

YANKEE ATOMIC ELECTRIC COMPANY

EMERGENCY PUBLIC NOTIFICATION SYSTEM YANKEE VERNON AND ROWE

OCTOBER 10, 1980

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#### EXECUTIVE SUMMARY

The publication of upgraded emergency planning regulations (10 CFR Parts 50 and 70) on August 19, 1980 by the Nuclear Regulatory Commission (NEC) makes final a protracted period of discussion regarding the steps required to be taken by nuclear power plants in the event of a radiological emergency.

Recognizing the importance of emergency planning and in anticipation of this action by the NRC, Yankee Atomic Electric Company engaged the services of Analytical Systems Engineering Corporation (ASEC) to assist in developing cost effective approaches to prompt notification of the public throughout the 10 mile emergency planning zones of their two plants in Rowe, MA and Vernon, VT.

These areas present both demographic and geographic limitations to uniform or standardized systems for emergency warning. Terrain has a dramatic impact, for example, on the viability of sirens.

What is proposed is a community-by-community upgrade based upon the unique needs of each. The primary notification method for all thirty-six towns will be through the procurement and installation of National Weather Service receivers and selected installation of new sirens in some of the more densely populated centers. This will be backed up by increased mobile public address capabilities on local emergency vehicles.

The total cost for procurement and installation of all equipment for both plants is estimated at slightly more than \$250,000.

This report and supporting documentation should provide a basis for further discussions internal to Yankee Atomic Electric Company, between Yankee and Federal, State and local emergency preparedness officials and with the NRC. The results of those discussions will hopefully meet the spirit and intent of the NRC requirement and lead to implementation of improved public notification capabilities.

#### 1.0 INTRODUCTION

#### 1.1 BACKGROUND OF PROJECT

In late 1979, the Nuclear Regulatory Commission proposed a series of changes to 10 CFR Part 50, Appendix E which were then released for public comment in January 1980 under NUREG-0654/FEMA-REP-1. Among these changes was a requirement for a system capable of promptly notifying the public in the 10-mile Emergency Planning Zone (EPZ) around each nuclear generating plant in the event of a significant accident at the nuclear facility.

After receipt and consideration of all comments, the proposed changes were published in the Federal Register of 19 August, 1980. However, in May 1980 Yankee Atomic Electric Company decided to pursue a course of ascertaining the present capabilities of communities within the Emergency Planning Zone around two of their plants, Yankee Vernon and Yankee Rowe. To implement this course of action, Yankee Atomic employed consultants in communication and public administration from Analytical Systems Engineering Corp (ASEC), Burlington, Mass.

### 1.2 OBJECTIVES OF THE PROJECT

The objectives of the project were contained in a scope of work submitted by Yankee Atomic in a letter dated 31 March, 1980, namely:

- 1. Evaluate existing community warning devices which:
  - a. have a capability to produce a distinctive signal
  - b. how many can hear the signal
- 2. Prepare maps showing impact of existing systems and
  - a. show void areas
  - b. show where no warning devices exist
- Determine availability of warning devices for void areas and:

- a. identify primary and alternative systems with associated costs
- b. identify devices for urban and rural populations
- identify recreational areas with seasonal populations together with effective warning devices.
- Identify communities with and without 24-hour warning capability.
- Provide for operation of warning systems in the event of commercial power failure.

## 1.3 PROJECT METHODOLOGY

The first and most important part of this work was the conduct of a survey in each of the 36 communities lying wholly or partly within the 10 mile Emergency Planning Zone. To accomplish this, forms were designed to gather information on demographics and the major governmental departments pertinent to the survey in each community. These forms addressed the personnel, equipment, standby reserve and other emergency capabilities and facilities primarily available to the police, fire and civil defense organizations in each community involved.

Following this, arrangements were made through the State Civil Defense organization or through direct contact to identify the individuals involved, arrange appropriate meeting times for interviews, inspect facilities available, ascertain appropriateness of available equipment for a notification process and note lack of equipment vital to an effective notification process. This included visits to outside sources of mutual aid and a determination of outside aid in the time frame required by the NRC. Visits and conferences were also held with representatives of alternative communication systems and determinations made of their applicability to the notification process.

It was also considered pertinent to analyze the capability of certain Federal Systems of communications to contribute to the notification process such as NAWAS.

In addition, proposals and costs were solicited in related fields of communications media such as audible alarm devices, telephone and computer networks to automate notification procedures, existing radio warning networks and mobile P.A. systems.

All of this information was considered with regard to the geographic areas involved; terrain, population density, personnel availability, equipment condition and cost effectiveness of new or enhanced warning systems.

The results of this analysis are contained in this report.

#### 2.0 FINDINGS

# 2.1 EXISTING RESOURCES FOR NOTIFICATION - YANKEE ROWE

Each of the eighteen communities within a ten mile radius of Yankee Rowe were visited. The Police Chief, Fire Chief and Civil Defense Director in each town was interviewed. The information provided by them indicating their existing resources including manpower, equipment, and systems are shown on the survey forms completed for each Town in Appendix A.

# 2.2 EXISTING RESOURCES FOR NOTIFICATION - YANKEE VERNON

The existing resources in each of the eighteen communities within a ten mile radius of Yankee Vernon are shown on the completed survey forms for each Town in Appendix B.

A compliation of the data for each of the thirty six Towns in both Yankee Row and Yankee Vernon are shown Table 2-1.

# 2.3 OPTIONS AVAILABLE FOR EXPANDED WARNING CAPABILITY

## 2.3.1 Siren Systems

The ability to hear a siren, even those of great power (over 100 db), is affected by a number of factors, such as:

- wind velocity and direction
- · humidity and air pressure,
- · terrain.
- obstructions.

TABLE 2-1 YANKEE VERNON - 10 MILE RADIUS

officials rop	Population	Aros	Police Police Radio Freq. Vehicles Payers	Police Vehicles	Fire Radio Ereq.	Vehicies	Stren	No.	Flan Available	Maintenance	
Fire thief 1700 198. Chief 190 :	ACRESCY ASPARA	W/13	155-112 95-110 44-82 Reset 101	2 p.A.	10.54	1 p. N.	to the street	Neurone	Year	Poor (treated daily)	
Selection 350 Fire Circl Spot 33 Aprol 250 Folice Pep.	sportered to Sportered to Som Trans.	- te - bs - gs	i P.A. Vall. I Vager	Thomas - Francisco	Chers. 2 W. Chers. 3 Sport. 3 Add 34. Phair 3 Eager	Total B	B. 78 stern carls area	k cash atta	los.	Monthable -	
Fed. 9. Ser. 10. Ser.	Samuely Lab Lond Ones rectain 10,000	95.5 sq. mt.	155-07 Count 156-08 St. P. 154-64 Emery 155-475-St. R	y 1 Youn J. 12 por J. 14 port	8.5 2.1 2.1	B F.A. Volte.	) sixens	) Extracte	Yes	Establish	
9.8	Econ 1 Econ Contract	10 SS	155,070 r. h. 123	2 Sedans	11.74	2 P.A.	155, 34 1605, 155, 070 190, 154, 04 1988A 155, 220LIK.	2 Portable	Yes But Current	Claim 2 mi.	
8 8 9	Solo Sommer add 200	04 /02	020.070	a personal all radio squipped	2 F.A. post 160 %.		Antique Stren	to the spen. Imagestable	pasedate hasan	1	Approx 6 houses (13 people) in 10 MC.
51111	S. P.S. School School S. P. S.	q	19: 16:	P.A.	11.54 1 F.A. 10 payers		Fire Stationen, is 1 siron F.S.gortable Claim 7 mt. vin 100 sadio 100.0	cen. Is nortable can run radio.w	100	Person	12 houses 1100 people to 10 NZ. 20 has all phone numbers

TABLE 2-1 YANKEE VERNON - 10 MILE RADIUS (CONT.)

Hanicipal- ity Start	Public officials	Population	Atto	Police Police Radio Freq. Vehicles Pagers		Fire Sadio Fire Freq. Vehic Pagers	les	Siren	Aux. Par.	Plan Available	Maintenance	
Bernardson PA	Folia G.	1.0460		19. 16 19. 24 F. A.	k sedam	13.54 MIZ 13.46 MIZ E2 pagets.	,	1 safette	2 postuble Yes	Yes	teach	
Garlford,	Selectmen Fire Ch. Cb Dir.	1415	£	vr st. Fol.	VF St. Fol. I personal	2.54 AL		1 sires	2 portables		7	
natifes.				SEE HALFPA. (HOME)	(BOME)							
Brattlehore VF W. Brat- tleboro	Fire G. Pol. G. Tom Mr. Dir. Pub.	12,400 (15,000 - 20,000 on bustnesss day	1	19.10 460.200 460.500	5 sedans 5 F.A.	13.54	2.4.8	CB Radio 2 strems	Available. 10 KM 2 portable	Yes	Town 1/2 covered	F.M.D. 19 Vehicles all radio equipped 155.82
Hariboro, VF	Free G. Pal. G.	600 College 200	36 sq. mi.	22 22 24 24 25 25 20 20 20 20 20 20 20 20 20 20 20 20 20	2 (Parts)	154.43 154.01 2 page 13 1 kcd Phone	*	hy audible devices	2 portubles 60	2	House	
Dummerston VT M. Dummerston morfston	CO Dir. Fire Ch. Foliae Off	1300		21 64	1 P. A. B Pub. Marks on 19.10	154 13 To pages	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	45.52 2 streets	1 portable	1	~	

TABLE 2-1 YANKEE VERNON - 10 MILE RADIUS (CONT.)

Motes				prepatcher for TRI-STATE Brockside Fire Sta. has bern but to aux. pet.		uprox 100 supple in cach
Sixen Maintenance Condition	2	Pair	possi		Post	pose
Emerg. Plan Avoilable	1	5	Yes	4 To 4	dg.	
Aux. Pwr.	i fraed I portable	i portoble	i fixed I portable	1 fixed jobs 1 fixed fits 3 portable 1 fixed on Shelburia Boostain	Fortable Gen.	Fire statto yen.
CD Radio Siren	nes 10 horse old siren	1 34140	l stron	Fire Sta. Ladios 2de meter Checke Air Born(2)	Farron told) covers 5x of town	at Fire Station
Pire	4	4 3 personal Radio Equipped	4 4	*	**	P.A.
Fire Radio Freq. Pagers	13.54 NR2 18 papers	53,54 2: P. A 3.2 pospets	13,54 Miz	33. 70 33. 54 764 -57ATE 20 page ts	X	18.54
	I seden F.A.	~	2 personal	**	J (personal) 31,54 2 F.A.	Found Private
Police Police Radio Freq. Vehicles Pagers	158, 73 155, 97 460, 200 460, 500	39.46	19, 10 MIZ 30, 24 MIZ	136, 33 5 Rd gen.	2. 2.	19. 16
Arca		40.32 67 miles of road	14 miles toad	3 2		01
Population	1206	Z400 1200-1500 branner 1006, comp	1276 Ht. itecason Sch. 550	905,91	You Comp Lines Co Audi	5105.4
Public	Schoolson For Gi.	S and S	Pot. de. Fire de. Gamer.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	PA CO DEE. Free Disc patches
ty start	Vexions, vy	Rorthfreid NA	\$	NA NA	toyden, 166	Cotrass, M

TABLE 2-1 YANKEE ROWE - 10 MILE RADIUS (CONT.)

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Maintenance Confittion	Power	Means to the second	Pract	Falls	la de la constante de la const	19111	
Elan Flan Available	ž	ž	ě	â	ž	Kesa	
Aux. Por.	2 Postable	Bean	2 Post ablic	2 Poetable 4500 M 1750 M	1 Postable	2-1500 1-15 88	
CD Nadko Siron	1 serves	the audithin- devices.	7 544,086	1 sten 2 Portable (10 yrs old) 1750 W	Extremely from 5 col phones.	1 pixen cale [13	
Fire Vehicles		Bosse		***		**	
Fire Radio Fire Freq. Vehic Page 65	354,010	waterington Fig. bagit.	154 ata (Deerfreid)	154.01 45.48 27 pagess	7 T T	Mass Bear- field Val.	
Police	l personal	2 percental	I personal	Hall 475 160 Sed 1 section 41 17 Act Them 4 who delver 1 Fixed gen 2 F.A.	I personal	k aestan k P.A.	
8	460 177 460 500 vr 8t. feet) 155, 070 Becomington	Notes	hot. 425 4ut. 500 1-3000 M. Aux., Pvr.	460 475 ( secto 45.48 Trans 4 wh. 1 Fracel gen 2 F.A. (Aux)	460, 500	F9. Mt. <b>18</b> 0.2	Y and
Area	A separation		74 TA 0 92	6,624 across		25 sq. m.	SEE VERNIN
Populat ton	1 100	pos pos	1,500	9 8 8	4546 Sett Summer	404 Faponsis: Lab and - Nosi animpritis is ancelerated	111
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Sent tipal - 1		ocacolouty.	eles i suighum, VX Jackustovitib	at teatupton.	dolities, VT	Braille, 196	Distain. #

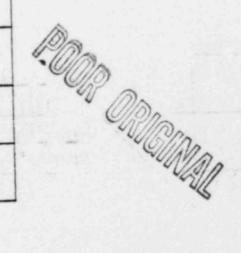


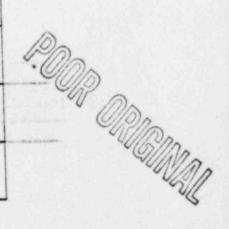
TABLE 2-1 YANKEE ROWE - 10 MILE RADIUS (CONT.)

registrate off		Buckland, Follows MA Co.	Chastement, Vol.	martey. #6 Co.	to we down	riorida, the sel	Adams, NG CD
Public	Cl. Date. Fol. Dated Ans't. Pice.	rate characters the part	rut. Guet rue Guet co pur.	Called Fire	rot. Guet rire Chief	setuction race Chief but, Chief Co far.	CB far. Free Chief Februa Chief
Populat ton	sto canp = 30 stannes residents	social to people for to make some	topo	lou 50-100 weekends some skiin	500 100-200 Cappers	800 76,000 (601 des)	10,700 Be people within 10 mile cone
Area					16, 21 og mi 45, 42	24. 21. 54. 45	23.02 sq.ms
Police Radio Freq. Papers	4 2	44.74	**. 74	thorns	7 9		154,740
Folice Vehicles	4 per sonal	1 sector	i vedan	2 tembu	6. pertucuak	Frivate car C.B. Rathou	*
Freq.	33.54 154.01 on 110.8	33.54 Miz.	71,74 2 savetes	De carriero de car	154.310 10 papers	354, 310 12 papers	154, 110 15, papers
Vehicles	2 43 2 town yeath 2 perhenal	1 1 F.A. 57 frie box throughout town		House Openwaded asy Charles word)			
Stren	4 sarca	l stren	2 1110315	Manne		1 Stevens	country filter  Factors  Statement
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Flan Available	N. S.	ž		Berne	Year		à
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				Son of population to so	25% of population to	i de la constante de la consta	



TABLE 2-1 YANKEE ROWE - 10 MILE RADIUS (CONT.)

	O Bomes in Town 2 of those in Monroe Bridge			in 10 M2.
	Then Then Then 22 of these Brid			260 of De
Maintenance	Pont	Good	Streen approx	ant cond.
Flan Flan Available	Yes	Yes	ž	9
Aux. Par.	Neave	Both Police & Fire Available 1 KW	Neme 1 Portable 2000 M	and and 1 son a 15m a
CD Radio Siren	Massie	Maistles	1 51200	e si se
First	2 P.A.	8 1 F.A. Aux-2-2003 2 portable	3 1	4 4
Fire Hadio Freq. Pagers	11.54	151.35	154, 110	6 pagers
Police	4 personal	S sections 4 P.A.	I sedan I F.A.	The recent
l'est,	13 - 16	156.21 154.74 Aux 168	154,740	Remo
Asea		2.2		
Population	200 5 summer bosoco	17,500 St. college J,000 oct 15,000 St. 500-200 Camp - 1000	11 4 2 4	,047
Public	tire Chief cD Brocker Patros Rep.	CD Director Fire Chief Set. Police	Fire Chief	Selectean s Co Dir. Fire Chief
-	Bontou, MA	Heath Adams	ct acksburg,	YY VE



On still days, wind velocity virtually zero, sirens which can be heard up to one mile (1.6 Km) can be heard only occasionally in very moderate winds of 12 mph (20 Km/hr) when the hearer is upwind. Maximum hearing distance would be less than one-half mile (0.8 Km). In stronger winds of 30 mph (48 Km/hr) hearing distance is cut to approximately 100 yards (90 meters) upwind.

Heavy air, barometric pressures above 30 inches (66 cm) and with humidity above 50% will affect hearing since sound is rapidly attenuated at approximately 6 db per 100 yards (90 meters).

Uneven terrain such as rolling hills, gullies, bodies of water, trees and brush tend to cut sound level by absorption of sound at approximately 9-12 db per 100 yards (90 meters) depending on amount and depth of the absorbing material.

Other obstructions, such as high buildings, large bodies of earth, etc., have a devastating effect on hearing since sound may not be able to go around large obstructions or is attenuated so as to be lost in background noise. In like manner, personnel inside large or small buildings with doors and windows shut (winter conditions) may not hear sirens, even those located 100 yards (90 meters) away due to a minimum attenuation of 20 db through standard construction materials.

Another factor under all conditions is ambient noise. It has been shown that even under low ambient noise levels (40 db or less) the siren sound arriving at the listener's area must be at least 10 db above ambient in order to attract the listener's attention.

In the years pre-dating WWII, the installation and usage of sirens was invariably to warn local residents of a fire in the area or (in many Eastern communities) to call volunteer fire fighters to a rallying point such as a local fire station. After WWII and during the 50's, multi-toned sirens came into limited use where a continuous tone indicated fire and a warbling tone indicated some sort of civil defense emergency (or threat of nuclear attack). This type of siren and its

usage in CD never received widespread recognition and its understanding by the present population is very limited or even forgotten in most areas of the country. Thus, the most prevalent thought today when a siren is heard by the general population is that there is a fire somewhere.

The acquistion and installation of multi-toned sirens would be a formidable and expensive task. But beyond that would be re-education of the general public to the meaning of the multi-toned siren. This educational process would be an even greater task and far more expensive in time and money. Since the areas around both Yankee Rowe and Yankee Vernon attract thousands of transients each year, the educational process could not be limited to only local residents. In effect, the process should be a national undertaking so that the population in all parts of the country would know that a certain tone from a siren would have the same meaning no matter where it is heard. This is underscored by the fact that the approximately 10 licensed reactors involve tens of millions of persons within the EPZs of this country.

## 2.3.1.1 Audible Device Coverage - Yankee Vernon Area

All of the 13 communities within the 10 mile zone of Yankee Vernon have an audible device (siren) with one exception (Marlboro).

Most of these sirens are manually operated by the first volunteer to reach the fire department garage or associated building with the TriState Mutual Aid (TSMA) have their sirens remotely operated after a call of fire into Southwest Mutual Aid (SWMA) or TSMA. These statistics are given in Table 2-2.

In some communities, the Fire Chief and other selected officials have "Red Phone' circuits with an additional button using the phone line to activate a relay at the siren location which in turn activates the siren. This feature is also indicated in Table 2-2.

