### Appendix 1.

### **Bird/Other Wildlife Strike Report**

					Form/	Reproved OMB	MO. 2120-6618
U.S. Deportment of hompostation Recipied Administration	BIRD/	OTHER WILDLI	FE STRI	KE REPC	ORT		
1. Nome of Complet		2. Aircraft Meka/Mod	del		2. Engine Make/Mos	let	
4. Aircraft Registration		S. Date of Incident			4. Local Time of Incid		
		Menth D	cy Ye	bar	□ Dawn □ Dusk		4R — MN Ì AM □ BA:
7. Akport Morne		8. Punway Used	-, .,		7. Location II En Rout		
10, Height (AGL)		11, 3peed (L(S)			1		
					<u> </u>		
12. Phose of Fight		13. Port(s) of Alterati	<u>Struck of Do</u> Struck	maged Domesed		Cimenta	Bassand
and a second						Siruck	Domoged
D A. Faksd  D B. Tod		A. Rodome B. Windshield	- 0		H. Popeler		
D C. Tate-off Run	-	C. Nose		0	I. Wing/Rater J. Fustione	0	
D. Cimb		D. Engine No. 1	- 6	0 1	K. Landing Geor	6	6
☐ E. ENKOUNG		E. Engine No.2	- 6		L. Tall	1 5	6
F. Descent	L .	F. Engine No.3		6	M. Lights	-	1 6 1
G. Approach  H. Londing Roll		G. Engine No.4		P	H. Other:		
EJ R. LOHOHIG NAM					(Specify, y"N. Other" is	z elecked)	
	1		7 7				
14. Břeci en flight		15. Sky Condition			16. Precipitation		
□ None		☐ No Cloud	<b>S</b>		□ Fog □ Rein		
☐ Aborted Take-Off ☐ Precquilionery Landing	100	Some Cloud			□ Suow		
☐ EnginerShul Down		C GAMMAN			☐ None		
□ Other: Specife!		1 1					-
17. Bird/Other Wildlie Species		18. Municipar or birds s			19. She of Shd(s)		
		Number of Blrds	Seen	Struck	□ Small		
		2-10			□ Medton □ Lorge		
		11-160	- 5		D mgs		
		more than 100					
The Control of State of the Sta	Yes No						
21. Remarks (Execube domage, Islanic	u and other pertue	ii Information)					
•							
76							
22. Aircraft time out of service:	23. Effencied or	DAMAGE / COST   Delicer to pripage of the			imaled other cort our	Dáir ionaí ma	والقومية إلمهار ومعد
	5						
hours		Two.			I		
Reported by (Optional)		Title			Dole		
Paperwork Bedection Act Statement	The information cal	eçled on jilis form li nece	siery to clien	the Federal A	vietien Administration to a	ozess the mo	gnitude.cod
controller and them suffertible, subsequently adultion were	delane in the HC We	a, beloweretions in count in etc.	almostellere Han	, hand merenden	remark representation from the state of	Jacon Wheel Becoming	A Company of the Land of the L
sofely ocused by wildfill-offcold still concerning the occuracy of this but Management Staff, ARF-10, 800 Indep	Sep estimate and a	my suggestions for induc	ng its burde	A send those	comments to the Feder	al Avialian Ad	imirktedien,
conduct or spensor, and a person is a	rei reguires is casp	and in, a collection of in	i. ine mama Jernation uni	nun coroceso les II elsplays s	a very ory. Medse Ross a cuserily valid OAR oc	r mer em eger rhet nomber	The DAS
control number appealated with this so	Haefien (s 2126 00 6		and the second		and the state of t		

