

FEDERAL EMERGENCY MANAGEMENT AGENCY  
Disaster Response and Recovery  
Washington, D.C. 20473

7/1/80  
To: Victor Atiyeh

RECEIVED

JUL 1 1980

Governor's Office

JUN 28 1980

Honorable Victor Atiyeh  
Governor of Oregon  
State Capital  
Salem, Oregon 97310

JUL 0 1 1980

Governor Atiyeh

Dear Governor Atiyeh:

This is in response to your request of June 23, 1980 for a major disaster declaration by the President because of volcanic ash and mudflows caused by the eruption of Mount St. Helens beginning on May 18, 1980.

We have given your request careful review and consideration. Based on our assessment of conditions in the affected areas in cooperation with other Federal agencies as well as State and local officials, we have concluded that the situation is not of such severity as to be beyond the response capabilities of the State of Oregon and affected local governments. Accordingly, I must inform you of our decision not to recommend to the President that he declare a major disaster in this instance.

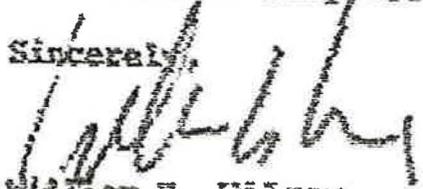
The U.S. Department of Agriculture has been advised of your request for assistance from the Farmers Home Administration (FHA) and the Agricultural Stabilization and Conservation Service (ASCS). The Small Business Administration (SBA) also has been advised of your request for economic injury loans. There are no businesses closed and the need for Disaster Unemployment Assistance is not known. There has been no physical damage to public facilities and the cleanup of ash has not posed any serious problems. The major problem has been the loss of revenue for the Fore of Portland, which is now operating, as well as the loss of revenue to other businesses. A major disaster declaration would not be of significant help in this matter.

Federal disaster assistance under the Disaster Relief Act of 1974 (Public Law 93-288) is supplementary in nature and provided only when effective response to a disaster is beyond the capabilities of State and local governments. Such assistance is

not intended to provide budgetary relief to State and local governments.

I regret I cannot give you a more favorable response.

Sincerely,

  
William E. Wilcox  
Associate Director

July 1, 1980

Congressman Abraham Kazen  
Chairman, House Water and Power Resources Committee  
1320 Longworth House Office Building  
Washington, D.C. 20515

Honorable Chairman Kazen:

The Governor of Oregon and the undersigned members of the 60th Oregon Legislative Assembly, strongly favor the passage of the Northwest Regional Energy Bill. We believe this bill is necessary for the stability of the entire region for the foreseeable future, and we believe that most Oregonians agree with this view.

✧Senate President Jason Boe  
✧Senate Majority Leader Fred Heard  
Senate Minority Leader Bob Smith  
Senators: L. B. Day  
    ✧Dick Groener  
    ✧Chuck Hanlon  
    Lenn Hannon  
    Ken Jernstedt  
    Tony Meeker  
    Mike Ragsdale  
    ✧Jack Ripper  
    ✧Mike Thorne

Representatives  
    Bill Bellamy  
    Robert Brogoitti  
    Ted Bugas  
    ✧Bud Byers  
    Chick Edwards  
    ✧Jeff Gilmour  
    ✧Bill Grannell  
    Cecil Johnson  
    Denny Jones  
    Bob Kennedy  
    ✧Ed Lindquist  
    Kip Lombard  
    Bill Markham  
    ✧Glenn Otto  
    Al Riebel  
    Bill Rutherford  
    John Schoon  
    ✧Max Simpson  
    Norm Smith  
    Tony Van Vliet  
    ✧Glen Whallon

*Hardy Myers?*



EXECUTIVE ORDER EO - 80 - 11

DECLARING STATE OF DISASTER

Mount St. Helens, a volcano in southwest Washington, recently erupted with great violence. Although the initial blast did not affect Oregon, debris carried down the Cowlitz River has polluted the Columbia River and caused a channel blockage. Reports indicate that fisheries may be adversely affected, and commercial activity, especially involving the Port of Portland, has been disrupted by silting of the channel.

In addition later ash eruptions have directly effected parts of the State of Oregon causing an unknown amount of damage.