Many of the communities have outlying population centers separated by several miles but still within town boundaries. Some of the larger communities, such as Chesterfield, have outlying population centers named West Chesterfield and

TABLE 2-2

# SIRENS/AIR HORNS - YANKEE VERNON AREA

Committy	Audible Device Location Fire Station	Who Controls Fire Department		Capability Single Tone	Ranched Ras than 201 Very old	Very old
Chester field dest Chester field spofford	Fire Station Fire Station Fire Station	Fire Department	Station, Romote Ly SWHA Manual Bach Station, Romote Ly SWHA	Single Tone	Est. Jose than 50	Pederal 5 HP Very old Very old
Suansey East Contor Heat	One Each Fire Station	Fire Department	Manual Each Station, Remote by SWMA & Tri- State	Single Tone	SSt. less than 20% Old - will not cover within yeas than 5% (250) 10 mile zone within 10 mile	Old - will not cover within 10 mile zone
dinchester Central Fire Station Ashuelot Sub- Station	Fire Station Sub-station	Fire Department.	Manual at Station, Single Tone Remote by SWMA & Fri-State	single Tone	Est. less than 20% old -	- 610
Kt chaond	Fire Station	Fire Department	Manual at Station, Single Tone Remote by SWMA	Maje Tone	Est. less than 200 only 2% population in 10 mile zone	Very old 24 inside 10 mile zone would not hear siren
Marwick	Fire Station	Fire Department	Red Phone can key Single Tone on	Single Tone	Est. less than 200	old - stress to some sould not hear sires

TABLE 2-2 SIRENS/AIR HORNS - YANKEE VERNON AREA (CONT.)

Consumity	Vernon	horchitald	em.	Bernardaten	Greenfield	Leydon
Audible Device Location	Fire Station Old School House	Fire Station	Fire Station	Fire Station (Town Hall)	Fire Station (Air Fire Station Hotal Brookside (Siren)	Pire Station
Who Controls	Avenue Answering Service - Brattle Boro	Fire Department	Fire Department and any Red Phone location. Also Turners Falls Fire Dept.	Fire Station & Streats Store	Fire Station	Fire Department
Hours Available or Covered	24 Hours	After Red Phone kings, first person to Pire Station	by Red Phones	on Call Red Phones will have activation of siren in future	24 hours	on Call Red Phone and then pyramid system to call fire fighters
Capability	Steady Single Tonesst. 70% Wailing Single Tone, Undulating HighViow	Single Tone	Single Tone	Single Tone	Single Tone Covers area  S minutes for Fire within 10 mile  P minutes for cone  Incident at Vernon	Single Tone
Neached Reached	2st. 704	st, less than 204 Old - Sterling	sat. 20% popula- tion in 10 mile zone.	Est. 20% popula- tion in 10 mile zone	Covers area within 10 mile zone	Less than 5.
Rotes	School Strem Old, Will be installed Fall 1980.	Old - Sterling make	Siren good condi- tion	Siren good condition	Stren fair condition	Siren very old.

TABLE 2-2 SIRENS/AIR HORNS - YANKEE VERNON AREA (CONT.)

TABLE 2-2 SIRENS/AIR HORNS - YANKEE ROWE AREA (CONT.)

Community	Audible Device focation	Who Controls	Hours Available or Covered	Capability	Neghilation	
Readsboro includos Readsboro VIIIage	Fire Station (Buadsboro Village)	From Station on	On Call	Three Single Tones (vire-Alext-Take Cover)	Est. loss than	Actual tost above siron useless
Scarsburg	Mono			Mana	Rona	Wilmington Fire Department cover fires
Makingham Village of Jackscorville	Fire Station Building in Jacksonville	Manual Only	On Call	Wailing Single Tone	Est. less than	Strens very old
Wilmington	Conter of Wilmington	Hed Phones (6)	On Call	Single Tone	Est. less than 204	Does not cover Medicaryville within 10 mile zone
Halifax	Sue Halifax under Yankes Vernon					Siren will not cover West Hali- fax, Whitneyville and Harrisville
Colrain	Sas Yankee Vernon					Will not cover inight Road, Heath Road or Adamsville
Money Control of the	Fire Station	Manual Only	on Call	single Tone	Est. less than 20%	Mill not cover Borth Side of Pikhany lake or Bore School

TABLE 2-2 SIRENS/AIR HORNS - YANKEE ROWE AREA (CONT.)

Community Audib	Buckland Fire Stati	Charlemont Town Hall	Hawley No audible devices	Savoy No audil	Florida Stati Tunne Shaft	Adams
Audible Device Location	Station	Town Hall Fire Station	dible	No audible devices	Foute 2 First Station, Moobac Tunnel, Central Shaft Noad	Fire Station
Who Controls	Turn on at any of On Call 57 pull airms in town or from 3 officers' homes	Manually and at 5 On Call pull stations	ī	1	Manually from Fire Station	Fire or Police Station or 54 pull boxes in town
Hours Available or Covered	On Call	On Call	Fire service covered by Charlesout	On Call	On Call	On Call (Covered by Police Supartment 24 hours)
Capability	ALF HOFIN	Wailing Single Tone	None	Моле	Single Tone	3 Cone Air Born
• Population Reached	Est. less than 20%	Est. less than 201	*0	Noted	Est, 204 on mountain tops - valleys poor	Est. 70% popula-
Notes	Cannot be heard inside 10 mile zone. Oxbow (Charlemont) Road - Approx. 60 people	Would not be heard in 5 mile zone	Charlemont strens would not be heard in Hawley	125-150 popula- tion inside 10 mile zone - Villages of Brion and Harwood	Sirens very old	Population mainly in Hoosic River Valley. No pormannent people within 10 mile zone.

TABLE 2-2 SIRENS/AIR HORNS - YANKEE ROWE AREA (CONT.)

Community	Audible Device	Who Controls	Hours Available or Covered	Capability	Reached	
Honroe	No Audible Devices		On Call	None	Roses	Most of popula- tion in Moncoe Bridge, Main Road and Davis Road - all within 5 mile zone.
Horth Adams	School - E. Main Street, Sprague Electric, Market Street, Pump Station, Mass.	Hanuslly each site or from Fire Station	24 Hours	Single Tone	Est. 704	90-954 population within 10 mile zone
Clarksburg	Houghton Street	Any Red Fire Phone (7)	On Call	Single Tone	Est. 30%	stren Old.
Stamford	Fire Station	Any Red Phone (6) or Fire Station	On Call	Single Tone	Euc. 50%	Most of popula- tion in North Bran : Hooste Hiver Valley.
Heath	Fire Station	Hennelly at Station and Red Phones (4)	On Call	Single Tone	Est. less than 2	cat. less than 20% Siren very old will not cover Papose Lake or Rorth Heath in 10 mile zone

Spoffard which have their own fire station with appropriate vehicle and siren. In contrast, Northfield has one fire station with siren but no siren coverage for outlying population centers such as East and West Northfield.

All sirens are made by reputable manufacturers such as Federal or Sterling but most are very old ranging up to 30 years or more. One exception is a very new Federal "Thunderbolt" siren at Vernon. Siren maintenance is almost non-existent in all communities excepting the largest such as Brattleboro and Greenfield and spare parts are virtually unknown. Even the large communities usually have available only a spare diaphram with no spare choppers, drive motors or plumbing.

With the exception of the siren at Vernon (Thunderbolt has three distinct signals available) all sirens are of the single tone variety. Present usage of these sirens is primarily to alert volunteer firemen if within hearing distance. Any other type of emergency, such as an environmental accident, would have to be spread throughout the community by telephone or in some cases by public address systems on police cruisers or fire vehicles.

In most instances where sirens are not operated remotely by SWMA or TSMA, sirens are activated manually at the siren location. In those communities having "Red Phone" installations, some cannot trigger sirens. The two large communities in the area have 24 hour coverage (Brattleboro and Greenfield) and Vernon has a 24 hour capability through an answering service out of Brattleboro. Thus, availability of an audible device in each community, (excepting Marlboro which has none) is generally on a 24 hour basis, but startup of the device will vary by community from less than one minute (if Red Phone activation is available) to over 10 minutes where a volunteer must reach the siren location to activate. All of this time would count against the 15 minute notification time.

# 2.3.1.2 Audible Alarm Coverage by Geographic Area - Yankee Vernon

Warwick - See Mt. Grace Quadrangel N4237.5-W7215/7.5. Warwick siren is outside the 10 mile zone 1-1/4 miles and would not be heard by the population inside

the 10 mile zone. The two populated areas are along Mountain Brook Road and Old Winchester Road. It is estimated 22% (127 people) of Warwick are within the 10 mile zone. There is a third secondary road in the zone with a few habitations.

Northfield - See Northfield Quadrangle N4237.5-W7222.5/7.5. This community is several miles in length on the East bank of the Connecticut River. 96% (2304 people) are estimated to be within the 10 and 5 mile zones. Areas not covered by siren will be South of Maple Ave., North of the golf course, East Northfield, West Northfield and all of the area North of Wanamaker Lake.

Gill - See Bernardston Quadrangle N4237.5-W7230/7.5. Only the Northern portion of the community of Gill is within the 10 mile zone. However, it is estimated 75% of the population (95" people) are in this zone. Areas of concern outside siren coverage are Center Street West of Mason Hill, Bascon Road, Lampblack Road, South edge of Hales Crossing, the pumping stations and Doyle and Boyle Roads to the North.

Bernardston - See Bernardston Quadrangle N4237.5-W7230/7.5. The whole of Bernardston lies within the 5 and 10 mile zone with most of the population in the Fall River Valley between Interstate 91 and U.S. 5. However, siren coverage is only in Bernardston Center. There is no coverage East of Interstate 91 or the Turners Falls area in the Southeast. Also, all areas north of the old cemetery, including North Bernardston, are uncovered.

Greenfield - See Bernardston Quadrangle N4237.5-W7230/7.5. A very small area is included in the 10 mile zone and only Upper Barton Road is of concern. It is estimated less than 5% (925 people) are in this area.

Colrain - See Colrain Quadrangle N4237.5-W7237.5/7.5. The community of Colrain itself lies outside the 10 mile zone of Yankee Vernon and due to terrain, the siren would not be heard anywhere in the 10 mile zone. The small communities of East Colrain and Stewartville and the New County Road, Franklin Hill Road, West Leydon Road and Green River Road all lie within the zone. It is estimated 7% (105 people) live inside the zone.

Leyden's population lies within the 10 mile zone, (98% or 539 people). Due to terrain and population spread, less than 5% are covered by the present siren. Much of the population outside coverage are along Old County Road, West Leyden Road, River Road and West Leydon community.

Richmond - See Keene Quadrangle N4245-W7215/15. Only a very small part of Richmond lies within the 10 mile zone containing only 3% (15 people) of the population. Due primarily to the Franconia Mountain Range, this area is beyond siren coverage. There are no population centers but several roads are involved; Winchester/Richmond, Scott Mountain, Rabbit Hollow and two trails.

Swansey - See Keene Quadrangle N4245-W7215/15. Only 15% (750 people) are estimated to be in the 10 mile zone. This includes the community of Westport, Dartmouth College Road, the West Swansey/Highland Meadows road and unimproved roads. None of this area is covered by siren.

Chesterfield - See Keene Quadrangle N4245-W7215/15. A major portion of Chesterfield lies within the 10 mile zone. This includes the communities of West Chesterfield, Chesterfield and most of Spoffard. The Spoffard Lake summer home community is just outside the 10 mile zone. Due to terrain conditions none of the present sirens can be heard on the roads surrounding these communities and it is estimated that 35% (1955 people) are outside siren coverage.

Winchester - See Keen Quadrangle N4245-W7215/15. The whole of Winchester lies within the 5 and 10 mile zone. However, the Winchester and Ashuelot sirens are both located in the Ashuelot River Valley and have a very short range. It is estimated that less than 20% (700 people) are covered by present sirens. Areas not covered include populated areas along Hale Pond Road, and all roads going South toward Northfield.

Hinsdale - See Keene Quadrangle N4245-W7215/13 and Brattleboro Quadrangle N4245-W7230/15. Hinsdale is 100% within the 5 mile zone. It is estimated that less than 20% (740 people) are within siren coverage. Areas of population outside coverage include Dartmouth College Road, Kilburn Road as far North as Porter Hill, Cannon Hill Road and all of North Hinsdale, including State Route 119.

Vernon - See Brattleboro Quadrangle N4245-W7230/15. All of Vernon is within the 5 mile zone. The new "Thunderbolt" siren is not intended to cover South Vernon nor can it cover the North Vernon Calvin Coolidge Drive Road due to terrain interference. Likewise, North Vernon is not covered. It is estimated 30% of the population (385 people) is not presently covered by siren.

Guilford - See Brattleboro Quadrangle N4245-W7230/15. All of Guilford is within the 5 and 10 mile zones. Due to terrain and population spread, it is estimated only 5% (72 people) will hear the present siren. Population centers such as West Guilford, Green River, Weatherhead Hollow, Wilkens Hill Road, Governors Mountain Road, Pulpit Mountain Road and most of Calvin Coolidge Memorial Drive are out of coverage.

Halifax - See Brattleboro Quadrangle N4245-W7230/15. The portion of Halifax within the Yankee Vernon 10 mile zone contains no population centers but has a number of roads with several habitations. There are no audible warning devices in this area. The roads are Prospect Hill Road, Jolly Mountain Road, Green River Road, Hinesburg Brook Road and a number of unimproved roads from Deer Part and Reid Hollow. It is estimated 5% (23 people) of Halifax population live in the area.

Brattleboro - See Brattleboro Quadrangle N4245-W7230/15. 95% of Brattleboro township is in the 5 and 10 mile zone. Sirens are located in downtown Brattleboro and in West Brattleboro but coverage is estimated to be less than 20% of the population (2400 people). There are heavy concentrations throughout the 5 miles of Molly Stark Trail (State Route 9) and Ames Hill Road. Other heavy population centers are around the country club and Pleasant Valley Reservoir and along several roads leading South off Ames Hill into Guilford.

Marlboro - See Brattleboro Quadrangle N4245-W7230 5. Marlboro has no audible warning devices. Population centers are Marlboro Center, Ames Hill and Marlboro College. It is estimated only 5% (30 people) of the population is within the 10 mile zone. The chief area of interest will be Ames Hill and surrounding roads.

<u>Dummerston</u> - See Brattleboro Quadrangle N4245-W7230/15. Approximately 40% of Dummerston land area is within the 10 mile zone. The major population centers are outside this zone. However, two miles of State Route 30 are in the zone, Wickapee Hill Road and two miles of Calvin Coolidge Memorial Drive with local roads all with population clusters. It is estimated 50% of the population is within the zone.

## 2.3.1.3 Audible Alarm Coverage by Geographic Area - Yankee Rowe

Colrain - See Heath Quadrangle N4237.5-W7245/7.5 and Colrain Quadrangle N4237.5-W7237.5/7.5. That portion of Colrain lying within the Yankee Rowe 10 mile zone contains no large population centers nor any audible alarm devices. There are a number of roads in the area with habitations, i.e., Heath Road, Dwight Road, Adamsville Road, Hillman Road and Wilson Hill Road. Approximately 7% (105 people) of the population is in the area.

Charlemont - See Heath Quadrangle N4237.5-W7245/7.5, Ashfield Quadrangle N4230-W7245/7.5 and Rowe Quadrangle N4237.5-W7252.5/7.5. Most of Charlemont is in the 10 mile zone including East Charlemont. The Northwest corner is in the five mile zone. Siren coverage is less than 20% (210 people) of the population. Population is scattered (all along the Northside of the Deerfield River and particularly along the Rowe/Zoar Road.

Heath - See Heath Quadrangle N4237.5-W7245/7.5. All of Heath lies in the 5 and 10 mile zones. Of the three population centers, Dell, North Heath and Heath, only Heath is covered by siren. This coverage is less than 20% (97 people) of the population. The rest of the population is along various local roads both North and South.

Buckland - See Ashfield Quadrangle N4230-W7245/7.5. Only a small portion of Buckland is within the 10 mile zone. There is a very small population along Charlemont Road, Shepard Road and Avery Road estimated to be 2% (60 people). None of this area is covered by siren.

Rowe - See Rowe Quadrangle N4237.5-W7252.5/7.5. Estimated less than 20% (60 people) covered by siren. Entire community within 5 mile zone. Almost all the population scattered throughout area on light duty or unimproved roads.

Florida - See Rowe Quadrangle N4237.5-W7252.5/7.5 and North Adams Quadrangle N4237.5-W7300/7.5. All of Florida within 5 and 10 mile zones. Three sirens in community will cover 10% (80 people) on mountain tops. Vallevs not covered. Most of population on top or sides of mountains. Terrain very mountainous with heavy forests. Population scattered throughout area.

Savov - See Rowe Quadrangle N4237.5-W7252.5, Plainfield Quadrangle N4230-W7252.5/7.5 and Windsor Quadrangle N4230-W7300/7.5. Savov has no audible alarm devices. Approximately 40% of Savoy land area is within the 10 mile zone. This area is thinly populated (5% or 25 people). The entire area is heavily forested with few roads, mostly unimproved.

Adams - See Windsor Quadrangle N4230-W7300/7.5 and North Adams Quadrangle N4237.5-W7300/7.5. That portion of Adams within the 10 mile zone is approximately 3.25 square miles in the Northeast quadrant of the corporate boundaries. This area has one unimproved road (Old Florida) and has part of the 345 KV Western Massachusetts grid along the Northern slope. There are no permanent inhabitants.

North Adams - See North Adams Quadrangle N4237.5-W7300/7.5. 90% of the land area of North Adams is within the 10 mile zone. It is estimated that 95% of the population (15,750 people) are in this area. Two sirens (Main Street and Marshall Street) overlap to some extent in the town center. The pumping station siren is three miles West of town center and of no use for environmental emergencies. Night usage of the downtown sirens would be of little use in environmental emergencies. An additional siren Northwest of Route 2 near the reservoir could be effective for the bedroom communities. Another siren could be effective in the area of Drury High School.

Clarksburg - See North Adams Quadrangle N4237.5-W7300/7.5. At least 90% of the population is within the 10 mile area (1800+ people). It is estimated that 30% (600 people) can hear the siren. There are heavy population centers along River Road, Middle Road, East Road and at Briggsville.

Monroe - See North Adams Quadrangle N4237.5-W7300/7.5 and Rowe Quadrangle N4237.5-W7252.5/7.5. Monroe lies entirely within the 5 mile zone. Monroe has no audible alarm devices. The population center is Monroe Bridge, one mile from the power plant. The rest of the population is scattered throughout the community, mainly along Davis Road and Main Road.

Stamford - See Stamford Quadrangle N4245-W7300/7.5. That portion of Stamford within the 0 mile zone also contains 90% (675 people) of the population. The siren may cover 50% of those living in the Hoosic River Valley (North Branch). Due to terrain those along Roaring Brook Road and Route 100 up the valley cannot be covered.

Readsboro - See Stamford Quadrangle N4245-W7300/7.5 and Wilmington Quadrangle N4245-W7245/15. Readsboro is entirely within the 5 and 10 mile zones. The siren is spotted on the map for location only - actual tests have shown the siren to be useless. It is considered to cover less than 5% (33 people) of the population. Other population centers are Readsboro Falls and Heartwellville. There is scattered population around North Hill.