FAA Form 1205-7 (3-97) Supervision Previous Edition

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148N:0052-00-651-6005

# Appendix 2.

# Volcanic Activity Reporting Form (VAR)

.0	2. Position			
a rad	3. Time (UTC)			
TCM	4. Flight level or altitud	le		
SECTION 1 - Transmit to ATC via radio	Position/location of volcanic activity or a	sh cloud		
ransi	6. Air temperature			
-	7. Wind			
100	8. Supplementary Inform	mation		
SEC	(Brief description of activi vertical and lateral extent cloud, horizontal movemen growth, etc., as available.)	of the ash it, rate of		
ī		Mark the	e appropriate box(s)	
ed	9. Density of ash cloud	wispy	moderately dense	□ very dense
direct	10. Color of ash	□ white □ black	☐ light gray	☐ dark gray
as	11. Eruption	continuous	☐ intermittent	not visible
Ward	12. Position of activity	summit multiple	side not observed	☐ single
nd for	13. Other observed features of eruption	☐ lightning ☐ ash fallout	glow mushroom cloud	large rocks
mplete a	14. Effect on aircraft	communications pitot static none	navigation system windscreen	engines other windows
2-00	15. Other effects	turbulence ash deposits	☐ St. Elmo's fire	☐ fumes
SECTION 2 - Complete and forward as directed	16. Other information deemed useful			
	Globa NHB-	ompleted form via ma il Volcanism Program 119 sonian Institution		nism Program

#### Appendix 3.

### LASER BEAM EXPOSURE QUESTIONNAIRE PAX TO WASHINGTON OPERATIONS CENTER COMPLEX (WCCC) at (202) 257-5289 ATTN: DEN PILOT NAME: \_\_ PHONE NUMBER: COMPANY: FLIGHT NUMBER: \_\_\_\_\_ 3. Altitude? \_\_\_\_\_\_ 4. Whet was the visibility?\_\_\_\_\_ What wore the atmospheric conditions? (Check those which apply) □ Clear □ Overcast □ Retry □ Foggy □ Hazy □ Surry. Did you attempt an eves vermaneuver? 🖸 Yes 🔘 No. If yes, did the beam follow you as you frice to move away? 🗅 Yes 🔘 No. 9. Can you estimate how lar away the light source was from your location? 10. What was the position of the Lgrif relative to the aircraft? Was the source moving? ☐ Yes ☐ No. 12. Was the light coming directly from its source or did it expeat to be reflected off other surfaces? 13. Were there multiple sources of light? Lit Yes, Lit No. 14. How long was the exposure? \_\_\_\_\_\_\_ 15. Did the light seam to track your path or was there locidental contact?\_\_\_\_\_\_ 18. What tasks were you performing when the exposure occurred? 17. Did the light prevent or hamper you from doing those teaks, or was the light more of an annoyance? What were the visual effects you experienced (affectionage, blind spot, fash blindness, glare\*)? Did you report the incident by radio to ATC? ☐ Yes ☐ No. Any other perlinant information: This questionnaire may be filled out by the competent auxhority during interviews with aircreass varional to accombinated buses illumination. This information will be used to aid in subsequent investigation by ATC, have entire count and other generalized and repenses to information will be used to aid in subsequent investigation by ATC, have entire countries and other generalized the subsequent investigation by ATC. and efficiency of civil aviation operation in the NAS \*Examples of common visual effects: After-langue. An image that accesses in the visual field after an exposure to a bright light. Bland spor. A temporary or permanent lass of vision of part of the visual field. Plash-bituducus. The highlithy to say (if they temporarily or permanently) caused by bright light entering the eye and persisting after the ithmination has reased. Glans. A temporary disruption in visitor council by the presence of a bright high (such as an encouring car's headlights) within an individual's field of vision. Glare tasts only as long as the hight is actually present within the individual's field of vision.

## Appendix 4.

### Abbreviations/Acronyms

As used in this manual, the following abbreviations/acronyms have the meanings indicated.

Meaning Alaskan Aviation Weather Unit
Advisory Circular
Aircraft Communications Addressing and Reporting System
Advise Customs
Aviation Digital Data Service
Automatic Direction Finder
Air Defense Identification Zone
Automatic Dependent Surveillance-Broadcast
Air Force Base
Automatic Flight Control System
Airport/Facility Directory
Aircraft Flight Manual
Automated Flight Service Station
Attitude Heading Reference System
Aeronautical Information Manual
Airmen's Meteorological Information
Available Landing Distance
Approach Light Systems
Above Mean Sea Level
Actual Navigation Performance
Airline Operations Control Center
Autopilot System
Approach with Vertical Guidance
Areas Noted for Attention
Aircraft Rescue and Fire Fighting Incident Commander
Aeronautical Radio Incorporated
Airport Reservations Office
Airport Radar Service Area
Air Route Surveillance Radar
Air Route Traffic Control Center
Automated Radar Terminal System
Airport Surface Detection Equipment - Model X
Automated Surface Observing System
Airport Surveillance Radar
Aviation Safety Reporting System
Air Traffic Control
Air Traffic Control Radar Beacon System
Air Traffic Control System Command Center
Airport Traffic Control Tower
Along-Track Distance
Automatic Terminal Information Service
Attitude Retention System
Aviation Weather Center
Automated Weather Observing System
Automated Weather Sensor System

