

FAC 1261 Liquid fuel Loading/Unloading Facility

RUC: \$104,755.02 OL

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

SUC: \$749.42 OL

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

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

Parametric Cost Engineering System (PACES) Project Detail Report

Project DESC FAC 1261 Loading/Unloading Facility
Project No.: 1261
Location: ARLINGTON, VIRGINIA
Description:
Comments: Average OL = 2; Median = 4; project based on median

Estimate Date: 12/08/2008
Estimate By: fkaleba

Agency: Air Force

Report Date: 02/25/2009
09:07 AM

Construction Start Date: 04/01/2009
Construction Midpoint: 08/01/2009
Construction End Date: 01/01/2010

Escalation Rate: 7.40% Based on Project Construction Midpoint

Database Version: Jan 2006 Cost Book
PACES Version: 7.0.11

Project Name: DESC FAC 1261 Loading/Unloading Facility

Project Detail Report

02/25/2009

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Project No: 1261

Facility: FAC 1261 Loading-Unloading

Type Supporting

Model: Fuel Receiving System

<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>
19091002	Parking Pad	1600	SF	\$18.62	\$7.15	\$0.67	\$26.44	\$42,304
19091101	Direct Off Load Station	4	EA	\$11,408.58	\$7,189.77	\$57.03	\$18,655.37	\$74,621
19091201	Direct Off Load Pump	4	EA	\$31,863.69	\$4,734.70	\$89.79	\$36,688.18	\$146,753
19091401	High Point Vent Pit Assembly	4	EA	\$4,204.53	\$1,484.56	\$37.61	\$5,726.70	\$22,907
19091402	Low Point Pit Assembly	4	EA	\$1,586.20	\$5,265.40	\$57.03	\$6,908.62	\$27,634
19091501	Electrical/Controls, Truck Offload Station	4	EA	\$151.11	\$315.52	\$31.55	\$498.18	\$1,993
19091601	CATHODIC PROTECTION, TRUCK OFFLOADING STATION	4	EA	\$2,289.82	\$2,744.91	\$33.97	\$5,068.70	\$20,275

Model Fuel Receiving System **\$336,487**

Facility: FAC 1261 Loading-Unloading **\$336,487**

Project Name: DESC FAC 1261 Loading/Unloading Facility

Project No: 1261

Project Detail Report

02/25/2009

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Facilities Total (Direct Cost): \$336,487

Project Direct Cost: \$336,487

Markups	35.6	%	\$119,672
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Project Marked Up Cost: \$456,159

Contingency	5.0	%	\$22,808
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SIOH	5.7	%	\$27,301
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Project Cost: \$506,268

Design/Indirect Cost:	0.0	%	\$0
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Total Project Cost: \$506,268

Construction Start 04/01/2009

Construction Midpoint: 08/01/2009

Construction End Date: 01/01/2010

Escalation Rate: 7.40% Based on Construction Midpoint

Database Version: Jan 2006 Cost Book

PACES Version: 7.0.11

FAC 1261, Liquid Fuel Loading/Unloading
CostWorks 2009 Quarter 1 -

Design Life 25
Average OL 1.68

Terminal Cutoff is the removal of a single task occurrence if that task occurs within 10% of the end of the design life and if the frequency of the task exceeds 20% of the design life. This prevents scheduling major work near the end of the design life