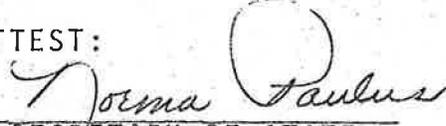
IT IS ORDERED AND DIRECTED:

A state of emergency disaster is declared to exist in Clatsop, Columbia, Washington, Multnomah and Clackamas Counties. It is my instruction to all state agencies, and my request of local and private agencies, that they cooperate in relieving the distress caused by this disaster. It is my request of federal authorities that federal agencies join in this effort, and that other federal resources be made available as necessary.



  
GOVERNOR

ATTEST:

  
SECRETARY OF STATE

Done at Salem, Oregon, this 7th day of June, 1980.



OFFICE OF THE GOVERNOR  
STATE CAPITOL  
SALEM, OREGON 97310

June 23, 1980

President Jimmy Carter  
White House  
Washington, D.C. 20500

Through:  
Mr. Neale V. Chaney  
Regional Director, Region X  
Federal Emergency Management Agency  
Federal Regional Center  
Bothell, Washington 98011

Dear Mr. President:

Following up my letter of June 17, 1980, I respectfully request that you declare a major disaster to exist in the following counties in the State of Oregon:

Multnomah County  
Tillamook County  
Washington County

Ash and mudflows from the eruption of Mt. St. Helens on May 18 and subsequent eruptions have resulted in danger to health, safety and economic losses in the aforementioned counties. The tourist industry and other businesses have suffered economic losses as a result of reduced airline traffic for 3-4 days at Portland International Airport, and the reluctance of tourists and others to enter areas where ash has fallen. Air quality warnings for 7 days have exacerbated the situation. Industries which depend on import and export have suffered economic losses because of the inability of ships to move freely up and down the Columbia River from June 18 to the present time.

In two counties there has been agricultural damage, Tillamook and Washington. Tillamook is exclusively dairy country. Farmers have not allowed their cows out to pasture because of the ash cover, and have had to rely on stored or purchased feed. This

increases the cost of feed, while the disruption in the cows' normal diet has reduced milk production. The economic loss can not be estimated at this time. In Washington County, there are several crops that have been affected. Raspberries may be a total loss. Strawberries are being harvested, but the ash causes a higher rejection rate and the need for increased washings raises costs. There will be damage to seed crops, but actual losses are unknown. Washington County produces a majority of the nations filbert crop. The potential damage to the filberts is not known. There is possible damage to the peach crop, but it is inassessible at this time.

The State and local governments have expended more than one million, as shown in Attachment 1, cleaning up ash and in extraordinary operating expenditures. Business losses are summarized in Attachment 2.

On June 12, I implemented the State Emergency Operations Plan, and activated the State Emergency Operating Center.

The State and local governments will commit to this disaster a portion of the total public assistance costs.

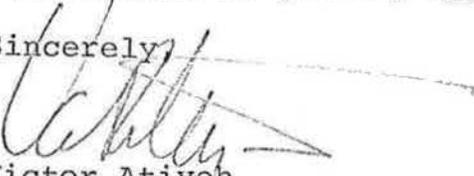
Reimbursement for these costs (even if eligible under a Federal program) will not be requested from the Federal Government for this disaster. I certify that the aforementioned committment will be a reasonable amount of State and local resources available for combating against disaster.

I hereby request that the following types of assistance be provided within the designated counties. (See Attachment 3)

1. Public Assistance: Reimbursement of costs of State agencies and local governments for ash cleaning and emergency operations.
2. SBA Economic Injury Loans for businesses who suffered reduced patronage because of closure of the Columbia River and ashfall.
3. Farmers Home Administration Emergency Loans for farmers who have suffered reduced production.
4. Emergency Conservation Measures for restoration of land where crops have been destroyed.
5. Disaster Unemployment Assistance for those placed out of work because of ashfall or closure of the Columbia River and who are not covered by State Unemployment Insurance.
6. Community Disaster Loans to public entities who suffered reserve losses because of the ash or mudflows.

Because of the press of time, your prompt attention to this matter will be greatly appreciated.

Sincerely,

A handwritten signature in cursive script, appearing to read "Victor Atiyeh", with a long horizontal flourish extending to the right.