Searsburg - See Wilmington Quadrangle N4245-W7245/15. Only a very small portion in the Southeast quadrant lies within the 10 mile zone. There are two roads in the area (South Road and Sleepy Hollow Road) and a portion of the community of Medburyville. It is estimated that 10% of Searsburg population is included in this area (3 people). Searsburg has no warning devices.

Whitingham - See Wilmington Quadrangle N4245-W7245/15. Whitingham lies entirely within the 5 and 10 mile zones. Each of the two population centers have a

siren (Whitingham and Jacksonville) but both are very old and largely ineffective. Estimated population coverage is maximum 20% (240 people). There are many habitations along Routes 100 and 112 and scattered inhabitants around the several bodies of water in the town limits.

<u>Wilmington</u> - See Wilmington Quadrangle N4245-W7245/15. The 10 mile zone extends to the upper reaches of the Harriman reservoir and through the center of the Wilmington community. This zone also covers Routes 8 and most of 9 where the bulk of the Wilmington population is found. Siren coverage is estimated at less than 20% (360 people).

Halifax - See Wilmington Quadrangle N4245-W7245/15. Approximately 25 square miles of Halifax community lies inside the 10 mile zone of Yankee Rowe. This area contains approximately 50% of Halifax population including West Halifax. The rest of the population is scattered throughout the area mainly on local roads.

#### 2.3.1.4 Conclusions

The case for sirens in either Yankee Vernon or Yankee Rowe is very dubious. They are mitigated against for three major reasons:

- · Widely scattered population,
- · Terrain.
- · Cost effectiveness.

Widely Scattered Population - we estimate there are 54,973 people in the 628.3 square miles of the two 10 mile zones around Yankee Vernon and Yankee Rowe. This averages out to 87 people per square mile. This includes the heavily populated centers of North Adams and Brattleboro. If those population centers are excluded from the calculation, then there are only 47 people per square miles or nearly 13 acres between each person in the square mile. Clearly both these areas are very sparsely settled.

Terrain - the terrain in general is a typical Appalachian setting - heavily forested with hills and valleys ranging from over 1,000 feet to over 2,400 feet in

altitude. There are only two divided highway primary roads in the two areas, Routes 2 and 91, with Route 2 having more than 22 miles of highway in the 10 mile zone of Yankee Rowe. All other roads are 2-lane light duty roads or unimproved roads with many switchbacks and "S" curves. Winter conditions will aggravate or make nearly impossible the use of power amplifier equipped vehicles as a warning notification to the public.

Cost Effectiveness - In view of the above facts, it is difficult to assess the cost effectiveness of sirens for the two 10 mile zones since terrain alone would make it necessary to install many more sirens than if the areas were flat and without masking obstructions. Also, considering the distance between habitations indicates that a very large number of sirens would be necessary. Another consideration is availability of power, remote control equipment and installation costs. Prices quoted by a leading manufacturer of sirens indicates that even the smaller and least expensive siren will run well over \$1,500 plus installation costs which would have to include getting power to the siren location. Clearly the expense would not be cost effective for the number of people and the square miles involved.

However, we have identified a few areas where high power sirens would appear to be effective. These are relatively flat areas having considerably denser populations and relatively low ambient noise.

One such area is North Adams. We visualize three additional sirens located as follows:

- 1. Just North of Route 2 in the vicinity of the reservoir,
- 2. Between radio tower WMNB and the Hoosic River,
- 3. North of the Melann Technical School.

All sirens would be high power (125 db) and mounted 40-50 feet above ground either on poles or platforms. They should be dual toned for either fire or civil emergency. An educational program should be implemented by the local CD director as to the purpose of the dual tones. Control should be remote to the North Adams Fire Department.

Another area is in Brattleboro. Two sirens could be used here to supplement the siren near the center of town. One should be located near the high school at the South edge of town and a second in the Retreat Meadows area on the North. Both sirens should be dual toned and controlled by the Brattleboro Fire Department. The Brattleboro CD Director should institute an educational program toward understanding the purpose of the dual tones.

Another candidate for sirens could be Northfield. This community is several miles in length and for the most part is situated within the Connecticut River Valley just South of Vernon. Recommendations are for a dual tone high power siren in the vicinity (just East) of the Route 10 bridge across the river and another on Winchester AVenue near the consolidated school. Also, the present old Sterling siren at the fire station should be replaced with a dual tone high power siren. These sirens should be under control of the fire department and the "Red Phone" system should be expanded so that any "Red Phone" can activate the sirens. Since the dual tone feature can mean either "fire" or "civil emergency", the "Red Phone" should be able to start either tone.

An example of the direct measurement of cost effectiveness is given for the community of Florida. This community does have possibilities for effective siren alert by careful study of population distribution and terrain. Florida has three antique sirens located presently at:

Siren #1 - East Entrance Hoosic Tunnel and Whitcomb Hill Road,

Siren #2 - Route 2 Fire Station West of Olsen Road,

Siren #3 - Shaft and Strykers Road.

Our recommendation would be the following:

- A. Leave siren #1 as is but remote it to BCMA for activation.
- B. Replace and relocate siren #2 on a tower or pole at the corner of Olsen Road, Route 2 and Tilda Hill Road and remote to BCMA for activation.

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- C. Replace and relocate siren #3 on a pole (40-50 feet) at the corner of Shaft and Stryker Roads and remote to BCMA for activation.
- D. New siren on pole (40-50 feet) at corner Route 2 and Moore Road just West of Whitcomb Summit and remote to BCMA for activiation.

Replacement and new sirens should be "Thunderbolt" model by Federal. BCMA should be able to activate "Fire" tone or "Civil Emergency" tone as needed. It is estimated these sirens will cover 95% (760 people) in Florida.

## Cost:

3 x \$8500 = \$25,500 or \$25.500/760 = \$33.55/person

In order to meet a requirement for standby power for each siren, it is necessary to mount motor generators at the base of each siren (weather protection required). These generators will be 10 KW, 240 V, 3 ph at an approximate cost of \$2,000 each. Thus the total cost will be (plus \$2000 for installation):

\$33,500/760 = \$44.07/person.

For siren usage having a dual purpose, i.e., Fire and Civil Emergency, this can be considered cost effective.

An example of cost <u>not</u> effective, we studied the community of Savoy. Approximately 14 square miles lies within the 10 mile zone. In this 10 mile zone are the following habitations:

Black Brook Road - 3 houses Bernard Road - 3 houses Burnett Road - 6 houses - 1 house Tannery Road - 1 house Adams Road Harwood Road - 4 houses Brier Road - 3 houses - 3 houses New State Road

Old Florida Road - Lookout tower Savoy Forest

All houses are from 1/4 to 1 mile apart and streets (roads) are isolated by hilly terrain in such manner that a minimum of 10 sirens would be needed to cover all habitations. Estimating 3 people per household, we have 75 people or 6% of the population in the 10 mile zone. Assuming a somewhat smaller powered siren will suffice, our costs will be:

10 x \$2,500 = \$25,000 plus installation costs of \$10,000 including remoting to BCMA \$35,000/75 people = \$466.66/person.

Clearly, this amount of money for so few people cannot be considered cost effective.

### 2.3.2 Telephone Systems

The thirty six towns within a ten mile radius of both Yankee plants in Rowe MA. and Vernon, VT. have their telephone service provided by the New England Telephone and Telegraph Company.

In an effort to learn if the facilities of the Telephone Company could be used in whole or in part in a notification system, a meeting was arranged and held in Northampton, MA on August 6, 1980.

Two representatives of NET&T, a representative of VT, NH, and MA, Civil Defense agencies and two ASEC representatives were in attendance.

Three proposals were presented to NET&T Co. for their engineering group to review and determine if the existing telephone system was capable of supporting any one of the three as a notification system.

A second meeting was held in White River Junction V Ermont on August 28, 1980. This meeting was requested by the VT Civil Defense Agency. Again, the same representatives attended. A general discussion ensued about the capability of the New England Tel and Tel. No decisions were made.

As of the date of this report, we have not received a response from the telephone company as to whether any of the three systems proposed could be used in a notification system.

### 2.3.3 NOAA Weather Network as an Alerting and Information Media

### 2.3.3.1 NOAA Weather Radio

NOAA Weather Radio is a Service of the National Oceanic and Atmospheric Administration (NOAA) of the U.S. Department of Commerce. It provides continuous broadcasts of the latest weather information directly from National Weather Service offices. Taped weather messages are repeated every four to six minutes and are routinely revised every one to three hours, or more frequently if needed. Most of the stations operate 24 hours daily.

The broadcasts are tailored to weather information needs of people within the receiving area. For example, stations along the sea coasts and Great Lakes provide specialized weather information for boaters, fishermen, and others engaged in marine activities, as well as general weather information.

During severe weather, National Weather Service forecasters can interrupt the routine weather broadcasts and substitute special warning messages. The forecasters can also activate specially designed warning receivers. Such receivers either sound an alarm indicating that an emergency exists, alerting the listener to turn the receiver up to an audible volume; or, when operated in a muted mode, are automatically turned on so that the warning message is heard. "Warning alarm" receivers are especially valuable for schools, hospitals, public-safety agencies, and news media offices.

Under a January 1975, White House policy statement, NOAA Weather Radio was designated the sole Government-operated radio system to provide direct warnings into private homes for both natural disasters and nuclear attack. This capability is to supplement warnings by sirens and by commercial radio and TV.

NOAA Weather Radio broadcasts are made on one of three high-band FM frequencies - 162.40, 162.475, or 162.55 megahertz (MHz). The 162.475 MHz frequency is used only in special cases where required to avoid channel interference. There frequencies are not found on the average home radio now in use. However, a number of radio manufacturers offer special weather radios to operate on these frequencies, with or without the emergency warning alarm. Also, there are now many radios on the market which offer standard AM/FM frequencies plus the so-called "weather band" as an added feature.

NOAA Weather Radio broadcasts can usually be heard as far as 40 miles from the antenna site, sometimes more. The effective range depends on many factors, particularly the height of the broadcasting antenna, terrain, quality of the receiver, and type of receiving antenna. As a general rule, listeners close to or perhaps beyond the 40 mile range should have a good quality receiver system if they expect reliable reception. Also, an outside antenna may be required in these fringe areas.

### 2.3.3.2 Present Coverage

### Yankee Vernon Area

NOAA weather radio stations heard most frequently in this area are Brattleboro (Mt. Ascutney) 162.475 MHz, Concord, NH, 162.4 MHz and in the southern area, Worcester, 162.55 MHz.

### Yankee Rowe Area

At higher elevations, Albany, 162.55 MHz, and in southern sections, Hartford, Conn., 162.475 MHz.

Actual coverage was determined in both areas by means of a Bearcat Alert weather radio (sensitivity .6 u v for 20 db signal to noise ratio) in mobile (battery) mode. From this it was determined that the Mt. Ascutney transmitter was reliable throughout the Connecticut River Valley but unreliable for communities to the East and West but within the 10 mile zone. Also to the South but within the 10 mile zone, reception was spotty.

NOTE: Mt. Ascutney transmitter is presently off-the-air and is being relocated. When again operating, power will be increased to 400 watts which may eliminate some of the void areas. However, this must be determined by additional measurements outside the Connecticut River Valley in areas where early reception was not clear.

In the Yankee Rowe areas, both Albany and Hartford could be received only above the 2000 foot altitude level. In addition, Hartford could be received only in the southern portions of the 10 mile zone of Yankee Rowe.

The 162 MHz weather band has a tendency to be line-of-sight, i.e., higher elevations can easily receive the transmitter signals whereas the valleys have difficulty.

### 2.3.3.3 Weather Radio Receiver Availability

In order to consider the NOAA weather network as a viable possibility as an alerting system meeting the requirements of NRC, it was necessary to determine two parameters with reasonable certainty. These are availability and price.

Also, certain criteria were decided to be mandatory for any model receiver recommended as an alerting mechanism. These are:

- The receiver must remain mute but be triggered "on" by any one of the five alert tones transmitted by the NOAA station.
- The receiver must be capable of being tuned to any one of the three NOAA frequencies (162.55, 162.4 and 162.475 MHz).
- The receiver must normally operate on 120 VAC but be capable of switching to internal batteries if commercial power fails.

The results of our survey are given in Table 2-3.

### 2.3.3.4 NOAA Weather Band Receivers

As noted in the above survey, many manufacturers have stopped production of weather band receivers for various reasons but mainly because of competitive positions of a few high volume manufacturers and market saturation.

However, some manufacturers have large inventories, particularly of the commercial grade receivers, and they are easily obtainable. In the commercial category either the Regency Model C1WA or Radio Shack Model 12-154 appear to be the most cost effect and the most easily operated by a non-technical person.

Of the institutional grade receivers, either the Plectron or Gorman-Redlick weather receivers are considered the best.

### 2.3.3.5 Weather Receiver Acquisition

There are a number of ways in which individual households can acquire weather receivers.

- Outright household purchase.
- Volume purchase by power company and distribution to all households.

TABLE 2-3
RECEIVER MANUFACTURERS OF NOAA WEATHER RADIOS

Manufacturer and Address	Models Available	Cost	Notes
Pederal Sign & Signal Blue Island, IL	No longer makes weather radios		Manufactures sirens, voice pagers, radio controlled remote activators.
Scientific Radio Systems Rochester, NY	Institutional grade weather channel receiver	Lots of 25 - \$441.00	Manufacturers all of NOAA transmitters. Only receiver available is a very high quality.
Motorola Communications Washington, D.C.	Several receivers avail- able but multi-band	\$3,000 and up	These are Transceivers for mobile marine operation and are multi-band with weather band.
Regency Electronics Indianapolis, IN	Model ClWA	List at \$60.00 100 - \$26.97 ea. 1,000 - \$25.62 ea. over 1,000 - \$24.82 ea.	
General Electric Lynchburg, VA		-	No longer make weather radios.
Weatheralert Chicago, IL	TA25	100 - \$33.60 ea. 5,000 - \$21.60 ea.	
Lafayetta Radio Syosset, NY	-	•	Out of business.
Windso Electronics Melville, NY	2110	\$8.00 1,000 or more - \$7.50	Battery operated only - must be manually turned on to operate - cannot be triggered on by NOAA Transmitter.

TABLE 2-3
RECEIVER MANUFACTURERS OF NOAA WEATHER RADIOS (CONT.)

Manufacturer and Address	Models Available	Cost	Notes
Electra Cumberland, IN	Bearcat Electra Alert	100 - \$45.50 ea. 5,000 - \$40.00 ea.	Company will not deal direct on any sale, must go through local sup- plier.
Radio Shack Fort Worth, TX	12-154	List - \$39.95 100 and up - \$25.00 ea.	-
RCA Mobile Communications Arlington, VA	Various	\$2,000 and up	Manufactures only marine transceivers some of which cover the weather band.
Midland International North Kansas City, MO	-	=	Out of business.
Benmar Division Santa Ana, CA	-	-	No longer manufacture weather radios.
Plectron Corporation Averton, NE	-	100 - \$190,00 ea.	Manufacture only an institutional grade weather radio.
Heath Company Benton Harbor, MI	Radio kit	Kits start at \$70.00	Manufacture a kit with weather band included among other bands. Assembled radio would double the price.
Pearce-Simpson Miami, FL			Company out of business.

TABLE 2-3
RECEIVER MANUFACTURERS OF NOAA WEATHER RADIOS (CONT.)

Manufacturer and Address	Models Available	Cost	Notes
Viking Instruments Chester, CT	1	1	No longer manufacture.
Cobra Electronics San Antonio, TX	ı	ı	Out of business.
Sony Corporation Long Island, NY		ī	No longer manufacture.
Sunair Electionics Fort Lewerdale, FL		1	No longer manufacture.
Kendaic "echnology Miami, PL	2025	100 - \$31.00 ea. i,000 - \$29.45 ea. 5,000 - \$29.45 ea.	Can be triggered by NOAA transmitter. Does not have back-up batteries. Has all NOAA frequencies
Gorman-Redlick Athens, OH	1	\$285.00 ea.	Manufacture institu- tional weather radio.

RECEIVER MANUFACTURERS OF NOAA WEATHER RADIOS (CONT.)

Manufacturer and Address	Models Available	Cost	Notes
Watkins-Johnson Gaithersburg, MD	1		No longer manufacture weather radios.
Wells-Gardner Chicago, IL	ſ	1	No longer manufacture.
Collins Radio Richardson, TX	Marine Transceivers	\$3,500 and up	Manufacture marine radios with weather band.
Singer Company New York, NY			No longer in business.
Hi-Gain Electronics Lincoln, NE		ŧ	No longer manufacture.
Hitachi Sales Lyndhurst, NJ	\$		Weather radios not made in Japan.
Sanyo Electric Compton, CA			No longer manufacture.
Panorama Radio New York, NY	The second secon	ī	No longer manufacture,
Sterling Hi-Fidelity Long Island City, NY	1	ı	Do not manufacture,
Sonar Radio Hollywood, FL		Lots of 100 - \$189.00 ea.	Make a small pocket radio carrying only one frequency. Cannot be triggered on by NOAA transmitter. Battery operation only.

 Volume purchase by power company and distribution to all households with power company billing in small increments along with monthly electric bills.

Outright purchase by the household would be the most desirable from the power company's viewpoint, since there is no question of ownership and no expense to the power company. However, this method would require a selling job on the part of the power company, local CD Director or other public official to convince the householder of the need for the radio. This might take the form of convincing the householder that the radio would disseminate routine weather as well as all kinds of environmental emergencies. In other words, a general purpose alerting system.

Getting 100% acceptance is very doubtful.

The power company could buy weather receivers in volume at much reduced prices over list and distribute to all households in the 10 mile radius around the atomic electric plant. Aside from the cost factor, there are a number of variables to be considered.

- 1. Would the householder keep them plugged into a receptacle and ready for use?
- 2. What if the householder moves out of the area?
- 3. Should "summer cottages" have these receivers?
- 4. Who has maintenance responsibility?

Some control of the receivers could be exercised by the power company by permanently installing and wiring the instrument into the house. This would effectively answer three of the above items including "summer cottages" since most "summer cottage" occupants turn off the main breaker at the end of the season.

Maintenance of solid state devices such as these receivers is a minimal problem. It would be to the advantage of the power company to keep a few spare receivers available for replacement in case of breakdown of individual units. This would also give the power company some insight as to the usage of the unit by the individual householder.

Even better control could be exercised if the power company would buy receivers in quantity, permanently wire each receiver into each household, and bill for the unit and installation at a nominal sum over a period of several months with the electric bill. The householder would then have reason to protect and use the instrument. Should the householder move out of the area in some stipulated length of time, a graduated reimbursement would be in order.

### 2.3.4 Emergency Broadcast System (EBS)

### 2.3.4.1 Emergency Broadcast System (EBS)

The Emergency Broadcast System (EBS) was established in 1964 to provide the President of the United States with an expeditious method of communicating with the American public in the event of war, threat of war, or grave national crisis. It replaced the CONELRAD (Control of Electromagnetic Radiation) system with which many Americans are familiar.

The original concept of the EBS has been expanded so that it can also be used during day-to-day emergencies at the State and local levels to provide the means for prompt, reliable receipt and release of life—and-property-saving warning as well as emergency information. Examples of day-to-day emergencies are: tornadoes, hurricanes, tsuunamis, flash floods, blizzards, earthquakes, wide-spread power failures, fires, industrial, transportation and nuclear accidents involving hazardous materials and toxic gases, and civil disorders.