AWTT	Aviation Weather Technology Transfer
AWW	Severe Weather Forecast Alert
BBS	Bulletin Board System
BC	Back Course
C/A	Coarse Acquisition
CARTS	Common Automated Radar Terminal System (ARTS) (to include
	ARTS IIIE and ARTS IIE)
CAT	Clear Air Turbulence
CD	Controller Display
CDI	Course Deviation Indicator
CDR	Coded Departure Route
CERAP	Combined Center/RAPCON
CFA	Controlled Firing Area
CFR	Code of Federal Regulations
COA	Certificate of Waiver or Authorization
CPDLC	Controller Pilot Data Link Communications
CTAF	Common Traffic Advisory Frequency
CVFP	Charted Visual Flight Procedure
CVRS	Computerized Voice Reservation System
CWA	Center Weather Advisory
CWSU	Center Weather Service Unit
DA	Decision Altitude
DCA	Ronald Reagan Washington National Airport
DCP	Data Collection Package
DF	Direction Finder
DH	Decision Height
DME	Distance Measuring Equipment
DME/N	Standard DME
DME/P	Precision DME
DOD	Department of Defense
DP	Instrument Departure Procedure
DPU	Data Processor Unit
DRT	Diversion Recovery Tool
DRVSM	Domestic Reduced Vertical Separation Minimum
DUATS	Direct User Access Terminal System
DVA	Diverse Vector Area
DVFR	Defense Visual Flight Rules
DVRSN	Diversion
EDCT	Expect Departure Clearance Time
EFAS	En Route Flight Advisory Service
ELT	Emergency Locator Transmitter
EPE	Estimate of Position Error
ESV	Expanded Service Volume
ETA	Estimated Time of Arrival
ETD	Estimated Time of Departure
ETE	Estimated Time En Route
EWINS	Enhanced Weather Information System
EWR	Newark International Airport
FA	Area Forecast
FAA	Federal Aviation Administration
FAF	Final Approach Fix
FAWP	Final Approach Waypoint
FB	Fly-by
FCC	Federal Communications Commission
FD	Flight Director System
FDC	Flight Data Center
FDE	Fault Detection and Exclusion

FIR	Flight Information Region
FIS	Flight Information Service
FISDL	Flight Information Services Data Link
FLIP	Flight Information Publication
FMS	Flight Management System
FMSP	Flight Management System Procedure
FO	Fly-over
FPNM	Feet Per Nautical Mile
FSDO	Flight Standards District Office
FSS	Flight Service Station
GBAS	Ground Based Augmentation System
GEO	Geostationary Satellite
GLS	GNSS Landing System
GNSS	Global Navigation Satellite System
GNSSP	Global Navigation Satellite System Panel
GPS	Global Positioning System
GRI	
GSD	Group Repetition Interval
	Geographical Situation Display
GUS	Ground Uplink Station
HAT HDTA	Height Above Touchdown
	High Density Traffic Airports
HEMS	Helicopter Emergency Medical Services
HIRL	High Intensity Runway Lights
HIWAS	Hazardous Inflight Weather Advisory Service
HRR	Helicopter Rapid Refueling Procedures
Hz	Hertz
IAF	Initial Approach Fix
IAP	Instrument Approach Procedure
IAS	Indicated Air Speed
IAWP	Initial Approach Waypoint
ICAO	International Civil Aviation Organization
IF IEINA	Intermediate Fix
IFIM	International Flight Information Manual
IFR ILS	Instrument Flight Rules
	Instrument Landing System
ILS/PRM	Instrument Landing System/Precision Runway Monitor
IM	Inner Marker
IMC	Instrument Meteorological Conditions
INS	Inertial Navigation System
IOC	Initial Operational Capability
IR	IFR Military Training Route
IRU	Inertial Reference Unit
ITWS	Integrated Terminal Weather System
JFK	John F. Kennedy International Airport
kHz	Kilohertz
LAA	Local Airport Advisory
LAAS	Local Area Augmentation System
LAHSO	Land and Hold Short Operations
LAWRS	Limited Aviation Weather Reporting Station
LDA (DDM	Localizer Type Directional Aid
LDA/PRM	Localizer Type Directional Aid/Precision Runway Monitor
LGA	LaGuardia Airport
LIRL	Low Intensity Runway Lights
LLWAS	Low Level Wind Shear Alert System
LLWAS NE	Low Level Wind Shear Alert System Network Expansion
LLWAS-RS	Low Level Wind Shear Alert System Relocation/Sustainment
LNAV	Lateral Navigation