Victor Atiyeh  
Governor

<u>Multnomah County</u>	Expended to date	Expected to exp
1. Rental of Equipment	20,000	
2. Operation of Equipment/Ash Removal	20,918	
3. Overtime for personnel	1,900	
4. Administrative expenses	<u>230</u>	
TOTAL	42,048	

City of Portland

1. Rental of Equipment	incl. in #2	
2. Operation of Equipment/Ash Removal	355,600	1,768,000
3. Overtime for personnel	16,200	-0-
4. Administrative expenses	<u>unknown</u>	
TOTAL	371,800	1,768,000

Washington County

1. Rental of Equipment	70,398	27,300
2. Operation of Equipment/Ash Removal	98,465	72,280
3. Overtime for personnel	8,504	unknown
4. Administrative expenses	32,500	20,000
Additional Water & Supplies	<u>40,865</u>	<u>3,000</u>
TOTAL	250,732	122,580

Tillamook County

1. Rental of Equipment	710	
2. Operation of Equipment/Ash Removal	41,820	
3. Overtime for personnel	10,000	
4. Administrative expenses	<u>unknown</u>	
TOTAL	52,530	

Tillamook Co, cont.	Expended to date	Expected to Expe
Loss to Farm & Dairy Industry	385,050	
Add'l Business Losses	<u>15,000</u>	
TOTAL	400,050	

Port of Portland

Cost of Clean-up of Facilities (airport, etc.)	440,000	
Loss of Revenue	5,000,000 to 7,000,000	

State Agencies

Debris Removal	400,000	
Personnel Costs	<u>15,488</u>	
TOTAL	415,488	

GRAND TOTAL	\$ 1,572,598	\$ 1,890,580
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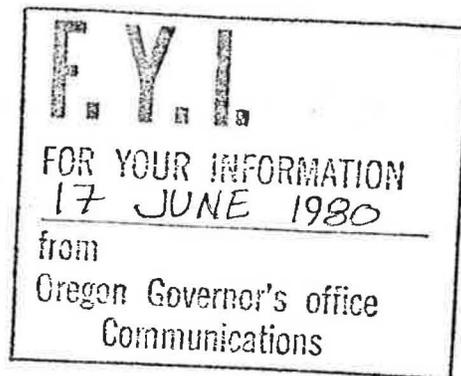
VICTOR ATIYEH  
GOVERNOR



OFFICE OF THE GOVERNOR  
STATE CAPITOL  
SALEM 97310

June 17, 1980

President Jimmy Carter  
White House  
Washington, D. C.



Dear Mr. President:

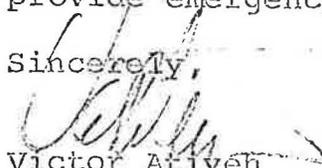
You are aware of the immense havoc created by the May 18 eruption of Mount St. Helens. Enormous quantities of silt and debris were carried down the Toutle and Cowlitz rivers on that and succeeding days, causing a substantial blockage of the Columbia River near Longview, Washington. The Port of Portland, Oregon, is suffering serious economic distress by reason of this blockage and consequent reduction of shipping.

Two subsequent eruptions of the mountain have discharged great quantities of volcanic ash, much of which has drifted into northwestern Oregon. Presence of this dust in the atmosphere when falling, and when stirred by motor vehicles and ordinary wind, reduces visibility and impedes the flow of traffic for commercial, as well as private, purposes. Damage to motor vehicle engines and other systems has been noted, resulting from this abrasive substance.

A distinct possibility exists that reservoirs of community water systems may be affected adversely by continued ash falls. Ash in streets, washed into storm drains, adversely affects sewage treatment facilities. Some manufacturing concerns requiring a dust-free environment have found it necessary to suspend operations pending installation of more effective air filters.

Taking these events into consideration, as Governor of Oregon I request that you declare the state of Oregon to be a federal disaster area within the meaning of various federal laws which provide emergency disaster and recovery assistance.