Assembly Number	Description	Frequency	Crew	Qty	Unit	Total In-House	Total Incl. O&P	Zip Code Prefix	Type	Release	Adjusted Occurrences	lifecost	Terminal Cutoff
B1013 910 0020	Replace steel decking	30	2 Sswk	150.000	S.F.	1,336.50	1,533.00	200	FMR	2009 Qtr 1	0	0 \$	-
B3013 130 0500	Minor replacement - (2.5% of roof area) metal stee	20	2 Rofc	37.500	S.F.	350.63	415.88	200	FMR	2009 Qtr 1	1	415.875 \$	415.88
B3013 130 0600	Total metal panel replacement metal steep roofing	30	2 Rofc	1,500.000	Sq.	1,054,245.00	1,249,380.00	200	FMR	2009 Qtr 1	0	0 \$	-
D5023 132 0010	Maintenance and repair safety switch, 3 pole safet	8	1 Elec	1.000	Ea.	29.96	37.19	200	FMR	2009 Qtr 1	2	111.57 \$	74.38
D5023 132 0020	Maintenance and inspection safety switch, 3 pole,	1	1 Elec	1.000	Ea.	29.96	37.19	200	FMR	2009 Qtr 1	25	929.75 \$	929.75
D5023 132 0030	Replace safety switch, heavy duty	25	2 Elec	1.000	Ea.	593.67	703.30	200	FMR	2009 Qtr 1	0	703.3 \$	-
D5023 130 6010	Repair failed breaker, 3 pole circuit breaker	4	1 Elec	1.000	Ea.	506.13	591.12	200	FMR	2009 Qtr 1	6	3546.72 \$	3,546.72
D5023 130 6020	Maintenance and inspection C.B., 3 pole circuit br	0.33	1 Elec	1.000	Ea.	23.76	29.96	200	FMR	2009 Qtr 1	75	2247 \$	2,247.00
D5023 130 6030	Replace C.B. enclosed, 600 V, 3 pole circuit break	50	1 Elec	1.000	Ea.	1,025.62	1,196.45	200	FMR	2009 Qtr 1	0	0 \$	-
D5013 266 0010	Maintenance and repair motor starter, 600 V	3	1 Elec	1.000	Ea.	542.72	665.61	200	FMR	2009 Qtr 1	8	5324.88 \$	5,324.88
D5013 266 0020	Maintenance and inspection motor starter, 600 V	0.25	1 Elec	1.000	Ea.	39.77	49.58	200	FMR	2009 Qtr 1	100	4958 \$	4,958.00
D5013 266 0030	Replace starter motor starter, 600 V	18	2 Elec	1.000	Ea.	3,042.83	3,597.70	200	FMR	2009 Qtr 1	1	3597.7 \$	3,597.70
D5093 190 0010	Maintenance and repair special ground system	4	1 Elec	1.000	Ea.	15.91	19.94	200	FMR	2009 Qtr 1	6	119.64 \$	119.64
D5093 190 0020	Replace special ground system	50	2 Elec	1.000	M.L.F.	1,781.95	2,136.70	200	FMR	2009 Qtr 1	0	0 \$	-
D5093 140 1010	Maintenance and repair lightning ground rod	1	1 Elec	1.000	Ea.	68.40	84.88	200	FMR	2009 Qtr 1	25	2122 \$	2,122.00
D5093 140 1020	Replace lightning ground rod	25	2 Elec	1.000	Ea.	174.49	215.16	200	FMR	2009 Qtr 1	0	215.16 \$	-
G4023 210 1010	Replace 400W H.P.S. lamp, pole-mounted fixture	10	R26	4.000	Ea.	392.04	456.48	200	FMR	2009 Qtr 1	2	912.96 \$	912.96
G4023 210 1030	Replace 400W H.P.S. pole-mounted fixt. w/ lamp &	20	R26	4.000	Ea.	4,639.88	5,556.16	200	FMR	2009 Qtr 1	1	5556.16 \$	5,556.16
						\$1,068,839.22	\$1,266,706.30						

MR Subtotal	\$	29,805.07
MR Per Year	\$	1,192.20
PM Per Year	\$	229.45
Subtotal PER YEAR	\$	1,249.07
Per OL	\$	743.49

Truck Fill Stand Operator Maint Hrs 43.5
Operator Maintenance Total hours 948.5
Percent 0.04586189

Operator Maintenance for 34 OL:	\$	1,529.37
Operator Maintenance per OL:	\$	44.98
Total SCF/OL	\$	788.47

Number of Outlets by Category Code	
AIR FORCE	2099
126925	1029
126926	1070
ARMY	238
12615	3
12630	165
12640	44
12660	24
12670	2
MARINE CORPS	84
12630	11
12640	73
NAVY	208
12610	19
12630	151
12640	38
Grand Total	2629

Operator as % of Total: 6%



NAS Jacksonville



AAAF Parkersburg