LOC	Localizer
LOP	Line-of-position
LORAN	Long Range Navigation System
LPV	Localizer Performance with Vertical Guidance
LZ	Landing Zone
MAHWP	Missed Approach Holding Waypoint
MAP	Missed Approach Point
MAWP	Missed Approach Waypoint
MDA	Minimum Descent Altitude
MEA	Minimum En Route Altitude
MEARTS	Micro En Route Automated Radar Tracking System
METAR	Aviation Routine Weather Report
MHz	Megahertz
MIRL	Medium Intensity Runway Lights
MLS	
MM	Microwave Landing System  Middle Marker
MOA	
	Military Operations Area
MOCA	Minimum Obstruction Clearance Altitude
MRA	Minimum Reception Altitude
MRB	Magnetic Reference Bearing
MSA	Minimum Safe Altitude
MSAW	Minimum Safe Altitude Warning
MSL	Mean Sea Level
MTI	Moving Target Indicator
MTOS	Mountain Obscuration
MTR	Military Training Route
MVA	Minimum Vectoring Altitude
MWA	Mountain Wave Activity
MWO	Meteorological Watch Office
NACO	National Aeronautical Charting Office
NAS	National Airspace System
NASA	National Aeronautics and Space Administration
NAVAID	Navigational Aid
NAVCEN	Coast Guard Navigation Center
NCWF	National Convective Weather Forecast
NDB	Nondirectional Radio Beacon
NEXRAD	Next Generation Weather Radar
NFDC	National Flight Data Center
NIDS	National Institute for Discovery Sciences
NIMA	National Imagery and Mapping Agency
NM	Nautical Mile
NMAC	Near Midair Collision
NOAA	National Oceanic and Atmospheric Administration
NOPAC	North Pacific
NoPT	No Procedure Turn Required
NOTAM	Notice to Airmen
NPA	Nonprecision Approach
NRS	Navigation Reference System
NSA	National Security Area
NSW	No Significant Weather
NTAP	Notices to Airmen Publication
NTSB	National Transportation Safety Board
NTZ	No Transgression Zone
NWS	· ·
	National Weather Service
OAT	National Weather Service Outside Air Temperature
OAT OBS	

OIS	Operational Information System
OM	Outer Marker
ORD	Chicago O'Hare International Airport
PA	Precision Approach
PAPI	Precision Approach Path Indicator
PAR	Precision Approach Radar
PAR	Preferred Arrival Route
PC	Personal Computer
P/CG	Pilot/Controller Glossary
PDC	Pre-departure Clearance
PFD	Personal Flotation Device
PinS	Point-in-Space
PIREP	Pilot Weather Report
POB	Persons on Board
POFZ	Precision Obstacle Free Zone
POI	
PPS	Principal Operations Inspector Precise Positioning Service
	Precision Runway Monitor
PRM PT	,
QICP	Procedure Turn
	Qualified Internet Communications Provider
RA	Resolution Advisory
RAA	Remote Advisory Airport
RAIM	Receiver Autonomous Integrity Monitoring
RAIS	Remote Airport Information Service
RBDT	Ribbon Display Terminals
RCAG	Remote Center Air/Ground
RCC	Rescue Coordination Center
RCLS	Runway Centerline Lighting System
RCO	Remote Communications Outlet
RD	Rotor Diameter
REIL	Runway End Identifier Lights
RFM	Rotorcraft Flight Manual
RLIM	Runway Light Intensity Monitor
RMI	Radio Magnetic Indicator
RNAV	Area Navigation
RNP	Required Navigation Performance
RPAT	RNP Parallel Approach Runway Transitions
RVR	Runway Visual Range
RVSM	Reduced Vertical Separation Minimum
SAAAR	Special Aircraft and Aircrew Authorization Required
SAM	System Area Monitor
SAR	Search and Rescue
SAS	Stability Augmentation System
SBAS	Satellite-based Augmentation System
SCAT-1 DGPS	
005	Special Category I Differential GPS
SDF	Simplified Directional Facility
SFL	Sequenced Flashing Lights
SFR	Special Flight Rules
SIAP	Standard Instrument Approach Procedure
SID	Standard Instrument Departure
SIGMET	Significant Meteorological Information
SM	Statute Mile
SMGCS	Surface Movement Guidance Control System
SNR	Signal-to-noise Ratio
SOIA	Simultaneous Offset Instrument Approaches
SOP	Standard Operating Procedure