Sincerely,

  
Victor Atiyeh  
Governor



2. Zone B - At distances of 50 to 120 miles, ashfall ranging between 12" and 4" is possible.

Affected Counties:

- |               |              |             |
|---------------|--------------|-------------|
| a. Clatsop    | g. Benton    | m. Sherman  |
| b. Tillamook  | h. Clackamas | n. Gilliam  |
| c. Lincoln    | i. Marion    | o. Morrow   |
| d. Washington | j. Linn      | p. Umatilla |
| e. Yamhill    | k. Jefferson | q. Wheeler  |
| f. Polk       | l. Wasco     |             |

3. Zone C - At distances of 120 miles, plus, ashfall of 4" or less is possible.

Affected Counties:

- |              |            |
|--------------|------------|
| a. Lane      | e. Union   |
| b. Deschutes | f. Wallowa |
| c. Crook     | g. Baker   |
| d. Grant     |            |

4. Zone D - Limited or lesser amounts, probably a trace only.

Affected Counties:

- |            |              |            |
|------------|--------------|------------|
| a. Douglas | d. Josephine | g. Lake    |
| b. Coos    | e. Jackson   | h. Harney  |
| c. Curry   | f. Klamath   | i. Malheur |

- C. It is important to recognize that ashfall thickness estimates are not a prediction but are useful for planning purposes. Actual ashfall away from the volcano will be determined by the direction and strength of the wind at the time of an eruption.

### III. CONCEPT OF OPERATIONS

#### A. GENERAL

1. Local governments will respond to the occurrence of ashfall with all available resources.
2. Municipal governments requiring additional resources to combat the effects of ashfall will request such resources from County government through contact with the appropriate Emergency Services or Emergency Management Department.
3. County governments requiring additional resources to effectively conduct operations will request state assistance through contact with the Emergency Services Division of the State of Oregon.

4. State resources will be supplemental to local resources and will be provided only when local resources are fully involved in combating the effects of the emergency.

B. RESPONSIBILITIES

1. Municipalities

Municipal governments are responsible for accomplishment of emergency functions within the various cities in the State.

2. Counties

County Emergency Operations Plans (EOP) provide for the accomplishment of emergency functions in unincorporated areas of each County in the State.

3. State of Oregon

The Oregon State EOP provides for state government response to major emergencies anywhere in the State. Resources will be provided to accomplish the following functions in the event of an eruption of Mount St. Helens and consequent threat of ash fallout reaching the State of Oregon:

- a. Governor

Direction and Control  
Public Information

- b. Emergency Services Division

National Warning System (NAWAS)  
Emergency Broadcast System (EBS)  
State Emergency Operations Center  
Local Emergency Services Coordination  
Coordination with Federal Emergency Management Agency

- c. Oregon State Police

National Warning System  
Law Enforcement Data System (Hardcopy backup for NAWAS)  
Traffic Control and Advisories  
Aerial Survey

- d. Military Department - Aerial Survey

Manpower  
Equipment Resources  
Evacuation  
Search and Rescue Support

e. Department of Transportation

1) Highway Division

Highway Advisories  
Highway Closures  
Equipment Resources

2) Aeronautics Division

Aerial Survey  
Airport Advisories

f. Human Resources

1) Health Division

Public Health Advisories  
Technical Assistance to Local Health Officers  
Safe Drinking Water  
Coordination with U of O Health Sciences Center

g. Geology and Mineral Industries

Volcano Technical Advice  
Liaison with U.S. Geological Survey  
Coordination with Oregon Colleges and Universities -  
Geography and Earth Sciences Departments

h. Department of Environmental Quality

Air Quality Advisories  
Water Quality Advisories  
Volcanic Ash Disposal Advisory

i. Department of Agriculture

Food and Dairy Advisory  
Animal Health  
Plant Advisory

j. Department of Fish and Wildlife

Wildlife/Fisheries Impact Assessment

k. Department of Forestry

Liaison with U.S. Forest Service  
Liaison with Timber Industry  
Woodproducts Impact Assessment  
Aerial Survey

l. Department of Higher Education

Oregon State University -

Technical Advisory to County Extension Services

m. Public Utility Commission

Liaison with Public Utilities and Impact Assessment

n. Department of Energy

Liaison with PGE Trojan Nuclear Facility  
Impact Assessment and Hazard Analysis

IV. EXECUTION

A. WARNING

1. Emergency Services Division (ESD)

During the normal work week, ESD will provide "Ash Fallout Warning" in accordance with Annex A, Warning, of the Oregon State EOP.

2. Oregon State Police (OSP)

During all hours that the ESD office is not operational OSP General Headquarters, Communications Section, will provide "Ash Fallout Warning" in accordance with Annex A, Warning, of the Oregon State EOP.