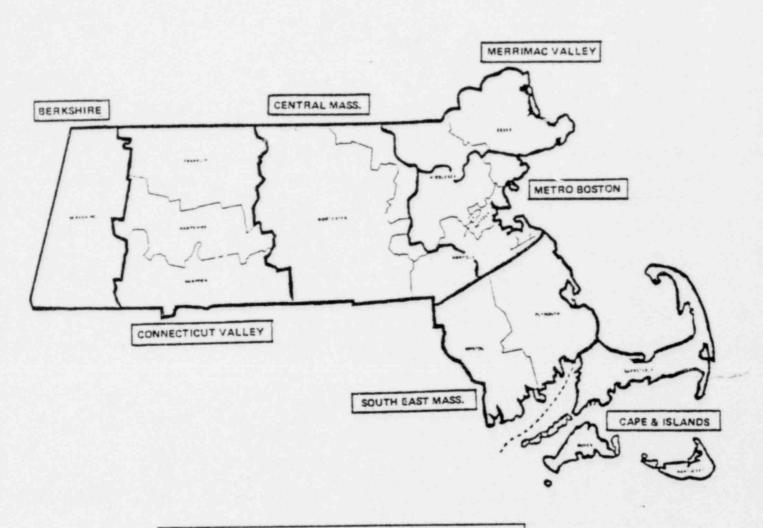
Activation of the National-level EBS is initiated by the President. He does this by directing the White House Communications Duty Officer to contact one of two government origination points, either the North American Air Defense Command (NORAD) or the Federal Emergency Management Agency (FEMA), will release the Emergency Action Notification to control points of the radio and TV networks, participating communications common carriers, and AP and UPI via a dedicated teletypewriter network. Authentication is provided at the control points by pre-selected code words.

Upon receipt of the activation message and its authentication, participating communications common carriers reconfigure the radio and TV networks to provide a common program source to all affiliates. In addition, independent stations with facilities in place are interconnected with the reconfigured network. AP, UPI and radio and television networks send the Emergency Action message to all subscribers and affiliates. Broadcast stations will use the two-tone Attention Signal on their assigned broadcast frequency to alert other broadcast stations and the public to stand by for a message from the President.

To activate the EBS at the State level, a request may be directed to an Originating Primary Relay Station (usually an FM station located near the State Capital) by the Governor, his designated representative, the National Weather Service, the State Civil Defense or Emergency Services Office, or other designated State authority. For instance, the Governor of Massachusetts can activate any or all of the seven operational areas within the State as shown in Figure 2-1. He would ordinarily do this through an FM network as shown in Figure 2-2.

At the local level, a request for activation may be directed to the common Program Control Station (CPCS-1), by the National Weather Service, local Civil Defense, local government, or public safety officials. Within the operational areas of Massachusetts, the Connecticut Valley area is of interest since both Yankee Vernon and Yankee Rowe are in this area. Within this area the primary activation stations are WHYM at Springfield and WFCR at Amherst. WHYN would in turn trigger WHAI in Greenfield. This is snown in Figure 2-3. Also in the Yankee Rowe area, WQRB, Pittsfield would trigger WMNB-FM in North Adams which covers Yankee Row communities. This is shown in Figure 2-4 for the Berkshire operational area.

In either case, communications facilities developed for use in contacting and providing emergency program material may include any of the following: telephone, remote pickup units, NOAA Weather Wire Service or NOAA Weather Radio, police and fire communications, amateur and citizens band radio. Station management at the Originating Primary Relay Station and/or the Common Program



	CPCS-1	PRIRELAY
BERKSHIRE CONNECTICUT VALLEY CENTRAL MASS. MERRIMAC VALLEY	WBEC/WQRB(FM) WFCR(FM) WSRS(FM) WCCM/WCGY(FM)	WQR8(FM) WFCR(FM) CSRS(FM) WCGY(FM)
METRO BOSTON SOUTH EAST MASS. CAPE AND ISLANDS		WROR(FM) WPLM-FM WOCS-FM

Figure 2-1 Massachusetts Operational Areas

Medica con

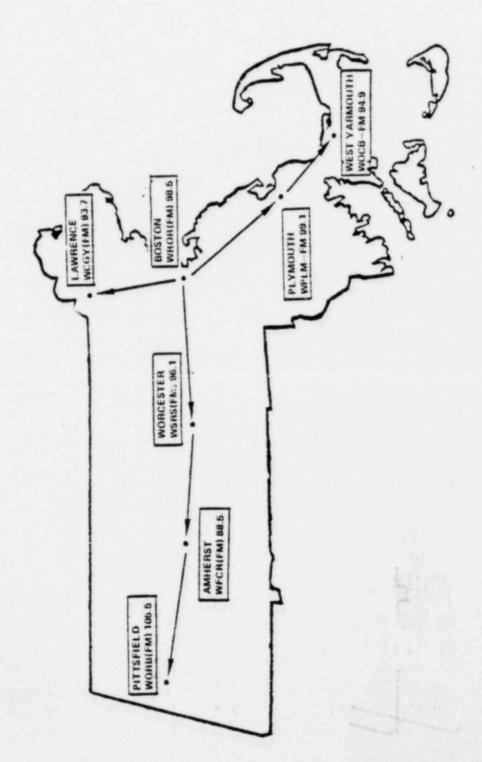


Figure 2-2 Massachusetts State Network (FM)

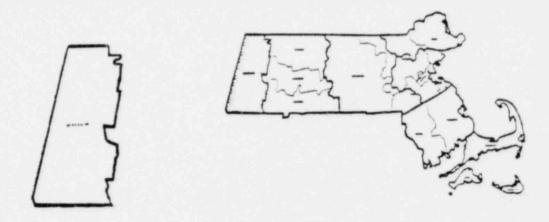
100 pts (m C





	FREQUENCY EBS	STATION	FREQUENCY EBS
FACILITIES	DESIGNATION	PACILITIES	DESIGNATION
WITT Amherst	1430	WHAI-PM Greenfield	98.3
5 KW DA-0	PRIMARY	1 kW -240 ft	PRIMARY
WACE Chicopee	730	WCCH (FM) Holyoke	89.5
5 kW 0	PRIMARY	0.01 ₩	PRIMARY
WIXY East Longmea	dow 1600	WHMP (FM) Northampton	99.3
5 KW D	PRIMARY	3 xW 300 ft	PRIMARY
WHAI Greenfield	1240	WMCH(FM) South Hadley	91.5
0.25/1 kW U	PRIMARY	0.01 kW	PRIMARY
WRES Holyoke	930	WAIC(FM) Springfield	91.9
0.5 kW D	PRIMARY	0.13 kW 66 ft	PRIMARY
HMP Northampton	1400	WAQY(FM) Springfield	102.1
0.25/1 kW U	PRIMARY	27 kW 650 ft	PRIMARY
WCAT Orange	1390	WHYN (FM) Springfield	93.1
1 KW D	PRIMARY	10 kW 940 ft	PRI
CPCS-2			
WHYN Springfield	560	WMAS (FM) Springfield	94.7
1/5 KW DA-20	PRI CPCS-2	22 kW 170 ft	PRIMARY
WMAS Springfield	1450	WSCB(FM) Springfield	89.9
0.25/1 kW U	PRIMARY	0.01 kW	PRIMARY
WSPR Springfield	1270	WTCC (FM) Springfield	90.7
1/5 kW DA-2 U	PRIMARY	4 kW 115 ft	PRIMARY
WARE Ware	1250	WTRZ (FM) Springfield	89.1
1 KW DA-N U	PRIMARY	0.01 kW 80 ft	PRIMARY
WLDM Westfield	1570	WSKB(FM) Westfield	91.5
1 KW D	PRIMARY	0.01 kW 130 ft	NON-EBS
WNUS West Spring	field 1490	WGBY-TV Springfield	CH 7
0.25/1 kW DA-D U	PRIMARY	776 kW 1000 ft	PRIMARY
WAME (FM) Amberst	89.3	MYN-TV Springfield	THE CH 40
0.15 kW 720 ft	PRIMARY	3680 KW 1000 ft	PRIMARY
WFCR (FM) AMHERST	88.5	WILP (TV) Springfield	CH 22
35 KW 720 ft	PRI RELAY PRI CPCS-1	933 kW 750 ft	PRIMARY
WMUA (FM) Amnerst			
1 kW 27 ft	PRIMARY		

Detailed Massachusetts EBS Operational Plan Connecticut Valley Operational Area Figure 2-3



STATION EBS F	REQUENCY	STATION	EBS FREQUENCY
		FACILITIES	DESIGNATION
WSBS Great Barrington	360	WJJW (FM) North Adams	89.5
0.25 kW D	PRIMARY	0.01 kW	PRIMARY
WMNB North Adams	1230	WMNB-FM North Adams	100.1
0.25/1 kW U	PRIMARY	1 kW 480 ft	PRIMARY
WBEC PITTSFIELD	1420	WBRK-FM Pittsfield	101.7
1 kW DA-N U PR	I CPCS-1	3 kW 145 ft	PRIMARY
WBRK Pittsfield	1340	WUPE-FM Pittsfield	95.9
	PRIMARY	0.71 kW 560 ft	PRIMARY
WUPE Pittsfield	1110	WORB (FM) PITTSFIELD	105.5
1 kW D	PRIMARY	0.63 kW 590 ft	PRI RELAY PRI CPCS-1
		WTBR-FM Pittsfield	89.5
		0.01 kW	PRIMARY
		WBSL(FM) Sheffield	91.7
		0.01 kW 50 ft	PRIMARY
		WCWL(FM) Stockbridge	91.3
		1.45 kW 4 ft	PRIMARY
		WCFM(FM) Williamstown	91.9
		0.44 kW 750 ft	PRIMARY

WCDC(TV) Adams CH 19 116 kW 2100 ft PRIMARY

Figure 2-4 Detailed Massachusetts EBS Operational Plan Berkshire Operational Area

Control Station authenticates the validity of all requests to activate the system. Other broadcast stations may activate the EBS on an individual basis as needed. This is important since station management is responsible for all program material broadcast to the public.

The Originating Primary Relay Station at the State level, or the Common Program Control Station at the local level, will take the following steps to activate the EBS:

- Take action to broadcast emergency programming which may include recording emergency message for use later.
- 2. Broadcast an initial statement.
- 3. Transmit the two-tone Attention signal.
- 4. Broadcast the emergency announcement.

All other participating stations, alerted via their off-the-air monitoring of the two-tone signal, repeat the above procedures.

### 2.3.4.2 EBS Coverage in Yankee Vernon Area

2.3.4.2.1 There are two Common Program Control Stations (CPCS) covering the Yankee Vernon area. WHAI (1240 AM and 98.3 FM) in Greenfield and WTSA/WMMJ-FM (1450 AM and 96.7 FM) in Brattleboro. Between these stations, each having a range of 25 miles, all of the 10 mile zone around Yankee Vernon is covered. Each station tests its EBS equipment once a week. The Originating Primary Relay Station for Greenfield is WHYN in Holyoke and for Brattleboro is WCFR-FM in Springfield, VT. National emergencies are triggered by CBS in New York.

### 2.3.4.3 EBS Coverage in Yankee Rowe Area

2.3.4.3.1 WMNB-AM (1230) and WMNB-FM(100.1) cover the 10 mile zone and Yankee Rowe from North Adams. WMNB is an Originating Primary Relay Station for this region. It tests EBS once a week.

2.3.4.4 Problems with EBS

2.3.4.4.1 All of these stations operate at a maximum 1000 watts during daytime and reduce to 250 watts during evening hours. All stations shut down both AM and FM transmitters at midnight and reactivate during the early morning hours - usually 5 to 6 A.M. (Power reduction on AM only - FM remains at full power during evening hours).

2.3.4.4.2 WTSA/WMMJ-FM operates EBS under a local EBS Operational Plan which covers Windham County, VT only, even though its coverage on both AM and FM extends into New Hampshire and Massachusetts. The Operational Plan thus restricts itself to only those designated officials given in the plan to activation of EBS. These officials are: National Weather Service in Burlington, VT, Civil Defense in Brattleboro and Montpelier, VT, and State Police in Brattleboro and Rockingham, VT. Additionally, the OPRS that triggers EBS on at WTSA is WCFR-FM, also in Vermont at Springfield. This is a serious defect insofar as Yankee Vernon is concerned in utilizing EBS as an alert media in the event of an incident at Yankee Vernon. Coordination between three-State Civil Defense or even between three-State Police can cut heavily into the 15 minute warning time to the public.

2.3.4.4.3 A similar problem exists at WHAI in Greenfield, MA. This station is triggered on by WHYN in Holyoke which is clear across the State from Yankee Vernon.

2.3.4.4.4 All of these stations program the bulk of their broadcast material to the local audience. Thus advertising, news, etc., will be patterned for the local audience in the immediate vicinity of the station. Also, the operating frequency may be well known to the local audience, but unknown to travelers passing through the area, if they even have a car radio turned on, will more than likely be listening to a clear channel station such as WBZ in Boston which can be heard for several hundred miles. Thus, the use of EBS as a warning to travelers for a local emergency is very doubtful.

2.3.4.4.5 Another problem exists in the Yankee Rowe area where WMNB (AM and FM) covers all the 10 mile zone around Yankee Rowe. In an interview with station management, they were not aware of any authority authorized to activate EBS for their station in North Adams. This station also covers that portion of the 10 mile zone in Vermont and is the only EBS equipped station in the area. This would pose another two-State coordination problem either between Civil Defense or State Police, again during the 15 minute warning time.

2.3.4.4.6 The most serious drawback to EBS is that EBS cannot trigger receivers on if they are turned off. This is even more serious during night time hours if the station is off the air. Even though a station can be on the air in a few minutes if an operator is close by, the possibility of local people having a radio on during these hours is virtually zero.

### 2.3.5 Police Communications

### 2.3.5.1 General

Communications within police jurisdictions in the Yankee areas can generally be categorized as follows:

- 1. State Police/State Police
- 2. State Police/Municipal
- 3. County Police/Municipal
- 4. Municipal only.

Contact with external sources concerning events which may effect the general public is usually done through State Police channels, and through those channels down to the municipality or municipalities which will be concerned, i.e., an event at Yankee Vernon or Rowe. We will therefore address only the first two channels given above.

### 2.3.5.2 Capabilities

The pertinent capabilities of the police departments in the communities in the Yankee area are given in Table 2-4. Several facts come to light in this table which require further comment.

In the Yankee Vernon area only 27% (5 communities) have 24 hour coverage. In the Rowe area this drops to 11% (2 communities). Those communities having police "on call" (no fixed hours) are 55% (10) in the Vernon area and 61% (11) in the Rowe area. In each area there are 7 facilities which are assigned for police work (police stations) where one could expect monitoring receivers could be covering police networks. 13 communities in the Vernon area have mobile vehicles dedicated to police work and 14 are P.A. equipped (one is a personal vehicle). 7 communities in the Rowe area have vehicles dedicated to police work and 9 are P.A. equipped (2 are personal vehicles).

### 2.3.5.3 Police Radio Frequency Monitoring

Figures 2-5 and 2-6 show the police frequencies each community monitors (or has duplex capability) in a rough geographic layout around each Yankee area. These frequencies are identified also in Table 2-4. There is a pattern apparent in this coverage which shows a great number of communities in Massachusetts and New Hampshire monitor county police circuits for some reason. For instance, 12 of the Massacusetts communities monitor either Berkshire or Franklin County networks and six New Hampshire communities monitor either Cheshire or Bennington County networks. However, this monitoring would be sporadic at best due to the "part time" and "on call" situations in most of the communities. In addition, county police are traditionally custodians of prisoners, jail operators, etc., and include some other civil duties. They are not usually involved in civic emergencies, excepting jail breaks, which are more the duty of state or municipal police. This report will not further consider county networks as a means of emergency warning.

Of greater interest are those frequencies used between State Police and municipalities. These channels are shown in Table 2-3, but are broken out

POLICE COMMUNICATIONS CAPABILITIES - YANKEE VERNON AREA

COMMUNITY	POPULATION	POPULATION P/T POLICE P/T POL	P/T FOLICE	HOURS OF QPERATION	RADIO STATION LOCATION	VEHICLES	RADIO FREGUENCIES AVAILABLE	GINULEX/ P. A. DOPLEX AVAIL	IMPLEX P. A.	STATION FINER	NOTES ON PRECEISE ITS
Hinsdale,	3700		7.	24 Bours		2 Sedans	155.07 39.10 44.82	Daptes Daptes Daptes	2 Sectains	ž	Cheshire Co. Folice Bratilehoro Folice M. H. State Police
Chestorfiel	7300	7	٥	24 Bours	Keene Police Transmission	1 Sedan 2 Stu. Ngm	155.02 156.09 155.475 154.43	Duplex Duplex Duplex Staplex	1 Sedan	ž	Cheshins County Police M. H. State Police (Ch. h) M. H. State Folice Cost to Carl Southwest Matual
Swanzey,	2000	o	12	On Call	Police Chief Itomo	1 Sedan 12 Persona	155,03 155,03 155,04 155,43	Dapter Bapter Oapler Dapter	1 Sedan 1 Purayanal	ž	Chaplife (qualty pylice N <sub>1</sub> u <sub>1</sub> State Pylice (Chi Dechlies (qualty Pylice N. H. State Police (car to car)
Winchester.	1500	~	gt	Daily 7a-2a Police Whids 7a-3a Station	Police	2 Sedans	155.07	Buplex	2 Sedans	ž	Cheshire County Police
Hi channed,	500	0	-	On Call	SMMA Keene	4 Fersonal	155.07	Daylex	None	ź	Cheshire County Folice
Harvick, HJ	575	0	•	On Call	Chief's Bone	1 Sedan	39.36	Daplex	l Sedan	ĝ	Franklin County Folice
Vernen, VF	9871		-	0800-0200	Sheriff's Office - Brattleboo	1 Sedan	155.97 155.97 460.20 460.50	Duplex Duplex Duplex Duplex	1 Sedan	£	Vernon Police (Freq 1) Vernon Folice (Freq 2) Vernont State Folice Vernont State Police (car to car)
Borthfield.	2400	-	91	8-10 hours	B-10 hours Police bept	) Sedan i Pick-up	19.16	Daylex	1 Sedan	Ro	Franklin County Police

