: 7.96% Based on Project Construction Midpoint

Database Version: Jan 2006 Cost Book
PACES Version: 7.0.11

Project Name: FAC 1262 DESC POL Pump Station

Project Detail Report

02/25/2009

09:10 AM

Project No: 1262

Facility: Pump Station

Model: Pump House

Type Supporting

<u>Assembly</u>	<u>Description</u>	<u>Qty</u>	<u>UOM</u>	<u>Mtrl</u>	<u>Labor</u>	<u>Equip</u>	<u>Unit Cost</u>	<u>Total</u>
12020207	125 KW Diesel Generator	2	EA	\$31,710.00	\$4,349.48	\$440.60	\$36,500.09	\$73,000
19093701	Pump System, 600 GPM	4	EA	\$263,361.84	\$52,688.81	\$1,237.57	\$317,288.21	\$1,269,153
19093706	Product Recovery System, 1800-2400 GPM	1	EA	\$70,914.53	\$6,666.33	\$618.78	\$78,199.64	\$78,200
19093710	Fuel Filter/Separator	1	EA	\$22,881.70	\$5,279.68	\$0.00	\$28,161.39	\$28,161
19093713	Stainless Steel Horizontal Filter Separators	4	EA	\$2,753.20	\$558.63	\$94.63	\$3,406.46	\$13,626
19093720	HHT Check Out	1	EA	\$25,866.96	\$5,150.57	\$82.51	\$31,100.04	\$31,100

Model Pump House **\$1,493,240**

Facility: Pump Station **\$1,493,240**

Project Name: FAC 1262 DESC POL Pump Station

Project No: 1262

Project Detail Report

02/25/2009

09:10 AM

Facilities Total (Direct Cost): \$1,493,240

Project Direct Cost: \$1,493,240

Markups	35.5	%	\$529,425
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Project Marked Up Cost: \$2,022,665

Contingency	5.0	%	\$101,133
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SIOH	5.7	%	\$121,056
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Project Cost: \$2,244,854

Design/Indirect Cost:	0.0	%	\$0
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Total Project Cost: \$2,244,854

Construction Start 04/01/2009

Construction Midpoint: 11/01/2009

Construction End Date: 07/01/2010

Escalation Rate: 7.96% Based on Construction Midpoint

Database Version: Jan 2006 Cost Book

PACES Version: 7.0.11

FAC 1262 RUC Attachment

DESC RCF Revisions						
FAC	FAC TITLE	UM	V.11 RCF \$09	PACES Direct Cost	PACES Unit	Unit Cost
1211	Aircraft Fueling Facility	GM	337.84	\$ 5,211,155	2400	\$ 2,171.31
1212	Aircraft Defueling Facility	GM	337.84	\$ 5,211,155	2400	\$ 2,171.31
1221	Marine Fueling Facility	GM	29.07			\$ 267.42
1231	Vehicle Fueling Facility	OL	13,748.50	\$ 249,800	2	\$ 124,900.00
1241	Aircraft Operating Fuel Storage	GA	1.96	\$ 1,992,868	420000	\$ 4.74
1242	Marine Operating Fuel Storage	GA	5.56	\$ 44,246	3000	\$ 14.75
1243	Vehicle Operating Fuel Storage	GA	5.76	\$ 86,668	25000	\$ 3.47
1244	Other Operating Fuel Storage	GA	9.39	\$ 43,968	17439	\$ 2.52
1251	POL Pipeline	LF	148.05	\$ 438,018	1000	\$ 438.02
1261	Liquid Fuel Loading/Unloading Facility	OL	13,748.50	\$ 456,159	4	\$ 114,039.75
1262	POL Pump Station	SF	681.19	\$ 2,022,665	1008	\$ 2,006.61
4111	Bulk Liquid Fuel Storage	BL	53.05			\$ 65.23