B. RESPONSE

1. The Emergency Services Division will activate the Oregon State Emergency Operations Center upon receipt of warning information.
2. State Department/Agency Heads will report to the EOC to direct agency operation to carry out the emergency function assigned by this Plan.
3. State response will be provided under the authority of a Governor's Declaration of a State of "Emergency Disaster" (ORS 401.520).
4. All public information/news releases regarding the status of emergency operation will be issued by the Governor from the State EOC. The Governor's Administrative Assistant, Communications, will coordinate the preparation and release of news releases and bulletins by State Agency Public Information Officers.

## C. RECOVERY

### 1. Municipalities

Municipal government will report Ash Fallout Impact Information to the appropriate County Emergency Services or Emergency Management Office.

### 2. Counties

County governments will respond to request for assistance received from cities and will report Ash Fallout Impact Assessment Information to the Oregon State ESD at the EOC.

### 3. State of Oregon

- a. The Administrator, ESD, will advise the Governor of the necessity for a state request for a presidential declaration of "Emergency" or "Major Disaster", under Public Law 93-288.
- b. The provisions of the Oregon State "Relief and Recovery" Emergency Operations Plan, Part III, will be implemented to facilitate conduct of recovery operations.

## V. APPENDICES

- Appendix 1 - Call List (Limited Distribution)
- Appendix 2 - Ash Fallout  
Hazard Map
- Appendix 3 - ESD SDO SOP

CONTINGENCY PLAN  
MOUNT ST. HELENS  
VOLCANIC ASH FALLOUT

APPENDIX 1

CALL LIST

EMERGENCY SERVICES DIVISION

24-Hour Number: 378-4124

1. PORTLAND WEATHER SERVICE

Forecast: 287-7881 or 221-3720

Administration: 281-1911

Toll Free: 1-800-452-6286

2. SEATTLE WEATHER SERVICE

24-Hour Service: (206) 442-5498

Administration: (206) 284-4300

3. WASHINGTON DEPARTMENT OF EMERGENCY SERVICES

24-Hour Number: (206) 753-5990

Regular Hours: (206) 753-5255

4. MOUNT ST. HELENS ACCESS PERMITS

Washington State Red Zone: (206) 753-5255

U.S. Forest Service Red & Blue Zone: (206) 696-7500

5. U.S. FOREST SERVICE/GEOLOGICAL SURVEY

USFS: (206) 696-7575      Fire Control: (206) 696-7518

USGS: (206) 696-7500

6. FEDERAL EMERGENCY MANAGEMENT AGENCY

Information: (206) 696-7818/7801

1 - 800 - 426-1633

1 - 800 - 426-5590

Bill Mayer: (206) 696-7813

7. CORPS OF ENGINEERS, NORTH PACIFIC DIVISION

Donald E. Lawyer: 221-4100/4105

Travis G. Brown: 221-4105/4100

MAJ Richard C. Anshus: 221-4100

8. CORPS OF ENGINEERS, PORTLAND DISTRICT

Larry Magura: 221-6099 636-9989 (Home)

COL Terence J. Connel: 221-6000 297-3261 (Home)

Emergency Operations Center: 221-6099

9. UNIVERSITY OF WASHINGTON SEISMOLOGY LAB

Day: (206) 543-7010

Night: (206) 545-1750

10. NEWPORT OBSERVATORY (USGS)

Hours: 8:00 A.M. - 5:00 P.M. (509) 447-3195

11. WASHINGTON STATE SHERIFF'S OFFICES

Clark County: (206) 699-2211

Cowlitz County: (206) 577-3098

Skamania County: (509) 427-5047/5626

Lewis County: (206) 748-8887

## 12. WIRE SERVICES

United Press International (UPI)

Salem: 378-4109 or 363-1918

Portland: 226-2644 (all hours except 1:00 A.M. to 5:00 A.M.)

Call San Francisco: (415) 552-5900 (for service between 1:00 A.M.- 5:00 A.M.)

Oregon Journal Switchboard: 1-800-452-1420 extension 8539 (UPI)

Associated Press (AP)

Salem: 378-4115/6975

Portland: 228-2169 (all hours except 2:00 A.M. to 5:00 A.M.)

Call Seattle: (206) 682-1812 (for service between 2:00 A.M.-5:00 A.M.)

