

DOCKETED
USNRC



State's Exhibit 72

2003 JAN 29 PM 2: 51

Probability of an Aircraft Crash From
F-16s Transiting Skull Valley En Route to the UTTR South Range

OFFICE OF THE SECRETARY
RULEMAKINGS AND
ADJUDICATIONS STAFF

$P = N * C * A/w$

	Lifetime F-16 Crash Rate for Normal Flight	2001 F-16 Crash Rate for Normal Flight
N = number of aircraft flights/year	7040	7040
C = crash rate for normal flight in crashes/mile of flight	3.39E-08	3.98E-08
A = effective area of PFS facility (miles ²)	0.1337	0.1337
w = width of flight path in miles	5	5
P = probability of an F-16 crashing into the PFS facility in crashes/year	6.39E-06	7.49E-06

Note:

Crash rate for normal flight calculated in State's Exhibit 76.

CLEAR REGULATORY COMMISSION

Docket No. _____ Official Exh. No. 72

In the matter of _____

Staff _____ IDENTIFIED _____

Applicant _____ RECEIVED

Intervenor _____ REJECTED _____

Other _____ WITHDRAWN _____

DATE 5/15/02 Witness _____

Clerk _____ *[Signature]*