Private Fuel Storage, L.L.C.

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AIRCRAFT CRASH IMPACT HAZARD
DOCKET NO. 72-22 / TAC NO. L22462
PRIVATE FUEL STORAGE FACILITY
PRIVATE FUEL STORAGE L.L.C.

Reference: 1. Private Fuel Storage, "Aircraft Crash Impact Hazard at the Private Fuel Storage Facility," Rev. 3, dated June 17, 2000.

We are enclosing copies of Figure 1 and Tables 1 and 3 to be inserted in the above referenced Revision 3 of the "Aircraft Crash Impact Hazard at the Private Fuel Storage Facility," June 17, 2000. The enclosed Figure 1 and Tables 1 and 3 are identical to those that were included in Revision 2 of the Report, dated June 2, 2000. They were, however, inadvertently omitted from Revision 3. Figure 1 should be inserted after page 6, Table 1 after page 9, and Table 3 after page 32.

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Enclosure

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NMSS01 Public

SEVIER B MOA

CROSS SECTION AT LATITUDE OF PFSF

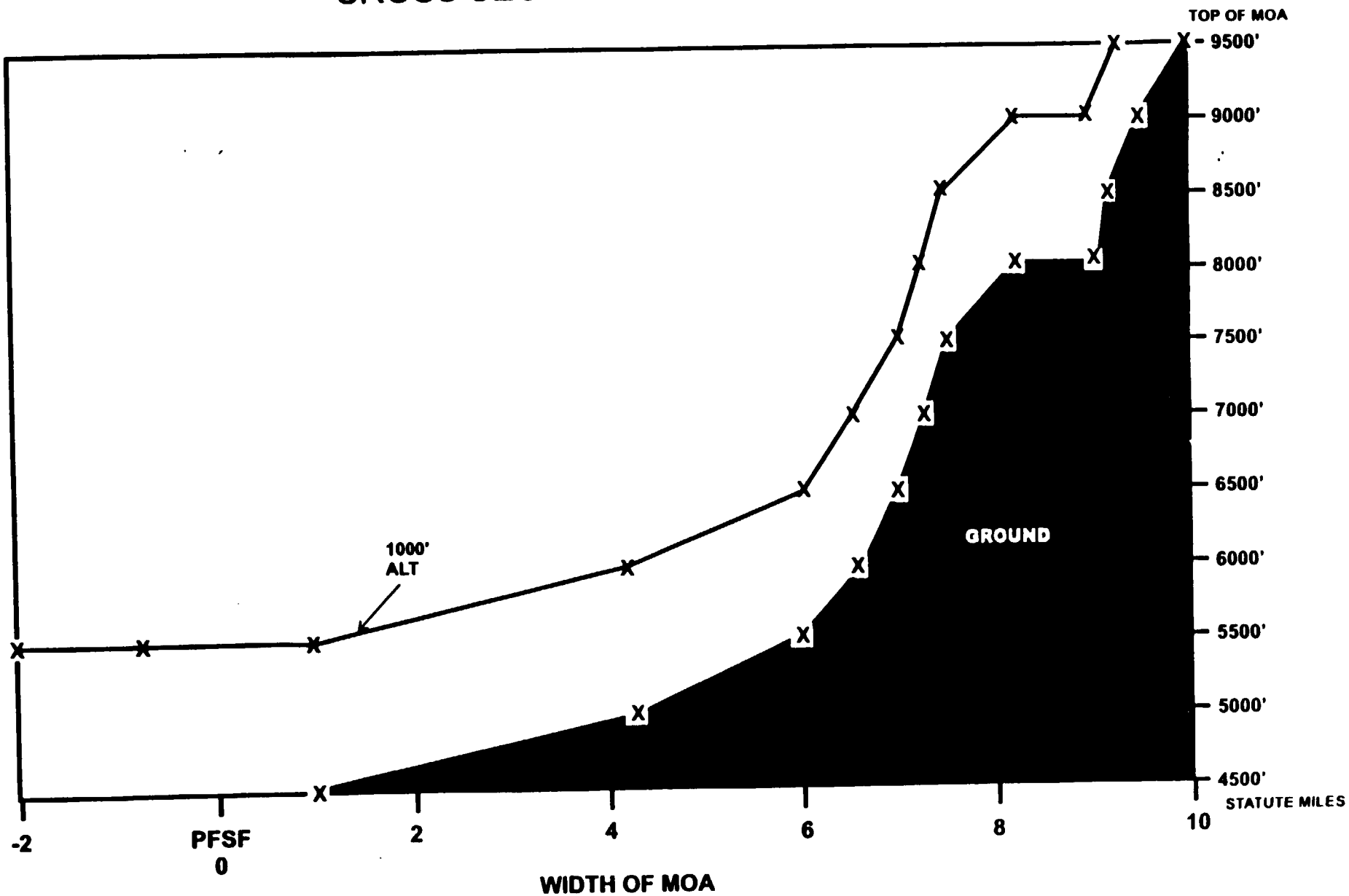

Figure 1

F-16 HISTORY

YEAR	CLASS A #	CLASS A RATE	CLASS B #	CLASS B RATE	DESTROYED A/C	DESTROYED RAT	FATA PILOT	FATA ALL	HOURS	CUM HRS
CY75	1	621.12	0	0.00	0	0.00	0	0	161	161
CY76	1	442.48	0	0.00	0	0.00	0	0	226	387
CY77	0	0.00	0	0.00	0	0.00	0	0	856	1243
CY78	0	0.00	0	0.00	0	0.00	0	0	1402	2645
CY79	2	30.64	0	0.00	2	30.64	0	0	6527	9172
CY80	5	18.65	2	7.46	4	14.92	0	0	26803	35975
CY81	5	8.86	0	0.00	4	7.09	1	1	56423	92398
CY82	17	15.83	0	0.00	16	14.90	4	4	107389	199787
CY83	11	7.30	0	0.00	9	5.97	5	6	150728	350515
CY84	10	5.01	0	0.00	9	4.51	6	6	199761	550276
CY85	10	4.55	0	0.00	11	5.01	5	5	219647	769923
CY86	11	4.32	2	0.79	11	4.32	3	3	254491	1024414
TY87	8	3.43	4	1.71	9	3.85	3	3	233560	1257974
FY88	23	6.80	5	1.48	20	5.92	6	8	338039	1596013
FY89	14	3.63	1	0.26	14	3.63	3	3	385179	1981192
FY90	13	3.19	4	0.98	14	3.43	4	7	408078	2389270
FY91	21	4.55	1	0.22	21	4.55	5	5	461451	2850721
FY92	18	4.04	1	0.22	18	4.04	8	9	445201	3295922
FY93	18	4.15	2	0.46	18	4.15	4	5	433960	3729882
FY94	16	4.00	2	0.50	15	3.75	3	27	400484	4130366
FY95	9	2.33	2	0.52	9	2.33	1	1	386445	4516811
FY96	8	2.14	5	1.34	7	1.87	0	1	374530	4891341
FY97	11	3.05	1	0.28	11	3.05	1	1	360738	5252079