Oregonian Switchboard: 221-8514 as for AP:

Steve Graham: 639-5253 (Home)

Howard Graves: 635-2483 (Home)

## 13. RADIO BROADCAST STATIONS (NEWS)

Astoria:	KAST	325-5923
Gresham:	KRDR	667-8100
Hood River:	KIHR/KIHR FM	386-1511
Newport:	KNPT/KNPT FM	265-2266
Pendleton:	KUMA/KUMA FM	276-5862
Portland:	KEX	222-1929
	KGW/KINK FM	226-5137/5095
	KPAM/KPAM FM	226-7676/227-1925
	KUPL/KUPL FM	297-3311
	KWJJ/KJIB FM	228-4399/228-4396
	KXL/KXL FM	231-1071
	(EBS) KYTE/KYTE FM	222-1841/223-9202/0141
Salem:	(EBS) KSLM/KSKD FM	581-5756/4636/8433

## 14. TELEVISION STATIONS (NEWS)

Portland:	KGW (8)	226-5111/5030
	KOIN (6)	243-6610
	KPTV (12)	222-5124
	KATU (2)	231-4264

14. TELEVISION STATIONS (NEWS) Continued

Portland: KOAP (10) \*KOAC, Corvallis 754-4311  
 \*handles their news programming

Salem: KVDO (3) 378-2787

15. PACIFIC NORTHWEST BELL

	<u>OFFICE</u>	<u>HOME</u>
a. Bill Purvine	399-4908	364-9375
b. Chuck Ernst	399-4942	399-9696
c. Ron Adams	399-4950	378-1107

16. OREGON STATE DEPARTMENT/AGENCY HEADS

a. ADULT & FAMILY SERVICES:		
Keith Putman, Administrator	8-3680	362-6410
b. AERONAUTICS DIVISION:		
Paul E. Burket, Administrator	8-4880	362-5126
c. AGRICULTURE		
Leonard Kunzman, Director	8-4152	362-5583
George Moose, Deputy Director	8-4665	363-3448
d. EDUCATION		
Verne A. Duncan, Supt.	8-3573	659-8091
e. ENERGY		
Lynn Frank, Director	8-4131	363-4988
f. ENVIRONMENTAL QUALITY		
William H. Young, Director	229-5395	644-0606
James Swenson, Info. Officer	229-5327	282-3377
Warren C. Westgarth, A.E.C.	229-5983	245-3595

	<u>OFFICE</u>	<u>HOME</u>
g. FIRE MARSHAL		
Clyde Centers, Fire Marshal	8-4917	363-2069
Patrick Franzen, Chief Dep.	8-4917	393-7709
h. FISH & WILDLIFE		
John R. Donaldson, Director	229-5406	246-7963
Monty L. Montgomery, A.E.C.	229-5455	292-2708
i. FORESTRY		
H. Mike Miller, State Forester	8-2511	749-1565
j. GENERAL SERVICES		
Darrell P. Ralls, Director	8-4691	362-5260
k. GOVERNOR'S OFFICE		
Lee Johnson, Exec. Ass't.	8-3101	636-5174
Bob Oliver	8-3138	838-4007
Denny Miles	8-3121	370-7303
l. HEALTH DIVISION		
Kristine M. Gebbie Assistant Health Director	229-5032	221-1340
Max Bader, Health Officer	229-5910	242-0718 (Mon.-Fri.)
John A. Googins	229-5792	292-0915
m. HIGHWAY DIVISION		
H.S. (Scott) Coulter State Highway Engineer	8-6891	399-0083
F.T. (Floyd) Lacey, A.E.C.	8-6528	362-5194
n. HUMAN RESOURCES		
Leo T. Hegstrom, Director	8-3034	364-4546
LEGISLATIVE ADMINISTRATION		
Marv Schirman, Director Administrative Services	8-8541	378-1736

p.	MILITARY DEPARTMENT	<u>OFFICE</u>	<u>HOME</u>
	Operations	8-3903	378-3905
q.	OREGON STATE POLICE		
	John C. Williams, Supt.	8-3720	370-7480
	LTC Eugene W. Daugherty	8-3720	393-1911
r.	PUBLIC UTILITY COMMISSION		
	John C. Lobdell, Commissioner	8-6611	362-7018
s.	WATER RESOURCES		
	James E. Sexson, Director	8-2982	364-3807
t.	GEOLOGY & MINERAL INDUSTRIES		
	Don Hull, State Geologist	229-5580	281-4895
	John Beaulieu	229-5580	234-6323
	James Bela	229-5580	761-3539



CONTINGENCY PLAN  
MOUNT ST. HELENS  
VOLCANIC ASH FALLOUT

APPENDIX 3

Standard Operating Procedures for the Emergency Services Division's Staff Duty Officer (SDO). \*\*

\*\*IN THE EVENT OF RECEIPT OF ASH FALLOUT INFORMATION FROM ANY OTHER SOURCE OTHER THAN THE LISTED (II.A.) AGENCIES, VERIFY THE REPORT WITH ONE OF THE OFFICIAL WARNING ORIGINATORS.