POLICE COMMUNICATIONS CAPABILITIES - YANKEE VERNON AREA (CONT.) TABLE 2-4

COMMUNITY	FOPULATION		P/T POLICE P/T POLICE	HOURS CA QPENATION	STATION LOCATION	VEHICLES	PRESQUENCIES AVAILABLE	DUPLEX AVAIL	DUPLEX NYALLABLE	STATION STATION LAMEN	MOTES ON PRECHER 185
* 'III'	9773	0	D	On Call	101 Bour- tain Road, 6:111	9 Sedans (Personal)	13.19		2 Sedans	ž	citi Police Bept. Franklin County Folice
Bernardston NA	1860	-	5	24 Bours	Town Hall & I Sedan Greenfield Dispatcher Service	) Sedan	19.46	Buplex	1 Sedan	i	rrankin County Police usually used for jail business but used as car to station in Bern- ardston.
Greenfield,	10,500	14		24 Bours	Police	7 Sedans	156.33	Duplex	4 Sedans	Yes	Greenfield Folice tranklin County Folice
Leyden, MA	550	g		On Call	Chief's Bose	3 Personal	75.16	Duplex	2 Personal	190	Franklin County Police
Colrain, MA	1500	o	,	1152 45	Chtef's Home	1 Sedan 1 Frivate	39.36	Duplex	Notice	ž	Franklin County Police
varificed,	1	5	-	10 00 CO	Photos	1 Personal	St. Polyn. cafto to personal vehicle 460.475 460.500	impdex Duplex	Mone	i	Vermont State Police provide services. Vermont State Police Vermont State Police (car to car)
natifax, VF	458	-	o	On Call	State	l Sedan (Personal)	460.475	Duplies Duplies	l Sedan (Personal)	ž	Vermont State Police Vermont State Police (car to car)
Brattleboro	12,000	26	15	24 Hours	Police Dept 5 Sedans	5 Sedans	19.10	Duplex Duplex	5 Sedans	Yes	Bratileboro Folice Vermont State Folice

POOR ORIGINAL

POLICE COMMUNICATIONS CAPABILITIES - YANKEE VERNON AREA (CONT.) TABLE 2-4

СОНИЛИТУ	POPULATION P/T POLICE P/T POLICE QPENATION	P/T FOLICE	P/T POLICE	HOURS OF QPERATION	NADEO STATICH LOCATION	VEHICLES	VEHICLES FREQUENCIES AVAILABLE AVAILABLE	SINFLEX/P. A. DIPLEX AVAIL	, Aller	SPATION STATION FOREE	PREQUENCIES
Mar Iboro.	600	r									
Dummerston. VP	31	0	•	On Call	Town Garage 1 Sedan East-Mest Road	1 Sedan	19,10	fuplex	Puplex 1 Sedan		Brattleboro Police

POLICE COMMUNICATIONS CAPABILITIES - YANKEE ROWE AREA (CONT.) TABLE 2-4

ОСМВИНТУ	POPULATION	POPULATION P/F POLICE P/T POLICE	P/T POLICE	NOUNS OF SPERATION	NADIO STATION LOCATION	VEHICLES	RADIO FREIGENCIES AVAILABLE	SIMPLEX P. A.	MUDITAL P. A.	EMERICIALY STATION FOREN	NOTES OR PREGNENCIES	
wadskoro,	663		0	On Call	Rennington County System	1 Pickup Truck (Perachal)	460,50 155,00 460,175	Duplex Duplex Ouplex	I in Truck	ž	Versiont State Politice fear to carl Bennington County Sheriff	
Scarsburg,	08	0	2	On Call	None	Personal	None		None	None		
off ingham,	1200	٠	1 + 2 State 3 pm-5 a Troopers as at home home		State	Personal	State Police In Troopers sedans 460, 475 460, 500	pair lex	None	Yes at Constable's home	Vermont State Police (Troop D Brattleboro) Vermont State Police (car to car)	
dilmington,	1800		2	8 am - 3 am Police flept 2 Sedans	Police Bept	2 Sedans	45,48	Daplex	Sedans	Kess	Verment State Police (Troop D Brattleboxo) Wilmington Highway Department	
Halifax, vT	458			SEE HALIFAX	IN YANKEE VERNON AREA	IONON AREA						
leath, MA	494	0	,	On Call	Chief's Home	1 Sedan	19,16	Duplex	1 Sedan	2	Franklin County Police	
Colrain, MA	1500			SEE COLKAIN	UNDER YANKEI	UNDER YANKER VERBER AREA						
Rowe, MA	340	o ·	9	On Call	Town Hall	l Jeep (Personal)	39.16	Duplex	Jack .	Ho.	Franklin County Police	

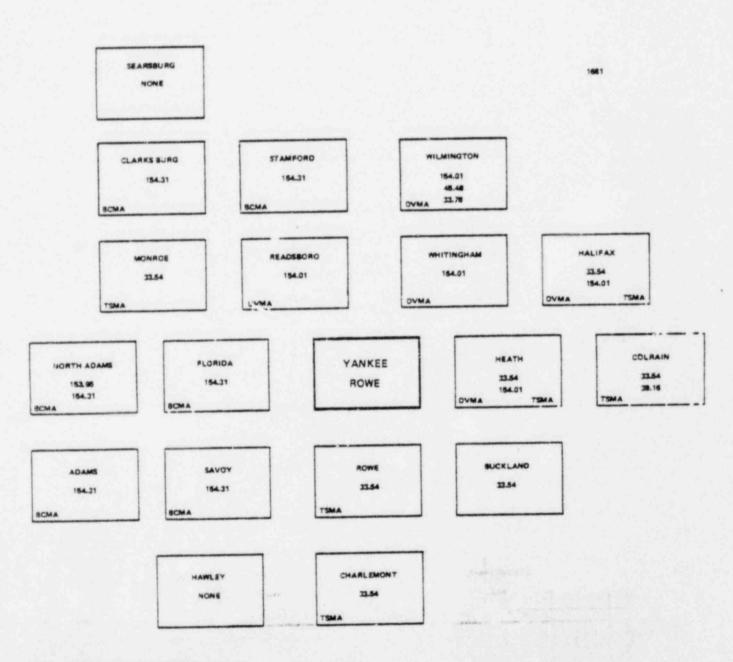
POLICE COMMUNICATIONS CAPABILITIES - YANKEE ROWE AREA (CONT.) TABLE 2-4

COMMUNITY	POPULATION	POPULATION P/T POLICE P/T POLICE	P/T FOLICE	BOUNS OF QPENATION	KADIO STATION LICCATION	VEHICLES	PREQUENCIES AVAILABLE	SIMPLEX/ P. A. DUPLEX AVAIL	DIMPLEX P. A.	EMERGERCY STATION FORER	NOTES CH PREGRENCIES
Buck Land,	3000	-		B Hours Daily and On Call	Town Office 1 Sedan (State St.)		44.74	Duplex	1 Sedan	ž	Mass. State Police (old freq.)
Charlement.	1050	0	7.	On Call	Main Street   Sedan	1 Sedan	19.16	Duplex	1 Sedan	â	Hass. State Police (old freq.) Franklin County Police
Hawley, MA	300	ō	7	On Call	Brane	2 Trucks tpersonall	Phone		Photoe	OH.	
Savoy, HA	200	0	9	On Call	Adams Road Personal	Personal	45.42		None	£	Savoy Public Works (used by Folice)
Florida,	OOR	0	2	On Call	Chief's Rone	Fersonal	C.B. used in cars		Then C.B.	â	
Adams, MA	10,700	z	o	24 Hours	Police Dep (Park St.)	2 Sedans 1 Wayon	115,13	Duplex Duplex Duplex	2 Sedans 1 Magon	â	Adams Police Adams Police Berkshire County Police
Montosi, MA	300	0	-	On Call	Officer's Personal	Personal	39.16	Duplex	None	â	Franklin County Police
thorth Adam	17,500	35	,	24 Hours	Summer St.	5 Sedans	156.21	Daplex	4 Sedans	Yes	Adams Police Berkshire County Polic

POOR ORIGINAL

POLICE COMMUNICATIONS CAPABILITIES - YANKEE ROWE AREA (CONT.) TABLE 2-4

				HOURS OF	RADIO	VEHICLES	PREDUENCIES	BINPLEX/ P. A.		EMERGENCY STATION	NOTES ON
COPPUBLITY	POPULATION P/T POLICE P/T POLICE GPENATION	F/T POLICE	P/T POLICE	QPERATION	_	AVAILABLE AVAILABLE	AVALIABLE	DUPLEX	DUPLEX AVAILABLE	FORER	PRECNISM 1ES
Clarksburg	2000	9	•	On Call	None	1 Sedan	154.74	Duplex 1 Sedan	1 Sedan	ž	Berkshire County Police
Stamford,	75.0	0	-	On Call	None	Personal	Mono		Nytes	ž	



SCMA- 154.31 MHZ-PITTSPIELD, MASS.

OVMA-154.01 MHZ-WILMINGTON, VT.

TSMA-33.54MHZ-GREENPIELD, MASS.

Figure 2-5 Fire Frequencies - Yankee Rowe Area

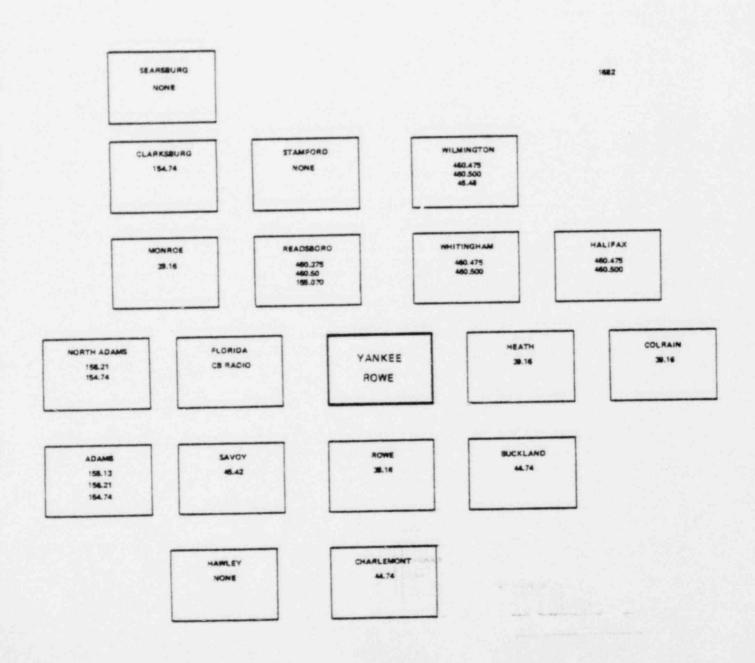


Figure 2-6 Police Frequencies - Yankee Rowe Area

separately by frequency, community and State for clarity in Figures 2-7 and 2-8. It is readily apparent from the figures that none of the Massachusetts communities monitor State Police frequencies, only three of the five New Hampshire communities monitor State Police and six of the eleven Vermont communities monitor State Police. It would seem a simple matter to equip each community lacking State Police monitors, but the lack of 24 hour coverage in most communities does not make this a viable emergency warning network.

### 2.3.5.4 Mobile P.A. Capability

Of great importance, once word has reached a community of a warning of possible trouble, is dissemination within the community. In those few cases where power is not available or handicapped people are involved, then a mobile paging system can be valuable. In the case of wholesale power failure, the mobile paging equipment on a police vehicle may be the only available source of notification within a community.

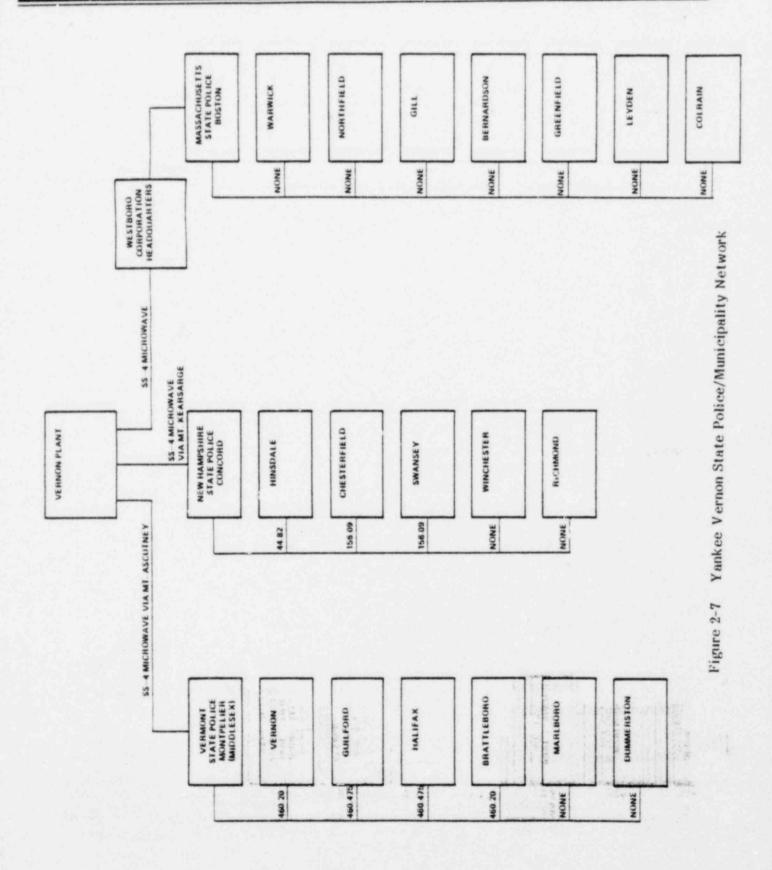
All communities in the Yankee Vernon area have at least one vehicle equipped with mobile P.A., excepting three. In Yankee Rowe area, six communities have no mobile P.A. system. This really means, in the case of catastrophic power failure, that more than 3400 people in the Vernon area and nearly 2000 people in the Rowe area might not get timely warning if no other notification means is available.

### 2.3.6 Fire Communication Systems

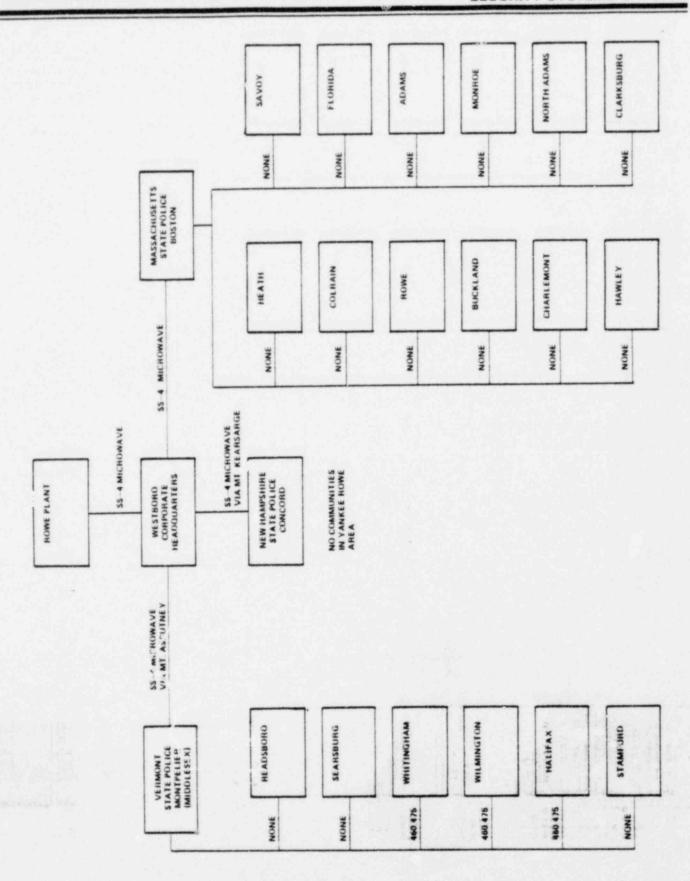
Communication systems in the Yankee Vernon and Rowe areas are centered around four mutual aid systems:

- 1. Southwest Mutual Aid at Keene, NH (SWMA),
- 2. Tri-State Mutual Aid at Greenfield, MA (TSMA),
- 3. Berkshire County Mutual Aid at Pittsfield, MA (BCMA),
- 4. Deerfield Valley Mutual Aid at Wilmington, VT (DVMA).

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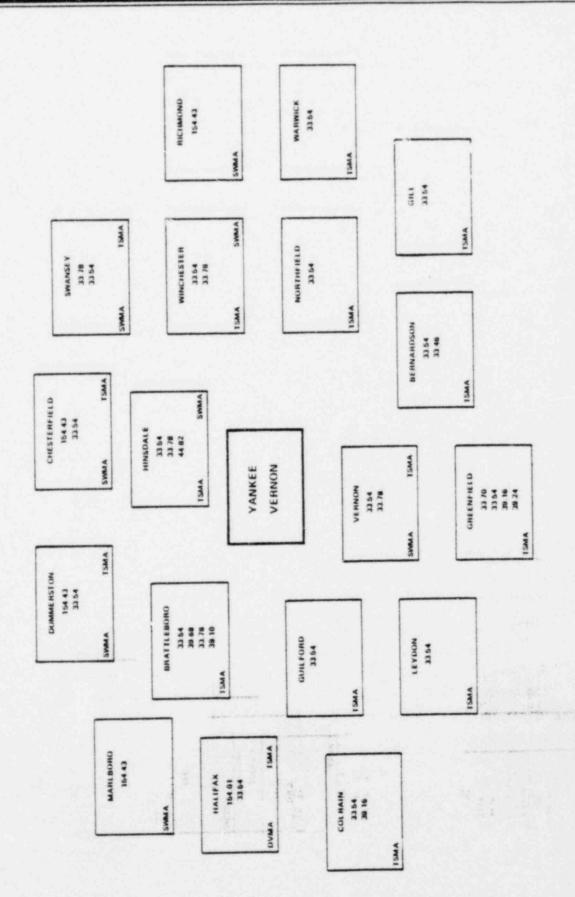
1880

Figure 2-8 Yankee Rowe State Police/Municipality Network

2.3.6.1 The communities in both areas making use of these mutual aid systems are shown in a rough geometric pattern around the atc. ic plants in Figures 2-9 and 2-10. Three of these systems, SWMA, TSMA and BCMA, are true mutual aid systems with 24 hour service to their respective communities. DVMA is not considered a viable system since it does not have continual manning of the system. Unfortunately, two of the communities use DVMA (Readsboro and Whitingham) and are in close proximity to Yankee Rowe. Neither of these communities have a backup system as many other communities have. Statistical data for each community is given in Table 2-5.

2.3.6.2 Two communities in the Yankee Vernon area have full time coverage of fire frequencies, Brattleboro and Greenfield and both are members of TSMA. One community in the Yankee Rowe area has full time coverage and it is a member of BCMA. All other communities are on an "on call" status which means even though a community may have monitoring equipment for a mutual aid frequency, it will not be covered on a regular basis. However, mutual aid dispatchers have remote startup of 11 community sirens in the Yankee Vernon area and dispatchers can phone fire chiefs in all serviced communities.

2.3.6.3 Sixteen of the eighteen communities in the Yankee Vernon area have some form of emergency power, usually in the form of a small portable generator sufficient to operate two or three lights and one or two radio receivers. Usually not enough power is available to key a transmitter. Communities without any emergency power are Hinsdale and Leyden. In the Yankee Rowe area this situation is much worse. Five communities, Whitingham, Florida, Monroe, Searsburg and Hawley have no emergency power equipment. Those communities with emergency generators have sufficient capacity to operate one or two receivers but not transmitters.



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Figure 2-9 Fire Frequencies - Yankee Vernon Area

SWAA 33 SAMIZ-GREENFIELD, MASS SWAA 33 SAMIZ-154 43MIZ-KEENE, N.H. DVMA 154 DIMHZ-WILMINGTON, VT.