SPC	Storm Prediction Center
SPS	Standard Positioning Service
STAR	Standard Teshtorning Gervice Standard Terminal Arrival
STARS	Standard Terminal Automation Replacement System
STMP	Special Traffic Management Program
SWSL	Supplemental Weather Service Locations
TA	Traffic Advisory
TAA	Terminal Arrival Area
TAC	Terminal Arrival Area Terminal Area Chart
TACAN	
TAF	Tactical Air Navigation Aerodrome Forecast
TAS	
	True Air Speed
TCAS	Traffic Alert and Collision Avoidance System
TCH	Threshold Crossing Height
TD	Time Difference
TDLS	Tower Data Link System
TDWR	Terminal Doppler Weather Radar
TDZL	Touchdown Zone Lights
TEC	Tower En Route Control
TIBS	Telephone Information Briefing Service
TIPH	Taxi into Position and Hold
TIS	Traffic Information Service
TIS-B	Traffic Information Service-Broadcast
TLS	Transponder Landing System
TPP	Terminal Procedures Publications
TRSA	Terminal Radar Service Area
TSO	Technical Standard Order
TWEB	Transcribed Weather Broadcast
TWIB	Terminal Weather Information for Pilots System
UA	Unmanned Aircraft
UAV	Unmanned Aerial Vehicle
UFO	Unidentified Flying Object
UHF	Ultrahigh Frequency
U.S.	United States
USCG	United States Coast Guard
UTC	Coordinated Universal Time
UWS	Urgent Weather SIGMET
VAR	Volcanic Activity Reporting
VASI	Visual Approach Slope Indicator
VCOA	Visual Climb Over the Airport
VDA	Vertical Descent Angle
VDP	Visual Descent Point
VFR	Visual Flight Rules
VGSI	Visual Glide Slope Indicator
VHF	Very High Frequency
VIP	Video Integrator Processor
VMC	Visual Meteorological Conditions
V <sub>MINI</sub>	Instrument flight minimum speed, utilized in complying with minimum
	limit speed requirements for instrument flight
VNAV	Vertical Navigation
$V_{NE}$	Never exceed speed
V <sub>NEI</sub>	Instrument flight never exceed speed, utilized instead of V <sub>NE</sub> for
	compliance with maximum limit speed requirements for instrument
	flight
VOR	Very High Frequency Omni-directional Range
VORTAC	VHF Omni-directional Range/Tactical Air Navigation
VOT	VOR Test Facility
	·

VR	VFR Military Training Route
$V_{REF}$	The reference landing approach speed, usually about 1.3 times V <sub>so</sub>
	plus 50 percent of the wind gust speed in excess of the mean wind
	speed.
$V_{SO}$	The stalling speed or the minimum steady flight speed in the landing
	configuration at maximum weight.
VTF	Vector to Final
VV	Vertical Visibility
$V_{Y}$ $V_{YI}$	Speed for best rate of climb
$V_{YI}$	Instrument climb speed, utilized instead of V <sub>Y</sub> for compliance with
	the climb requirements for instrument flight
WA	AIRMET
WAAS	Wide Area Augmentation System
WAC	World Aeronautical Chart
WFO	Weather Forecast Office
WGS-84	World Geodetic System of 1984
WMO	World Meteorological Organization
WMS	Wide-Area Master Station
WMSC	Weather Message Switching Center
WMSCR	Weather Message Switching Center Replacement
WP	Waypoint
WRS	Wide-Area Ground Reference Station
WS	SIGMET
WSO	Weather Service Office
WSP	Weather System Processor
WST	Convective Significant Meteorological Information
WW	Severe Weather Watch Bulletin