I. PURPOSE

To provide the Emergency Services Division's Staff Duty Officer (SDO) guidance for initiating State government's response to an "Ash Fallout" due to a volcanic eruption of Mount St. Helens.

II. EXECUTION

- A. The Staff Duty Officer (SDO) may receive Ash Fallout Warning from:
1. Portland Weather Service Forecast Officer
  2. Washington State Department of Emergency Services
  3. U.S. Forest Service/U.S. Geological Survey Emergency Coordination Center (ECC), Vancouver, Washington.
- B. Upon receipt of an "Ash Fallout Warning" from any of the above sources, the Staff Duty Officer (SDO) will:
1. Issue, or have Oregon State Police, issue, an "Ash Fallout Warning" via NAWAS and back up with a LEDS teletype.
  2. Notify an ESD Agency Representative (AR).
    - a. Harvey L. Latham
    - b. Sandra Ekstrom
    - c. Archie Mustard
  3. When authorized by the Agency Representative (AR), notify the remainder of the staff to report to the EOC.
  4. Following completion of the above, proceed to the EOC.

C. The Agency Representative will notify:

1. AP and UPI
2. Bob Oliver
3. Other Agency Representatives

D. The Agency Representative then proceeds to the EOC.

E. Initial "EOC" Assignments:

- |                                       |                  |
|---------------------------------------|------------------|
| 1. Director of Operations             | Harvey L. Latham |
| 2. State Agency Operations            | Sandra Ekstrom   |
| 3. Local Government Operations        | Archie Mustard   |
| 4. Communications Officer             | Gerald Harpham   |
| 5. Warning Officer (NAWAS)            | John Olson       |
| 6. Information Officer                | Tom Minty        |
| 7. Communications/Warning (LEDS)      | Barbara Adams    |
| 8. Communications/Warning (Telephone) | Abby Hagen       |
| 9. Logistics/Records Officer          | Evelyn Honsowetz |

UNITED STATES DEPARTMENT OF AGRICULTURE

FARMERS HOME ADMINISTRATION  
Room 1590, Federal Building  
1220 S.W. 3rd Avenue  
Portland, Oregon 97204

June 19, 1980

Honorable Victor Atiyeh  
Governor of the State of Oregon  
State Capitol  
Salem, OR 97310

JUN 20 1980  
Governor Atiyeh

Bob

RECEIVED

JUN 20 1980

Governor's Office

Dear Governor Atiyeh:

We have, June 17, 1980, declared Clackamas, Clatsop, Columbia, Multnomah, Polk, Tillamook, Washington and Yamhill Counties eligible for Farmers Home Administration emergency farm loans due to volcanic ash from the eruption of Mt. St. Helens starting 5-25-80 and continuing to date which affected berries, vegetable and forage crops and tree fruits.

In order to qualify for a loan a farmer will need to show that he/she is unable to obtain the loan through his/her normal sources(s) of credit and must show a 20% loss in his/her primary farm enterprise.

We thank you for your interest and cooperation in this matter.

Sincerely,



KENNETH K. KEUDELL  
State Director

PJG:j1

Office of the Governor  
State of Oregon

FARMERS HOME ADMINISTRATION  
Room 1590, Federal Building  
1220 S.W. 3rd Avenue  
Portland, Oregon 97204



June 19, 1980

Honorable Victor Atiyeh  
Governor of the State of Oregon  
State Capitol  
Salem, OR 97310

*Handwritten initials*

RECEIVED

JUN 20 1980

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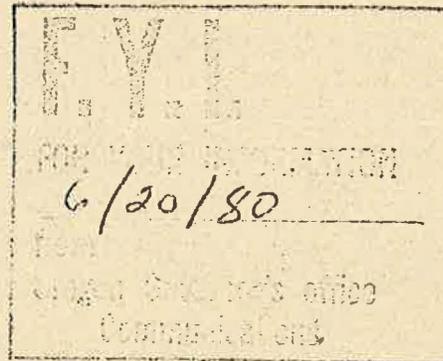
We thank you for your interest and cooperation in this matter.