### SECURITY SYSTEMS DIVISION

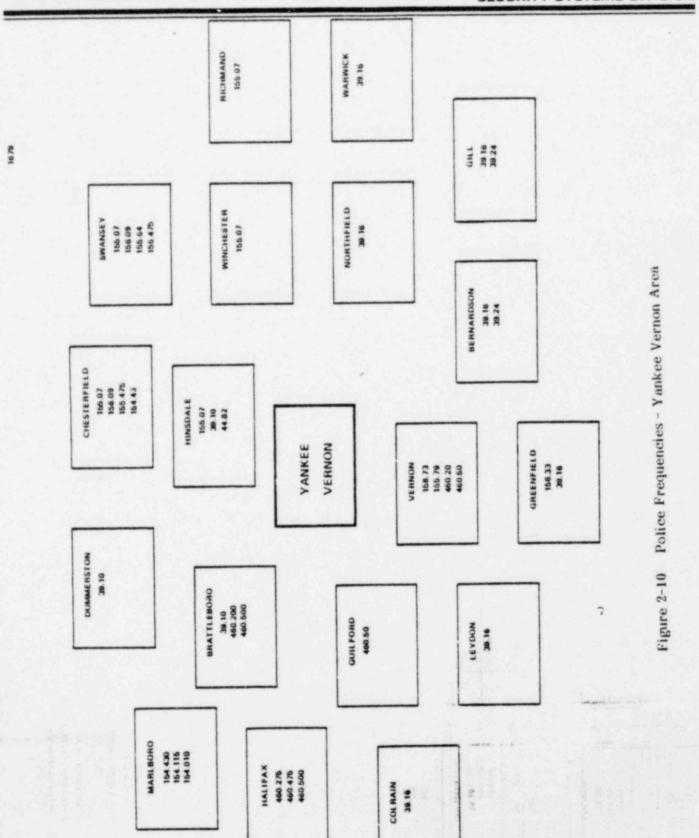


TABLE 2-5

# FIRE COMMUNICATIONS CAPABILITIES - YANKEE VERNON AREA

COMMUNITY	7 <u>0</u>	P/T FIRE	P/T FIRE	F/T FIRE F/T FIRE OFENATION	FIRE STATION LOCATION	VEHICLES	NADIO PRECUENCIES AVAILABLE	SIMPLEX/ DUPLEX	P. A. AVAILABLE	EMERGENCY POMER	PAGENS AVATLABLE	NEWNTE STREM CONTROL
Readsboro,	(9)	o	750	On Call	Wilmington		154.01		-	No Portable Yes	o	Socal Red Phones
Searsburg,	80			WILMIN	NON VIKE DES	ASTREBUT 16	WILMINGTON FIRE DESPIREMENT IGNIMASS FOR ARREAD. FEE	ML YEE				
Whitingham,	1206	0	92	On Call	In Town	5	154.01		0	ž	0	local
Wilmington,	1800	٥	2	On Call	In Youn	4	154.01 45.46 (local)		-	No. Fortable Yes	1.1	Aocal Red Chones
nslifax, vr	458	9	33	On Call	Manifor to Chief's Auste	s	154.01		0	No Fortable Yes	0	Local Red Phones
Heath, MA	464	0	25	On Call	In Town	7	33.54		2	No Portable Yes	o	tocal Red rhones
Colrain, MA	1500	0	52	On Call	In Yean	-	13,54		-	Yes	-	Local Ned Phones
Howe, MA	340	0	27	On Call	In Town	74	33.54		N	No Portable Yes	0	Hamaal Only
Buckland,	0000	0	77	On Call	In Town	~	13.54		1	· Yes	٥	tot al Pulli
Charlemont,	1050	0	15	On Call	In Town	٥	33,54		-	Fortable Yes	0	samually and beginning
Hawley, HA	900				SERVICE FR	CHARLER	SERVICE PROF CHARLEMATE ON PER BASI	-				
Savoy. HA	200	9	2	On Call	In Town	-	154, 11 BONA		-	tho Fortable Yes	01	SCHA Activates Payers

SECURITY SYSTEMS DIVISION

FIRE COMMUNICATIONS CAPABILITIES - YANKEE VERNON AREA (CONT.) TABLE 2-5

		The same of the sa								
Control Ma		*		in a lacking	MANGE PROJECTES AVAILABLE	STATE OF	P. A. AVAILABLE	ENE HUERAT	Property Available	PLNOTE STREN CONTROL
			ī					i		Manuakii Grink Automaton Capeta
Arlam.				hts Women	1. 1. 1.		3	ì	:	54 dozen in Tosn Payers Acti- vated by Police Dept
Monte of MA	4			th. enc	; logs, T technol.					#Period
Horth Adams	Pant			GALLERY CONTRACTOR CONTRACTOR	10 th 10 th			4		local
Clarksturg.	1000			And March	254 . 1 BCMA		3	flat of the sea	,	Lors hed Physics
Stanford,	75.0				-					School Rest Flame's Styles BCBA

TABLE 2-5
FIRE COMMUNICATIONS CAPABILITIES - YANKEE ROWE AREA (CONT.)

COMPRISE TY	104	E/T FIRE	P/T FIRE	F/T FIRE P/T FIRE OPERATION	FINE STATION LOCATION	VEHICLES	VEHICLES PREQUENCIES AVAILABLE AVAILABLE	SINFLEX/ DUFLEX	P. A. AVAILABLE	EMERGENCY POWER	PAGENS	NEMOTE SIMEN CONTROL
translate	3706	0	0#	on Calif	In Town		11.54 TSMA 13.78 SWIM		-	ž	0	SWAN
Chesterfield	2 300	0	32	On Call	In Town	7	11.78		0	No. Test	0	SWW
Charter		0	53	On Call	In Town		13.54		0	No Portable Yes	0	SWAY
field, NO							9 11		-	Bo	1	SWIA
Sperfford,		a .	5.9	On Call	In Town	-	31.10			â		
Swanney, 188	5000	0	900	On Call	1 Stations	77	13.54			Postable Yes	0	SHARA
Windowster.	1500	3	S	On Call	In Town Sub-Station At Achielot	~	13.54		~	No table Yes	g.	SWIN
tex clamend,	500	0	z	On Call	tis Town	e	154,43 SWM			the Fertiable Yes	g	SHMA
Marwick, MA	575	0	50	de Catt	In Town	7	11.54		-	No. 1. Sho Fortable Yes	01	Local Red Phones
Vernen, VI	1786	9	2	00 Call	In Town	3	11.54			Yes	2	Stren A Engers by Brattleboto Answerten Service
then there is a	2400		92	On Cart	In Town	7	33.54		*	No. Portable Yes	a	Papers by TSMA Stavn Manual
.111. MA	17.10	2	2	Op. Call	In Town		10.54		-	Yes		facal Best Photos or Bancal

TABLE 2-5
FIRE COMMUNICATIONS CAPABILITIES - YANKEE ROWE AREA (CONT.)

COMMITTY	FOP.	F/T FIRE		HOURS OF OPERATION	FIRE STATION LOCATION	VEHICLES AVAILABLE	RADIO FREQUENCIES AVAILABLE	SIMPLEX/ DUFLEX	P. A. AVAILABLE	EMERGENCY POWER	PAGERS AVAILABLE	SIREN CONTROL
uernardeten MA	Inous	0	6	On Call	In Town	5	33.54 33.46 Heral Circl		2	No Fortable Yes	12	Pagers by Tri-State Stren Local
Greenfield, MA Greenfie	18500 d Fire 1	32 locatio	15. a of Tama	24 flours	In Town	•	31.70 (Local Fire)		,	Yes	20	tocal
Leyden, BA	550	- 0	26	on call	Money	4	11.54		2	No	0	tocal
Coltain, MA	1500	0	25 .	On Call	In Town	•	11.54 11.70 19.16			Yes	lo local Monitors	local from Streeters Sarage
outford,	1435	0	23	On Call	In Town	5	33.54		2	No Portable Yes	. 0	Brattleboro Fire Dept
Halifax, VF	458		21	on call	Monitor in Chief's Home	*	154.01 Box 33.54 TSB		n	No. Postable Yes	0	Docal hed Phones
Brattletsoro VY	h 20000	23	м	24 thours	in Yown and West Brat- tickoro	12	13.54 19.68 Bra			Yes	0	local
Marlboro, VT	600	0	20	On Cali	In Youn	,	154.43 SHM 154.115 (1)		Ω	No Radio On Battery for Emergency		Answering Service Opens Op Monitors And Then Usen SMMA Radio
Dummerston,	1 100	0	40.	On Call	2 Stations in Tom	7	154.43 33.54		6	No Portable Yes	10	SMISA

2.3.6.4 Ten communities in the Yankee Vernon area make use of individual pagers, primarily to alert volunteer firement to a fire emergency. Only six communities in the Yankee Rowe area make use of pagers. Since the pagers are not carried at all times by the individual and are not in general used by all departments, the usefulness as a warning device throughout both areas is questionable. Also, the cost of the individual pager (\$80 and up) makes them less cost effective than other warning systems. Further, in high ambient noise areas (sawmills, tractor operation) the pager beep can go unnoticed.

2.3.6.5 The radio networks used by the four mutual aid systems in both areas are illustrated in Figures 2-11 and 2-12. It will be noted from Figure 2-11 that the Yankee Vernon plant is tied by radio to both SWMA in Keene and to TSMA in Greenfield as the primary means of communication. This circuit is backed up by commercial telephone lines. The Yankee Rowe plant is not presently tied to either of the mutual aid systems operating in its area. Present plans, including the future installation of the SS-4A system, do not include any of the mutual aid systems in either Yankee area.

2.3.6.6 Table 2-4 also shows which fire departments have vehicles carrying mobile (or fixed to vehicle) P.A. systems. Sixteen communities in Vernon and thirteen communities in the Rowe area have at least one fire vehicle equipped with a P.A. system. However, due to the obvious use to which P.A. systems can be put in street-to-street announcements during power failures and in circumstances where other notification systems are not 100% adequate, a closer study of P.A. systems is given here.

personal vehicles used in community work (police or fire) and vehicles equipped with P.A. systems. As expected, the preponderance of community owned vehicles are for fire fighting and some of these vehicles carry P.A. systems (about one-third). However, several communities have inadequate P.A. systems when looked at from

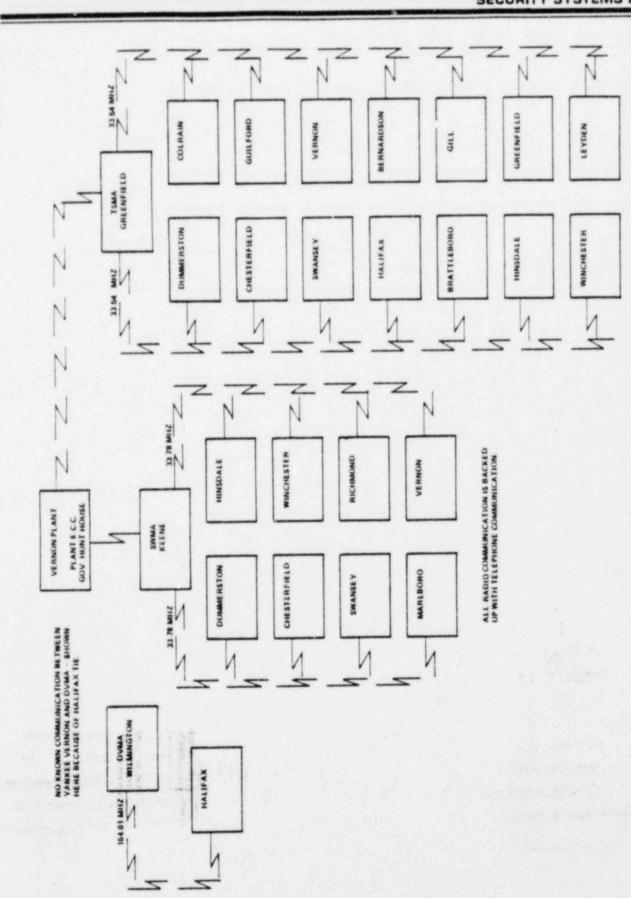
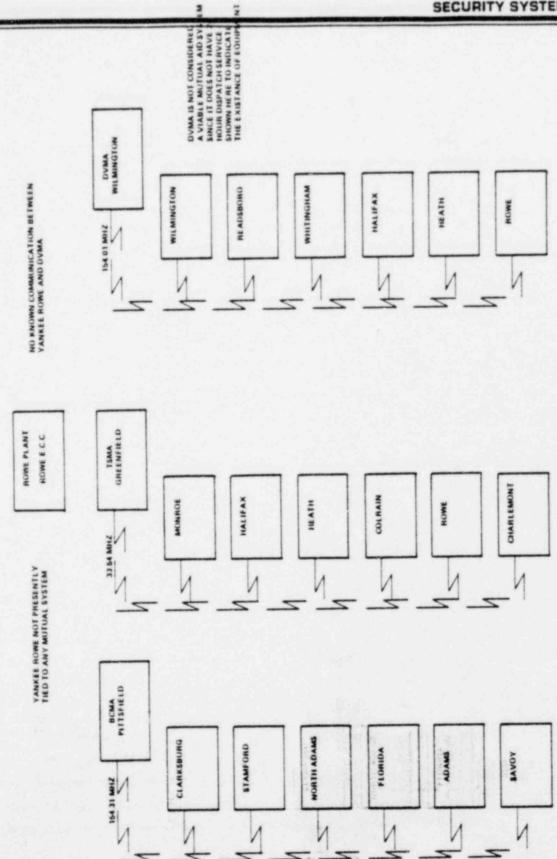


Figure 2-11 Fire Communications Coverage - Yankes Vernon Area

SECURITY SYSTEMS DIVISION



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ALL RADIO COMMUNICATION IS BACKED UP WITH TELEPHONE COMMUNICATION.

Figure 2-12 Fire Communications Coverage - Yankee Rowe Area

the standpoint of population concentration and miles of town roads that need to be covered. An example of this is the community of Chesterfield which is really four communities separated by several miles of town roads considered secondary or light duty roads. These are Chesterfield, West Chesterfield, Spofford and the Spofford Lake resort area. There is one police vehicle with a P.A. system and one fire vehicle with P.A. West Chesterfield has five roads with reasonably concentrated population totalling approximately two miles. Four miles East is Chesterfield with three roads populated and approximately two miles. Three and one-half miles EAst is Spofford having eight populated roads totally about one and one-half mile.s Just North of Spofford about one mile is the lake resort area with a peripheral road approximately five miles long with numerous side roads leading down to lakeside homes. Most of these side roads are several hundred yards in length and terminate at the lakeside homes. Due to terrain and heavy ground cover (trees) it is considered very difficult to warm each individual home in this area in timely fashion via mobile P.A. A small portion of this take resort is outside the 10 mile zone (perhaps 70 homes), however, there is only one peripheral road around the lake and it must be traversed in its entirety to cover all those within the 10 mile zone. Clearly, two P.A. equipped vehicles could not get an intelligent message of warning considering the miles to be covered within the 15 minute time frame. There should be a minimum of one P.A. equipped vehicle permanently assigned to each of these communities with the one designated for the resort area located in Spofford which would be assigned the East and North Shore of the lake and the other assigned the South and West shores after warning the Spofford area. This minimum capability might be considered as just meeting the 15 minute time frame, but should be considered as only a backup to some primary warning capability.

Looking further at Table 2-5, it is noted in the Yankee Vernon area that all communities have two or more P.A. systems available in vehicles with the exception of Marlboro and Halifax. In the Yankee Rowe area there are nine communities either with no mobile P.A. or only one P.A. available. These are Florida (1), Clarksburg (0), Savoy (1), Readsboro (1), Whitingham (0), Halifax (0), Stamford (1) and Searsburg (0).

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In view of the power outages which appear to occur more frequently in these areas than in large cities, it seems essential that a backup warning system be available in the form of sufficient mobile P.A. capacity to service those areas within the 10 mile zone. In judging this capacity, consideration has been given to the number of roads within the 10 mile zone having habitations, the approximate number of people involved, distance from town center and other criteria. Using these parameters it is judged that certain communities should be upgraded in this type of backup communication. These communities are Florida (1 unit), Clarksburg (2 units), Savoy (1 unit), Hawley (1 unit), Readsboro (1 unit), Whitingham (2 units), Halifax (West Halifax only - 1 unit), Stamford (1 unit), Searsburg (0 unit), Marlboro (1 unit), and Halifax (East) (0 unit).

# 2.3.7 National Warning System (NAWAS) Communications Network

In the Late 1950's some thought was given at the Federal level to replacement of the old CONELRAD system of early warning of nuclear attack for the general public. This eventually resulted in President Kennedy signing Executive Order 10952 on 20 July 1961 directing the Secretary of Defense to assume responsibility for warning the public. This resulted in the creation of the Emergency Broadcast System (EBS-see section 2.3.4 of this report) and the National Warning System (NAWAS).

In February, 1971, through personnel error, an attack warning was actually initiated within the EBS although no warning broadcasts were made for reasons given in section 2.3.4 of this report. Subsequently, the EBS was removed as an instrument of early warning through actions of the Office of Telecommunications as directed by the WhiteHouse. Today, remnants of this system remain in some parts of the Country, but its maintenance and usage are mainly on a regional or even local level and at the discretion of the operators of the equipment. Authority for activation of the equipment is frequently unknown to the operators.

The one remaining warning system stemming from Executive Order 10952 is the NAWAS which is a largely Federally-funded telephone network of dedicated

lines intended to warn federal, military and civilian authorities of impending or actual attack. The Disaster Relief Act of 1974 (Public Law 93-288) signed 22 May, 1974 established a new base for disaster activities of the Federal Government and authorized the President to make available Federal Civil Defense communication systems for the purpose of providing warning to governmental authorities and the civilian population in areas endangered by disaster. In effect, this was intended not only to encompass warning of nuclear attack by hostile elements, but also to include all environmental disasters such as tsunami, earthquake, volcanic activity, fire, explosion, major aircraft crash and a host of other environmental activity effecting the safety or health of the public.

The NAWAS is not all that encompassing nor can it warn of disaster to all local governmental authorities. This system is described below.

## 2.3.7.1 The NAWAS System

NAWAS is a dedicated nationwide party line telephone warning system operated on a 24-hour basis. It covers the contiguous United States and Alaska.

The national grid for NAWAS is given in Figure 2-13. Pursuant to the basic purpose of NAWAS, i.e., nuclear attack warning, the National Warning Center is located in the Combat Operations Center in Cheyenne Mountain, Colorado Springs, Colo., manned continuously by an Attack Warning Officer. This center in turn is connected to eight regional offices and approximately 350 Federal Agencies and military installations. Also connected to this system are 49 State warning points, one for each of the contiguous states and Alaska. This can be considered the Federal level of NAWAS and carries the circuit identification number GP2285001. Circuits from regional centers to each State have a different identifying number, and the three we are concerned with are GP2285003 (Vermont), GP2285004 (Massachusetts) and GP2285002 (New Hampshire). These three States are served by Region One which is depicted in Figure 2-14.