FAC 1262 POL Pump Station

CostWorks 2008 Quarter 2 -

Design Life= 50
Average S.F.= 1,008

C.S.F.=100 S.F.; MSF=1000 S.F
Sq=100 S.F.; M.L.F.=1000 L.F

Assembly Number	Description	Frequency	Crew	Qty	Unit	Total Incl. O&P	Zip Code Prefix	Type	Release	Occurrences in Design Life	Adjusted Occurrences	Terminal Cutoff
D4013 310 1020	Inspect sprinkler system	1	1 Plum	1.000	Ea.	32.89	200	FMR	2008 Qtr 2	50	50	\$ 1,644.50
D4013 310 1030	Replace sprinkler head	20	1 Plum	4.000	Ea.	313.84	200	FMR	2008 Qtr 2	2	2	\$ 627.68
D4013 310 1040	Rebuild double check 3" backflow preventer sprin	1	1 Plum	1.000	Ea.	715.83	200	FMR	2008 Qtr 2	50	50	\$ 35,791.50
D5013 224 0020	Maintenance and inspection switchgear, indoor, 6	3	1 Elec	1.000	Ea.	35.63	200	FMR	2008 Qtr 2	16	16	\$ 570.08
D5013 224 0030	Replace switchgear, indoor, 600 V	30	2 Elec	1.000	Ea.	3,461.21	200	FMR	2008 Qtr 2	1	1	\$ 3,461.21
D5013 230 0010	Repair switchboard meter	10	1 Elec	6.000	Ea.	9,575.94	200	FMR	2008 Qtr 2	5	5	\$ 47,879.70
D5013 230 0020	Replace switchboard meter	20	1 Elec	6.000	Ea.	38,320.80	200	FMR	2008 Qtr 2	2	2	\$ 76,641.60
D5013 266 0010	Maintenance and repair motor starter, 600 V	3	1 Elec	4.000	Ea.	2,612.12	200	FMR	2008 Qtr 2	16	16	\$ 41,793.92
D5013 266 0020	Maintenance and inspection motor starter, 600 V	0.25	1 Elec	4.000	Ea.	191.40	200	FMR	2008 Qtr 2	200	200	\$ 38,280.00
D5013 266 0030	Replace starter motor starter, 600 V	18	2 Elec	4.000	Ea.	14,275.80	200	FMR	2008 Qtr 2	2	2	\$ 28,551.60
D5013 280 0020	Maintenance and inspection lighting panel, indoo	3	1 Elec	1.000	Ea.	35.63	200	FMR	2008 Qtr 2	16	16	\$ 570.08
D5023 130 6010	Repair failed breaker, 3 pole circuit breaker	4	1 Elec	4.000	Ea.	2,429.12	200	FMR	2008 Qtr 2	12	12	\$ 29,149.44
D5023 130 6020	Maintenance and inspection C.B., 3 pole circuit b	0.33	1 Elec	4.000	Ea.	114.00	200	FMR	2008 Qtr 2	151	151	\$ 17,214.00
D5023 130 6030	Replace C.B. enclosed, 600 V, 3 pole circuit brea	12	1 Elec	4.000	Ea.	4,632.36	200	FMR	2008 Qtr 2	4	3	\$ 13,897.08
D5023 140 3010	Maintenance and repair safety switch gen., 3 pol	8	1 Elec	1.000	Ea.	35.63	200	FMR	2008 Qtr 2	6	6	\$ 213.78
D5023 140 3020	Maintenance and inspection safety switch, 3 pole	1	1 Elec	1.000	Ea.	35.63	200	FMR	2008 Qtr 2	50	50	\$ 1,781.50
D5023 140 3030	Replace safety switch 240 V, 3 pole	25	2 Elec	1.000	Ea.	510.82	200	FMR	2008 Qtr 2	2	1	\$ 510.82
D5023 270 2010	Replace M.H. ballast mercury halide fixture, 175	10	1 Elec	1.000	Ea.	223.89	200	FMR	2008 Qtr 2	5	5	\$ 1,119.45
D5023 270 2020	Replace lamp mercury halide fixture, 175 W	5	1 Elec	1.000	Ea.	87.47	200	FMR	2008 Qtr 2	10	10	\$ 874.70
D5023 270 2030	Replace mercury halide fixture, 175 W	20	1 Elec	1.000	Ea.	711.77	200	FMR	2008 Qtr 2	2	2	\$ 1,423.54
D5033 760 0010	Minor repairs to fire alarm control panel	5	1 Elec	1.000	Ea.	130.97	200	FMR	2008 Qtr 2	10	10	\$ 1,309.70
D5033 760 0020	Maintenance and inspection fire alarm control pa	0.5	1 Elec	1.000	Ea.	38.17	200	FMR	2008 Qtr 2	100	100	\$ 3,817.00
D5033 760 0030	Replace fire alarm control panel	15	1 Elec	1.000	Ea.	3,107.84	200	FMR	2008 Qtr 2	3	3	\$ 9,323.52
D5093 130 1010	Maintenance and repair of general wiring lightning	1	1 Elec	1.000	M.L.F.	94.45	200	FMR	2008 Qtr 2	50	50	\$ 4,722.50
D5093 130 1020	Replace lightning protection general wiring syste	25	2 Elec	1.000	M.L.F.	8,575.60	200	FMR	2008 Qtr 2	2	1	\$ 8,575.60
D5093 140 1010	Maintenance and repair lightning ground rod	1	1 Elec	1.000	Ea.	82.04	200	FMR	2008 Qtr 2	50	50	\$ 4,102.00
D5093 140 1020	Replace lightning ground rod	25	2 Elec	1.000	Ea.	208.63	200	FMR	2008 Qtr 2	2	1	\$ 208.63
D5093 190 0010	Maintenance and repair special ground system	4	1 Elec	1.000	Ea.	19.04	200	FMR	2008 Qtr 2	12	12	\$ 228.48
D5093 190 0020	Replace special ground system	50	2 Elec	1.000	M.L.F.	2,079.11	200	FMR	2008 Qtr 2	1	0	\$ -

\$92,687.63

Records (From FXM 10-5):	
Coded AF Active	4
Code Navy/MC Active or Reserve	287
AF Coded 33	777
Navy Coded 33	107
AF Code 64 (Private Organizations)	10
Misc	7
TOTAL Records	1192
Average Year Acquired	1971

Note: Pump/Motor and Separator/Filter Tank in PM portion of model

Operator Maintenance % = 11%

MR Subtotal	\$ 374,283.61
MR Per Year	\$ 7,485.67
PM Per Year	\$ 14,631.00
Operator Maintenance	\$ 2,672.00
Subtotal	\$ 24,788.67
Total Per Unit	\$ 24.59
Inflation to FY-09	1.020408163
FY-09	\$ 25.09



NAS JACKSONVILLE



FISC PEARL HARBOR (RED HILL)



HICKAM AFB