Sincerely,

*Handwritten signature of Kenneth K. Keudell*

KENNETH K. KEUDELL  
State Director

PJG:j1



Following is a re-type of a letter received from the U.S.G.S. via telecopier.

Received: 3:30 P.M. April 3, 1980

APR 03 1980  
Governor Atiyeh

Emergency Services Division

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April 3, 1980

Mr. Edward Chow  
Director, Department of Emergency Services  
State of Washington  
4220 East Martin Way  
Olympia, Washington 98504

Dear Mr. Chow:

Two short burst of harmonic earthquake tremors on Mount St. Helens Volcano Tuesday and Wednesday evenings have increased our concern that an eruption involving molten lava is more possible now than it was a few days ago. Therefore, we wish to update our initial Hazard Watch for Mount St. Helens, Washington.

Such harmonic tremors have been observed to precede and accompany eruptions at monitored volcanoes elsewhere in the world. Such tremors have also occurred without being followed by an eruption. However, the harmonic tremors at Mount St. Helens are the best indication so far that moving magma is involved. Therefore, we are not able to predict from present information whether this apparent subsurface movement of magma will produce eruption of molten material on the surface.

The enclosed advance copy of a press release provides additional information. We will continue to keep you informed of our monitoring activities as new information becomes available.

Sincerely yours,  
Robert L. Wesson

for H. William Menard  
Director

Enclosure

(U.S. Geological Survey)

Following is a re-typed copy of a News Release received from the USGS via telecopier.

Received: 3:30 P.M. April 3, 1980  
Emergency Services Division

INCREASED CONCERN OVER MOUNT ST. HELENS VOLCANO

Two short bursts of harmonic earthquake tremors on Mount St. Helens Volcano Tuesday and Wednesday evenings have increased concern of U.S. Geological Survey and University of Washington scientists that an eruption involving molten lava is more possible now than it was a few days ago.

The USGS scientists emphasized that they still had no real basis for predicting such an eruption based on the information available, but that they have alerted local and state officials to their heightened concern as part of the Geological Survey's hazard watch system.

The harmonic tremors - continuous release of seismic energy in contrast to the distinct bursts of discrete earthquake events - are typically associated with the underground movement of magma.

Dr. Robert Tilling, volcanologist, USGS National Center, Reston, VA., and chief of the Volcano Hazards Program, said, "All recent volcanic eruptions in Hawaii have been preceded and accompanied by such harmonic tremors. Similar harmonic tremors also have been observed to occur during eruptions at monitored volcanoes elsewhere in the world, including Japan, Iceland, Italy, and Central America. Such tremors, however, have also occurred without being followed by an eruption.

"The harmonic tremors reported at Mount St. Helens are the best indication so far that magma is involved and moving underground," Tilling said. "We still can't predict, however, whether this apparent sub-surface movement of magma will break through the surface to produce an eruption of molten materials."

The harmonic tremors were recorded by a seismic network operated cooperatively by the University of Washington and the USGS. The first burst of continuous tremors occurred from 7:25 to 7:30 P.M., PST April 1, and the second, time 7:40 to 7:55 P.M., PST April 2. The April 1 burst was relatively weak. The April 2 burst was strong and recorded on instruments on a regional basis.

# # # #



## STATE OF OREGON

## INTEROFFICE MEMO

TO: Governor Atiyeh

DATE: March 5, 1982

FROM: Bob Oliver *Bob*

MAR 10 1982

Governor Atiyeh

SUBJECT: Mount St. Helens

Early this morning a teletype message received in Harvey Latham's shop advised us the mountain is stirring again. During the past 10 days there have been more than 100 minor earthquakes centered under the crater. No substantial amount of additional gasses are being emitted, but there has been some tilting of ground -- which could indicate upwelling magma.

The Geological Survey has not yet issued an eruption alert or closed any of the zones, and makes no predictions at this point. It is, however, a renewal of activity.

I will be "on the string" all weekend, but will not contact you again unless there is a drastic turn for the worse.



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