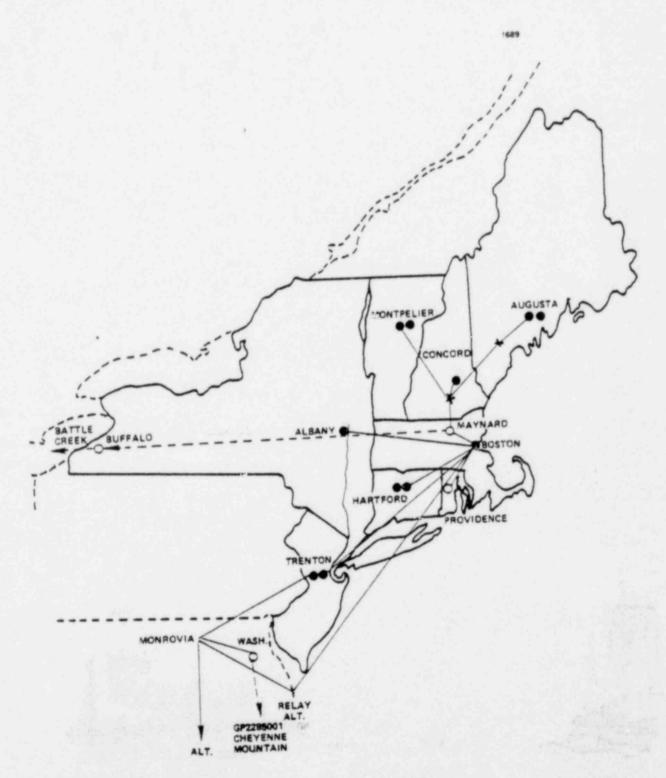


Figure 2-14 Region 1 (NAWAS)

State warning points are usually located in the State capitol and in a building or office which is staffed continuously due to NAWAS 24 - hour operation. From each State warning point NAWAS continues within the State to local governments which are usually local law enforcement or local fire stations. Not all local governments are on the NAWAS system since certain criteria must be met to qualify for a NAWAS installation. Among these are that the coverage must be 24-hour, must have warning responsibility for one or more political subdivisions, and must be at least 25 miles from an adjacent warning point.

Massachusetts has 50 warning points, New Hampshire 29 and Vermont 17. The closest warning point to Yankee Rowe is Greenfield, Mass. Fire Department, and the closest to Yankee Vernon is Brattleboro, Vermont Police Department. However, Yankee Rowe does not have an interface to Greenfield, so its' nearest NAWAS network within the State would be the State Police tie in Boston. Yankee Vernon has an interface to SWMA in Keene, and thus to Keene Fire Department (NAWAS state net) or Brattleboro Police (NAWAS state net).

As part of their responsibility for assistance in nuclear power plant safety, the Federal Government will provide NAWAS service to civilian nuclear power plants, but this service and subsequent charges must be paid by the power plant operator.

In view of the fact that this service is not presently available in any of the 36 contiguous communities (excepting Greenfield, North Adams and Brattleboro fire or police departments), and since no phone or radio is continuously manned in these communities, the NAWAS system and its interface through indirect means is not considered a cost effective way to proceed in the notification network around either Yankee Vernon or Yankee Rowe.

## 2.3.8 State CD Networks

#### 2.3.8.1 General

Only one of the three state CD networks interfaces into the Yankee Atomic plants. That interface is a radio transceiver located in Governor Hunt House at Yankee Vernon. Manning of this transceiver during any type of emergency at Yankee Vernon could not be determined. Its use and effectiveness during the 15 minute time frame is at best neutral.

The presently used mircrowave network linking Yankee Rowe and Yankee Vernon does not directly interface any of the three state CD networks but does contact all three of the State Police Headquarters (Concord, Middlesex and Boston.).

Thus, getting the CD networks initiated (during all off-duty hours) would require State Police contact to appropriate CD authorities in each state.

Once activated, the top level CD network appears adequate between top level CD personnel, CD operational centers and CD alternate operational centers. However, once these operational centers are manned, communication between the centers and individual communities and their CD Directors is unclear at best. For instance, none of the communities around Yankee Rowe or Vernon have transceivers for use on the state CD networks.

at Yankee Vernon where it seemed prudent to evacuate personnel downwind, the communities of Hinsdale, Winchester, Richmond, Swansey and Chesterfield would be affected. All of these communities are in New Hampshire. All of these communities are "on call" for both police and fire which means none of the present radio networks available in the communities is monitored. All of these communities have sirens which can be remotely controlled by SWMA (which can be alerted by State Police), but none of the sirens are effective nor do they have a specific

"environmental alert" tone. Very few, if any, of the population within the 10 mile zone could hear them if activated, and even then they would assume a fire in the community given the present attitude toward sirens. This really boils down to a first alert into each community by phone. (We are assuming a "worst case" condition of a middle-of-the-night alarm). Even though trunk capacity is limited in these communities, the chances are good that a "first alert" by phone would go through. As the first alarm is given and a "pyramid" of calls start after that, the chances of getting calls completed begin to drop to zero due to limited telephone equipment in the area. Thus, there is real danger that many of those within the 10 mile zone would never hear of the alert if the phone alone is the only communication house-to-house.

#### 2.3.8.2 Yankee Vernon and Vermont CD

Vermont CD utilizes a radio network within the State (45.52 MHZ) which links the E.O.C. in Montpelier, the alternate E.O.C. in Rockingham, the I.F.O. in Brattleboro, State Police, Vermont National Guard, the NOAA (NWS) office in Burlington, as well as the previously-mentioned transceivers at Governor Hunt. This is shown in Figure 2-15. Other means of communication are available for CD, but other than commercial telephone, none of these media interface with Yankee Vernon.

#### 2.3.8.3 The Future SS-4A Network

The type 490 SS-4A Selective Signalling System is also shown in part in Figure 2-15 with another part shown in Figure 2-16. This network is scheduled for installation in the Fall of 1980.

This is a 4-wire private line selective signaling system consisting of a terminal or group of terminals interconnected to form a network. Selective Signaling (SS) is an arrangement for the independent signaling of individual stations

within the network interconnected via a dedicated 4-wire line. This system can be arranged to operate on selective signaling networks which employ either Dual Tone Multifrequency (DTMF) or Single Frequency (SF) signaling. The basic station can be expanded up to a maximum of 54 stations per terminal.

The basic arrangement of a terminal will consist of transmitters and receivers, either DTMF or SF (but not mixed), individual station interface circuits (one for each telephone), ring generator and power supply, decoder (converts BCD incoming format to a decimal number), latch (where programmed call numbers are stored), common control (controls privacy operations) and a tone/lamp control (produces dial tone, intrusion tone, ringback tone and busy tone). In addition, there will be a line interface module connecting 4-wire lines to other terminals.

All the above equipment will be contained in a rack presumably mounted somewhere in the control room of one of the atomic plants. We do not have detailed plans but assume Yankee is using only one terminal since as many as 54 stations can be hung on the one terminal. The network supplied indicates a maximum of 17 stations at this time with Seabrook, Seabrook E.C.C. Rockingham E.O.C. and Yankee Framingham stations to be added later.

The distance between stations in most cases is beyond the range of loop signalling, therefore local signalling (Yankee Vernon to Concord E.O.C. for example) will be converted to DTMF or SF tone signals and sent down the network via the 4-wire dedicated line. This means that additional ringdown generators, decoders, latch and common control modules will be needed at most of the other stations. This increases cost considerably.

The SS-4A terminal, as mentioned previously, is intended to operate through a 4-wire dedicated line to other stations. In this specific case, a microwave link already exists between some of these stations making a cooper path unnecessary.

The private microwave channel is between:

Yankee Vernon - Mt. Ascutney - Vermont State Police microwave

Yankee Vernon - Mt. Kearsarge - New Hampshire State Police microwave

Yankee Vernon - Westboro Corporate Headquarters

Yankee Vernon - Bald Peak

There is a 4 wire active bridge (conferencing and relay) at Westboro allowing either Yankee Vernon or Yankee Rowe to talk to each other and an additional microwave link from Westboro to a station identified as PRUD having a leased wire link to State Police in Boston.

There is one additional microwave link which appears to emanate from Ascutney (probably Vermont State Police control) to Brattleboro E.O.C.. Thus, the SS-4A system will have access to all of the above and by means of leased wire, can access Yankee Rowe E.C.C., alternate E.C.C. at Shelburne Falls, Yankee Vernon E.C.D. in Governor Hunt House, alternate Vernon E.C.C. and the Belchertown E.O.C. via Bald Peak.

4-wire activity bridges (conferencing and relay) are apparently available in Montpelier and Concord State Police headquarters for contacting .Vermont State Police at Middlesex, Montpelier E.O.C., and Concord E.O.LC.

Again making an assumption that E. C.'s are manned by CD people, then this system is adequate to get warnings to the following tiers of officials:

- State Police Vermont (Montpelier Middlesex) New Hampshire (Concord) Massachusetts (Boston)
- E.C.C. Yankee Vernon Vernon (alt.) Yankee Rowe Shelburne Falls (alt.)
- E.O.C. Montpelier Concord Keene Belchertown Framingham
  Brattleboro

It is highly unlikely that alternate E.C.C.'s or any of the E.O.C.'s are manned in off-hours (weekends - nights). In this event, only State Police get immediate notification who presumably will notify CD people through other available communications networks (pagers, telephone).

Note that being full duplex, the system will probably get heavy use once the first warning is out for follow-on reporting of progress in assessment, containment and the like.

This system is an enhancement of the present system in that it enlarges the scope of contact between Yankee Vernon and Rowe to top-tier officials. But, as in the present system, it leaves to the public officials the manner and means of notifying individual communities and their populations.

# 2.3.8.4 Yankee Vernon and New Hampshire C.D.

Again, Yankee Vernon has no direct interface to New Hampshire CD. The indirect interface is through microwave to New Hampshire State Police in Concord and State Police to Civil Defense in Concord via radio (or pager or telephone at nights, weekends or holidays). State Police can alert SWMA via radio 24 hours and SWMA can contact some communities in the Vernon area by radio or phone and Tri-State (copies SWMA) can alert other communities in Massachusetts. This route would be preferable during off-hours since getting State CD alerted would be to use up more minutes in the 15-minute time range. Also, how State CD would get the alert into affected communities is unclear. See Figure 2-17.

To save even more time, Yankee Vernon has direct radio contact (33.54 mhz) with SWMA that can be activated at the same time State Police are notified. Thus, while State Police are notifying top state officials, SWMA and Tri-State can be the state of the state

titler, Str

notifying community officials. This communications network presently existing is clearly the fastest means of getting notification into New Hampshire and Massachusetts communities around Yankee Vernon.

#### 2.3.8.5 Yankee Rowe and Massachusetts CD

The Massachusetts CD E.O.C. is located in Framingham with the State being divided into four areas for CD purposes. Each area has an alternate E.O.C. and each area E.O.C. is tied to Framingham E.O.C. by microwave backed up by TTY and commercial telephone. In addition, Framingham acting as state control and warning point has access to NAWAS as does each area within the state.

The state has two assigned frequencies for CD work, 45.36 mhz. as primary and 45.32 mhz. as secondary. The Pilgrim Station in Plymouth and its E.O.C. are tied to Bridgewater (area two) E.O.C. by the secondary network.

The Yankee Vernon and Rowe areas are both within Massachusetts area four with E.O.C. at Belchertown. Belchertown has supplied an antenna with connecting hardware to Yankee Vernon which is mounted on Governor Hunt house to be used by Belchertown mobiles for communication by these mobiles back to Belchertown. There is no transceiver for either C.D. frequency at Yankee Vernon.

Yankee Rowe has no interface to Belchertown C.D. but this will be remedied in part by the SS-4 network, when installed. This same interface will then exist for Yankee Vernon to Belchertown. Again, in this state as well as in the other two, off-duty hours remain as a problem.

There is a program through FEMA for matching funds to purchase transceivers for use by communities to area E.O.C.'s. Massachusetts has already applied for frequencies to establish C.D. area/municipality networks. It is understood that this fund must be replenished to FEMA to be of use by municipalities.

# 2.4 SPECIAL PROBLEMS ASSOCIATED WITH THE ROWE AND VERNON AREAS

## 2.4.1 Population Density

There are two categories of population density in the Vernon and Rowe areas. The first category could be called high density which encompasses only four communities, i.e., Greenfield, Brattleboro, Adams and North Adams. These communities could be classified as cities in that they contain populations over 10,000, have full time fire and police protection and contain multiple service shopping centers, etc. However, their density of population per square mile averages only 458 people, far below truly large cities. In addition, the bulk of the population of Greenfield and Adams are outside the 10 mile limit for either atomic plant, so we are really concerned with only two large population centers, Brattleboro and North Adams.

The other density category encompasses all other communities in the Vernon and Rowe areas where population density in the Vernon area averages only 49 people/square mile and the Rowe area with an average population density of 37 people/square mile.

Given this density, or lack of it, makes it extremely difficult to recommend the conventional warning (notification) systems such as sirens, air horns and the like. Only a very few areas have been noted in this report as suitable for siren coverage. In recommending any such coverage, population density and its distribution has been a prime parameter in determining cost effectiveness.

# 2.4.2 Topography

Another factor mitigating against audible alarm devices is the local terrain. Altitude in both areas ranges from under 1000 feet MSL to over 2400 feet MSL. Both Yankee areas are bordered on the West by the Hoosac Range within the Appalachian chain, and the entire region is a series of mountains and valleys with little flat land available anywhere. Further, the entire region is heavily

forested primarily with temperate zone perennial trees such as beech, birch, elm, pine, spruce and balsam. There are several State forests in the region such as Mohawk Trail, Catamount, Savoy Mountain, Hawley and Mt. Grace. These factors plus the distances between habitations makes it mandatory to investigate other means of notification over and above audible alarm devices.

## 2.4.3 Recreational and Seasonal Use Areas

There are 16 public recreational areas in Massachusetts considered subject to the 10 mile - 90% - 15 minute, and 10%-45 minute regulation. They are primarily State forest areas covering an area of over 50 square miles, and are generally available for both summer and winter activities. Most areas can be entered at numerous points around their perimeters without hindrance and without checkpoints of any kind.

New Hampshire has four areas (State parks or State forests) partly within the 10 mile zone and again with numerous entry points with no check on entrance or exit. Approximately 20 square miles are within the 10 mile zone.

Vermont has three recreational areas in the 10 mile zone. They total approximately 250 acres and are usually populated only during the summer months.

except for a few p ely owned campgrounds or beaches, there is no check on use of any of these and communications in these areas is limited to a single phone at a ranger static are provided) or at the owner's establishment in case of privately owned beaches or campgrounds. There is no emergency power available in any of these areas, and with the single exception of a skating rink in North Adams, no P.A. systems are available.

In general, there are very few roads into the State forest areas. Such roads as exist are only suitable for 4-wheel drive vehicles or snowmobiles. They can be characterized as trails with travel slow and arduous.

One area is highly isolated and available only by boat. This is Perry Island in Lake Spofford. Perry Island is nine miles from Yankee Vernon. There is no power and no communications available. It is a popular picnic area during the summer months.

A few of the larger State forests, such as Savoy, contain fire towers with limited radio equipment contacting usually the nearest State Police barracks for forest fire warning. These are manned by a single warden who is usually available only during peak fire months (May through August).

There are a few designated areas in the State forests for camping, but none of them have commercial power available, and roads into these grounds are not normally plowed during winter months.

All of these areas will have a highly transient population, and during summer months the larger ares may have 1000 or more people present at any given time.

There is no cost effective approach to a warning notification system which would be effective in these recreational areas. If the recreational areas such as State forests can be considered as that portion of the population outside the 5 mile zone and within the 10% to be warned in 45 minutes, then there is a possibility that communities having portions of these areas can warn campgrounds or picnic areas by means of vehicles equipped with mobile P.A. systems. This reasoning could not apply to such areas within the 5 mile zone such as parts of the Monroe State Forest just East of Yankee Rowe and parts of Pisgah Mountain range, neither of which has any bordering roads. Such areas are true void areas. Thought should also be given to giving the present wind direction from the generating plant should a level 3 or 4 warning ever be needed so that local public officials (police, fire, CD) will have some idea which areas should have priority in notification.

# 2.4.4 Limitations of Local Government

By far the most serious limitation of local government is the "on call" aspect of all police and fire departments excepting those on 24 hour coverage. This could be offset to some extent by replacing antique sirens with modern high powered sirens having dual tone capacity (fire and environmental emergency), training the public in the dual-tone use and supplying sirens in strategic areas not presently equipped. This is not considered viable or cost effective for the various reasons given in Section 2.3.6 of this report. Placing at least the fire nets on 24 hour surveillance in each community would place a burden on the smaller communities which is not reasonable, or again, cost effective.

## 2.4.5 Auxiliary Power

One of the purposes of the survey conducted under this contract was to determine the capability of any fixed or portable generators owned by each community to support emergency communications in the event of a power outage.

The probability of a power failure in almost all of the communities surveyed is considered relatively higher than most urban areas for the following reasons:

- Almost all areas are heavily forested.
- Most of the distribution system used for these communities (13KV or lower) are on poles close to or within forested areas.
- Severe storms can and have knocked down power lines in many areas.
- 4. Severe surges (lightning) will knock out power breakers mounted on poles and isolate areas in each community for periods up to several hours due mainly to the distance involved and geography of the areas.

LEGIS TO TOUTH & ST

High power distribution grids (108KV and up) are relatively immune to severe surges due to lightning protection carried by all towers, and these crisscross both areas in the warning zoen (10 mile radius). However, these grids are not intended to service individual areas, thus the possibility of power outages remains high.

Recognizing this, most communities around each atomic power plant have some form of auxiliary power available. Exceptions are two communities in the Yankee Rowe area (Hawley and Florida) which have no form of auxiliary power for either fire or police communication. In Yankee Vernon area, Hinsdale and Leyden have no emergency power.

Most communities have portable generators in the 1000 to 3000 watt range which can handle a receiver and limited emergency lighting. Most of these portables are associated with the community fire department or are carried on fire fighting mobile equipment. All are energized by gasoline with a very marginal supply available to the operation of the generator. Some generators have sufficient capacity to handle one or two small lights as well as the fire station radio.

The larger communities (Brattleboro, Greenfield) have fixed station generators capable of handling radios and a number of lights and some peripheral equipment. One small community, Vernon, VT., has a 20 KVA generator that could handle the entire fire station.

With the exception of the larger communities, none of the police stations have auxiliary power. However, in some cases portable generators, where available, could be transported to the police radio location to keep this equipment operating.

A general assessment of auxiliary power capability in either Yankee Atomic area is that it is marginal for the following reasons:

 Available power is just sufficient to keep one radio operating with possibly one or two small lights.

- Fuel capacity immediately available is very small (one or two hours operation).
- Maintenance procedures in most areas appear nonexistent. Periodic operation under load is seldom if ever carried out.

### 2.4.6 Telephone Networks

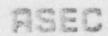
This subject is discussed in Section 2.3.2, but is mentioned here as a limitation in many of the communities around Yankee Rowe and Yankee Vernon due to lack of trunks, dial equipment and other hardware necessary to prompt and efficient telephone service. A detailed study of the present system will be made when technical information is available on local equipment in these areas.

#### 3.0 RECOMMENDATIONS

#### 3.1 GENERAL

The recommendations made in this section of this report are based on a number of parameters gathered during the survey and an analysis of present capability within each community. The parameters bearing on the recommendations are:

- Population of each community and that portion within the Emergency Planning Zone.
- 2. Population density within the Emergency Planning Zone.
- Kind, type of surface and roadway distances from population centers (location of public vehicles) to outlying habitations.
- 4. Public vehicles available on a continuous basis. NOTE: Personal vehicles used in community service are not considered as necessarily available continuously since they are usually the only vehicle available to the individual.
- 5. Equipment on vehicles which can be used to obtain warning or directional information and dissemination to the public (radios, P.A. systems, sirens, etc.)
- Base station facilities and their usage (24 hour, "on call").
- Communication networks within each community.
- Communication networks external to the community but with simplex or duplex capability within the community.
- State and Federal communication networks available to the community.
- Community civil defense plans for alert notification and/or evacuation procedure.
- 11. Location and adequacy (coverage) of local audible warning devices.