FY98	14	3.89	1	0.28	12	3.33	4	6	360245	5612324
LIFETIME	246	4.38	33	0.59	234	4.17	66	101	5612324	
5 YR AVG	11.6	3.08	2.2	0.58	10.8	2.87	1.8	7.2	376488.4	
10 YR AVG	14.2	3.54	2.0	0.50	13.9	3.46	3.3	6.5	401631.1	

FILE NAME F16AVG.XLS
AS OF 30 SEP 98

The number of hits since Mar 17, 1999 is: 000232

Table 1

Table 3				
Section IV, UTTR South Range Operations				
Hazard calculation with three-mile buffer zone				
Section IV.A.		**IV.C.1**	**IV.C.1**	**IV.C.2**
Fighters (South Range)	***Sorties***	***Flight Hours***	***Air to Air (.3333)***	***Hourly Crash Rate***
F-16	5726	6678.1	2225.8	3.96E-05
F-15	265	303.1	101.0	3.96E-05
F-18	294	272.9	91.0	3.96E-05
Mixed Fighter (F-14, -15, -16, -18)	75	149.9	50.0	3.96E-05
Totals	**6360**	7404.0	2467.8	
Air to Air Sorties			2120	
SECTION IV.C.3.				
UTTR South Range Activity				
Range	***Surf. Area***	***Operations***	***Fraction***	***Air to Air Hours***
R6402	*1294.9*	*909*	*0.0334*	*82.4*
R6405	2784.9	5995	0.2202	543.3
R6406	*1171.9*	*6679*	*0.2453*	*605.3*
R6407	855.5	5897	0.2166	534.4
Sevier A MOA		3871	0.1422	350.8
Sevier B MOA		3878	0.1424	351.5
South Range Total		**27229**		2467.8
		Expected air to air		***Expected Crash***
Range		***annual crashes***		***Rate per sq. mile***
R6402		3.26E-03		2.52E-06
R6406		2.40E-02		2.05E-05

Table 3

Table 3, Continued				
SECTIONS IV.C. 4 and 5				
Altitude Bands	*10-35k*	*6.67-10k*	*3.33-6.67k*	*0-3.33k*
Band midpoint altitude		*8333*	*5000*	*1667*
Arc radius	10	*7.89*	*4.73*	*1.58*
Cutout Areas (A_c)				
R6402	*53*	*24.5*	*0*	*0*
R6406	*12.5*	*4.5*	*0*	*0*
Footprint area **(A_p)**	314.2	195.6	70.4	7.8
Glide ratio	5			
Effective Area **(A_{eff})**	0.13371			
Annual Crash Rates per sq mi (C_a)				
Percent Aircraft in Band	*0.714*	*0.095*	*0.095*	*0.095*
R6402	*1.80E-06*	*2.40E-07*	*2.40E-07*	*2.40E-07*
R6406	*1.46E-05*	*1.95E-06*	*1.95E-06*	*1.95E-06*
Section IV.C.6				
R factor: (1 - Excludable Accidents)=	*0.573*			
Summations, Section IV.C.7				
$H_a=C_a \times A_c \times A_{eff}/Ap \times R$				
for R 6402:				
H_{6402}	2.324E-08	2.300E-09	0.000E+00	0.000E+00
for R 6406:				
H_{6406}	4.449E-08	3.430E-09	0.000E+00	0.000E+00
Summing to H_{Total}=	7.35E-08			

Table 3 (Cont'd)