- 12. Location, adequacy and portability of emergency power supplies.
- Terrain features and unique impediments to disemination of information to the public.
- Adequacy of coverage of public communication systems; broadcast AM, FM, TV, cable TV, commercial power and telephone.

#### Rationale for recommendations:

For reasons stipulated throughout this report, the NOAA NWS communication warning network is selected as the basic notification system to the public. To implement this the basic transmitter at Mt. Ascutney must be supplemented by slave transmitters at or near ground zero (Rowe and Vernon plants). These slave transmitters will operate directly off the main transmitter at Burlington, Vermont via either landline or microwave. Costs of these equipments and related peripheral costs are given later in this section.

The rationale for selection of establishments for receivers is based on closeness of neighbors and roads between establishments. Usually if houses are close, one house in five is selected for a receiver. In cases where they are further apart, (keeping in mind the 15 minute time frame) one house in three is selected.

Back up systems were usually selected as community owned vehicles with mobile P.A. system. Where these are considered insufficient for the time frame or a large number of miles are involved, an enhancement to the present system is suggested.

In a few cases, telephone contact in sparsely settled areas is considered sufficient.

For larger concentrations of people, such as schools or camps, institutional grade receivers are suggested.

In a few other cases, audible devices are recommended, invariably where there are flat areas with larger concentration of the population.

#### 3.2 YANKEE VERNON AREA

#### 3.2.1 Warwick

The very sparse population within the Emergency Planning Zone can be covered by the available mobile P.A. systems and local telephone. The distance from ground zero (Vernon plant) makes this group a candidate for the 10-mile, 45 minute category.

#### 3.2.2 Northfield

See Section 2.3.1 - Northfield. Two additional high power sirens are required, one near the Route 10 bridge and one near the consolidated school. They should be 125 db, rotatable and with back-up power. In addition, the old siren near center of town should be replaced with a high power (125 db) unit. All sirens should have dual-warn capability (fire and civil emergency) and be activated by fire department.

Est. Cost	\$24,000
Installation	6,000
TOTAL -	\$30,000

As backup for siren system, the police department should have one additional mobile P.A. system.

Est. Cost	\$800
Installation	150
TOTAL -	\$950

Camp Northfield and Mt. Hermon School should each have institutional grade NOAA weather receivers in appropriate offices.

Est. Cost \$700
Installation 150
TOTAL - \$850

TOTAL FOR NORTHFIELD \$31,800

#### 3.2.3 Gill

An institutional grade NOAA weather receiver should be installed in an appropriate office of Mt. Hermon School.

Est. Cost \$350
Installation 75
TOTAL - \$425

No other equipment is necessary.

TOTAL FOR GILL \$425

## 3.2.4 Bernardston

One additional mobile P.A. system is required on a fire department vehicle.

Est. Cost \$800
Installation 150
TOTAL - \$950

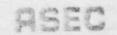
The following NOAA weather receivers are required in selected habitations along the following roads.

Route 5 - 10 NOAA receivers

Turners Falls Road - 5 NOAA receivers

Martindale Road - 5 NOAA receivers

Purple Meadow Road - 5 NOAA receivers



Bald Mountain Road - 6 NOAA receivers
Hill Road - 6 NOAA receivers
Haigs Road - 9 NOAA receivers
Eden Hill Road & Eden Road - 8 NOAA receivers

TOTAL RECEIVERS 54

Est. Cost \$1,620
\*Installation 810
TOTAL - \$2,430

\*Throughout these recommendations, installation of NOAA receivers has been based on installation of an external whip antenna only. A decision to permanently mount the receivers is a power company decision and costs would be variable in their circumstances.

TOTAL COST FOR BERNARDSTON \$3,380

### 3.2.5 Greenfield

The following NOAA receivers are needed along the roads specified.

Country Club Road - 2 NOAA receivers
Upper Barton Road - 5 NOAA receivers
Route 10 - 6 NOAA receivers
Lampblack Road - 8 NOAA receivers

TOTAL Receivers 21

Est. Cost \$630 \( \)

Installation \( \)

TOTAL - \$945

TOTAL FOR GREENFIELD \$945

#### 3.2.6 Colrain

NOAA receivers are suggested for the following locations:

Green River Road - 15 NOAA receivers
West Leyden Road - 8 NOAA receivers
New County Road - 3 NOAA receivers
TOTAL - 31

Est. Cost	\$930
Installation	465
TOTAL	\$1,395
TOTAL FOR COLRAIN	\$1,395
(Vernon Area Only)	

# 3.2.7 Leydon

NOAA receivers are suggested at the following locations:

Oak Hill Road -	2 NOAA receivers
Greenfield Road -	7 NOAA receivers
East Glen Road -	5 NOAA receivers
Road between Greenfield & Glen -	2 NOAA receivers
Katlez Road -	4 NOAA receivers
Eden Road -	6 NOAA receivers
East Hill Road -	11 NOAA receivers
Frizzel Hill Road -	7 NOAA receivers
Brattleboro Road -	6 NOAA receivers
Greenfield Road (North of cemetery) -	17 NOAA receivers
Old County Road -	16 NOAA receivers
West Leyden Road -	6 NOAA receivers
River Road -	7 NOAA receivers
Alexander Road -	2 NOAA receivers
Brook Road -	3 NOAA receivers
TOTAL -	101 receivers
Est Cost Installation TOTAL -	\$3,030 1,515 \$4,545

TOTAL FOR LEYDEN

\$4,545

## 3.2.8 Richmond

NOAA receivers are suggested at the following locations:

Roaring Brook Road - 7 NOAA receivers

\$210
105
\$315

TOTAL FOR RICHMOND \$315

## 3.2.9 Swansey

Equipment and receivers are suggested at the following locations:

Federal model 5A siren with control unit in center of Westport.

Est. Cost	\$2,292.50
Installation	750.00
Emergency Power	2,000.00
TOTAL -	\$5,042.50

NOAA receivers at five homes in hills within 10 mile zone.

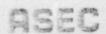
Est. Cost	\$150
Installation	75
TOTAL -	\$225

TOTAL FOR SWANSEY \$5,267.50

## 3.2.10 Chesterfield

Equipment and receivers are suggested at the following locations:

Spofford Lake area -	50 NOAA receivers
Route 63	22 NOAA receivers
Hubbard Hill Road -	5 NOAA receivers
Hubbard Hill extension road -	9 NOAA receivers
Hine Meadow Road -	7 NOAA receivers



White Application in the con-

Sargent Hill Road - 7 NOAA receivers

Streatso Hill Road - 5 NOAA receivers

River Road - 8 NOAA receivers

Route 9 - 31 NOAA receivers

Chesterfield/Westermoreland Road - 4 NOAA receivers

TOTAL receivers - 148

Est. Cost \$4,440
Installation 2,220
TOTAL - \$6,660

One mobile P.A. on fire vehicle for use in West Chesterfield.

Est. Cost \$800
Installation 150
TOTAL - \$950

TOTAL FOR CHESTERFIELD \$7,610

## 3.2.11 Winchester

Equipment and receivers are suggested at the following locations:

6 NOAA receivers Pisgah Reservoir -2 NOAA receivers Camp Rabbit Hollow -17 NOAA receivers Dartmouth Road North -14 NOAA receivers Dartmouth College Road -4 NOAA receivers Batton Road -3 NOAA receivers Burnt Hill Road -13 NOAA receivers Hale Pond Road -10 NOAA receivers Roaring Brook Road -10 NOAA receivers Spot Meadow Road -5 NOAA receivers Forest Lake South -

TOTAL - 34 receivers

Est. Cost \$2,520
Installation 1,260
TOTAL - \$3,780

One mobile P.A. for fire vehicle.

Est. Cost	\$800
Installation	\$150
TOTAL -	\$950

TOTAL FOR WINCHESTER \$4,730

## 3.2.12 Hinsdale

The NOAA receivers are suggested at the following locations.

17 NOAA receivers
18 NOAA receivers
18 NOAA receivers
19 NOAA receivers
21 NOAA receivers

TOTAL - 93 receivers

Est. Cost	\$2,790
Installation	1,395
TOTAL -	\$4,185

## 3.2.13 Vernon

Equipment and receivers are suggested at the following locations.

One mobile P.A. for fire vehicle.

Est. Cost	\$800
Installation	150
TOTAL -	\$950

Pond Road -	23 NOAA receivers
Hill Road -	16 NOAA receivers
Newton Road -	7 NOAA receivers

		46
TOTAL	receivers -	40

Est. Cost Installation	\$1,380 690
TOTAL -	\$2,070
TOTAL FOR VERNON	\$3,020

# 3.2.14 Guilford

Equipment and receivers are suggested at the following locations:

Weatherhead Hollow Road -	35 NOAA receivers
Route 5 -	33 NOAA receivers
Guilford Center Road -	23 NOAA receivers
Green River Road -	35 NOAA receivers
Packer Corner Road -	8 NOAA receivers
TOTAL -	134
Est. Cost Installation TOTAL	\$4020 2010 \$6030
Two mobile P.A. for fire vehicles	
	\$1000

Est. cost	\$1600
Installation	300
TOTAL -	1900
TOTAL for Guilford	\$7930

# 3.2.15 Halifax

Equipment and receivers are suggested at the following locations:

Hinesburg Brook Road -	6 NOAA receivers
Green River Road -	NOAA receivers
Mountain Road -	6 NOAA receivers
Amidon Road -	5 NOAA receivers

TOTAL - 24 receivers

Est. cost	\$720
Installation	360
TOTAL -	\$1080

One mobile P.A. on fire vehicle (Fire Chief does not want P.A. system) - suggestion: convince him of a need or find another Fire Chief.

Est. cost	\$800
Installation	150
TOTAL -	\$950
TOTAL FOR HALIFAX	\$2,030

## 3.2.16 Brattleboro

Two high power sirens are needed - one on North side of high density population and one on south side of high density population.

Recommend Federal 1000A or equivalent.

Est. Cost	\$7,771
*Installation	2,500
TOTAL -	\$10,271

<sup>\*</sup>emergency portable power available.

TOTAL FOR BRATTLEBORO \$10,271

# 3.2.17 Marlboro

Equipment and receivers are suggested at the following locations.

Ames Hill area -	6 NOAA	receivers	6.000 ¥ 007.0	
Est. Cost Installation TOTAL -	\$180 90 \$270	5130 90 1275		
One mobile P.A. on fire vehicle				
Est. Cost Installation TOTAL -	\$800 150 \$950			
TOTAL FOR MARLBORO 3-11	\$1,220			

#### 3.2.18 Dummerston

NOAA receivers are suggested at the following locations.

Route 5 - 17 NOAA receivers

Center Road - 16 NOAA receivers

Cemetery Road - 10 NOAA receivers

Route 30 - 5 NOAA receivers

TOTAL receivers - 48

Est. Cost \$1,440
Installation 720
TOTAL - \$2,160

TOTAL FOR DUMMERSTON \$2,160

TOTAL FOR YANKEE VERNON AREA - \$91,228.50

#### 3.3 YANKEE ROWE AREA

#### 3.3.1 Colrain

NOAA receivers are suggested at the following locations.

Thompson Road - 14 NOAA receivers

South Taylorbrook - 6 NOAA receivers

Christian Hill Road - 9 NOAA receivers

Stetson Road - 7 NOAA receivers

Wilson Hill Road - 10 NOAA receivers

Hillman Road - 1 NOAA receivers

Hillman Road - 1 NOAA receiver Adamsville Road - 15 NOAA receivers

Maxam Road - 7 NOAA receivers

Taylorbrook Road - 7 NOAA receivers

TOTAL - 76 receivers

Est. Cost \$2,280
Installation 1,140
TOTAL 3,420

TOTAL FOR COLRAIN \$3,420

#### 3.3.2 Charlemont

Equipment and receivers are suggested at the following locations.

Legato Hill Road - 5 NOAA receivers

Tatro Road - 2 NOAA receivers

Maxwell Road - 1 NOAA receiver

Rowe Road - 4 NOAA receivers

Warner Hill Road - 1 NOAA receiver

All the above within 5 mile zone.

9 NOAA receivers Zoar Road -9 NOAA receivers Hawley Road -4 NOAA receivers Harris Road -14 NOAA receivers Route 2 West -10 NOAA receivers Mountain Road -2 NOAA receivers Tower Road -2 NOAA receivers Riddell Road -5 NOAA receivers South River Road -3 NOAA receivers Legato Hill Road (outside 5 mile) 2 NOAA receivers Bassett Road -2 NOAA receivers Potters Road -7 NOAA receivers Warner Hill South -10 NOAA receivers Heath Road -Route 2 East -29 NOAA receiver: 6 NOAA receivers Vincent Road -8 NOAA receivers Burnt Hill Road -10 NOAA receivers West Oxborn Road -4 NOAA receivers East Oxborn Road -

141 receivers

Two mobile P.A. for fire vehicles.

Est. Cost \$4,230
Installation 2,115
TOTAL \$6,345

Two mobile P.A. for fire vehicles.

Est. Cost \$1,600
Installation 300
TOTAL - \$1,900

TOTAL FOR CHARLEMONT \$8,245

#### 3.3.3 Heath

Equipment and receivers are suggested at the following locations.

One institutional grade NOAA receiver in security office at Papoose Laka.

Est. Cost \$350
Installation 75
TOTAL - \$425

Two mobile P.A. for fire vehicles.

Est. Cost \$1,600
Installation 300
TOTAL - \$1,900

Number 9 Road - 14 NOAA receivers

Rowe Road - 6 NOAA receivers

Stetson Road - 4 NOAA receivers

Summer Road 2 NOAA receivers

Underwood Hill Road - 2 NOAA receivers

All the above within 5-mile zone.

Colrain Road -	13 NOAA receivers
Underwood Road (North) -	4 NOAA receivers
Jacob Road -	5 NOAA receivers
Number 9 Road -(North)	10 NOAA receivers
Ben Road -	7 NOAA receivers
Flagg Road -	5 NOAA receivers
Colrain Stage Road -	8 NOAA receivers
Dell Road -	12 NOAA receivers
Burrington Road -	10 NOAA receivers
South Road -	9 NOAA receivers
Bassett Road -	2 NOAA receivers
Town Farm Road -	1 NOAA receiver
Avery Road -	8 NOAA receivers
Colrain Brook Road -	3 NOAA receivers

TOTAL Receivers -

187

Est. Cost	\$5,610
Installation	2,805
TOTAL -	\$8,415

TOTAL FOR HEATH \$10,740

# 3.3.4 Buckland

NOAA receivers are suggested at the following locations.

Installation 90	S	outh	River	Road	- 0	NOAA	Legelvera
Ilistanation	E	st. C	ost				\$180
TOTAL- 270	Ir	nstall	lation				90
IOIAL	T	OTA	L-				270

TOTAL FOR BUCKLAND

3-15

#### 3.3.5 Hawley

Equipment and receivers are suggested at the following locations.

D - I C	3 NOAA receivers
Dodge Corner area -	
East Road -	1 NOAA receiver
East Hawley Road -	20 NOAA receivers
Middle Road -	9 NOAA receivers
Pudding Hollow Road -	6 NOAA receivers
West Hawley Road -	21 NOAA receivers
West Hill Road -	6 NOAA receivers

TOTAL	Pagaiwars -	66
IOIAL	Receivers -	00

Est. Cost	\$1,980
Installation	990
TOTAL -	2,970

Two mobile P.A. in constable's vehicles.

Est. Cost	\$1,600
Installation	990
TOTAL -	1,900

TOTAL FOR HAWLEY \$4,870

#### 3.3.6 Rowe

Equipment and receivers are suggested at the following locations.

Potters Road -	7 NOAA receivers
Cross Road -	6 NOAA receivers
Lesures Road -	
Davids Mine Road -	
Cyrus Road -	
Black Hill Road -	
Shipper Road -	4 NOAA receivers
Brown Road -	2 NOAA receivers

Hazelton Road -	14 NOAA receivers
Tunnel Road -	5 NOAA receivers
Petries Road -	3 NOAA receivers
Brittingham Hill Road -	3 NOAA receivers
Zoar Road -	8 NOAA receivers
Davenport ~	1 NOAA receiver
Maxwell Road -	3 NOAA receivers
Zoar Road (South) -	5 NOAA receivers
Steele Brook Road -	5 NOAA receivers
Ford Hill Road -	13 NOAA receivers
Pond Road -	4 NOAA receivers

96

TOTAL Receivers -

Est. Cost	\$2,880
Installation	1,440
TOTAL -	\$4,320

One mobile P.A. on fire vehicle.

Est. Cost	\$800
Installation	150
TOTAL -	\$950

TOTAL FOR ROWE \$5,270

# 3.3.7 Florida

Equipment and receivers are suggested at the following locations.

Replace siren at Olsen Road, replace siren at Shaft and Stryker Roads, new siren West of Whitcomb summit.

Est Cost	\$23,313
Est. Cost	
Installation	7,500
Emergency generators	6,000
TOTAL -	\$36,313

One mobile P.A. for fire vehicle.

Est. Cost	\$800
Installation	150
TOTAL -	\$950

Bliss Road -	1 NOAA receiver
Tilda Hill Road -	10 NOAA receivers
Blackstone Road -	11 NOAA receivers
North Country Road -	1 NOAA receiver
Route 2 -	9 NOAA receivers
Shaft Road -	9 NOAA receivers
Strykers Road -	11 NOAA receivers
Savoy Road -	5 NOAA receivers
Monroe Road -	5 NOAA receivers
Whitcomb Hill Road -	14 NOAA receivers
Route 2 East -	10 NOAA receivers
South Street -	8 NOAA receivers
South County Road -	6 NOAA receivers

TOTAL	Receivers -	100
TOTAL	Receivers -	700

Est. Cost	\$3,000
Installation	1,500
TOTAL -	\$4,500

TOTAL FOR FLORIDA	\$42,263
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# 3.3.8 Savoy

Equipment and receivers are suggested at the following locations.

Black Brook Road -	5 NOAA receivers
Harwood Road -	2 NOAA receivers
Brier Road -	4 NOAA receivers
Chapel Road -	5 NOAA receivers
Barnard Road -	3 NOAA receivers

Burnett Road - 2 NOAA receivers

Florida Road - 4 NOAA receivers

New State Road - 5 NOAA receivers

TOTAL Receivers - 30

Est. Cost \$900 Installation 450 TOTAL - \$1,350

One mobile P.A. on fire vehicle.

Est. Cost \$800
Installation 150
TOTAL - \$950

TOTAL FOR SAVOY \$2,300

#### 3.3.9 Adams

No population in 10 mile zone.

#### 3.3.10 North Adams

Equipment is suggested at the following locations.

New siren north of Route 2, new siren between radio tower and river, new siren north of technical school.

Est. Cost \$23,313
Installation 7,500
Emergency generator 6,000
TOTAL - \$36,313

Two mobile P.A. on fire vehicles.

Est. cost \$1,600
Installation 300
TOTAL - \$1,900

TOTAL FOR NORTH ADAMS \$38,713

#### 3.3.11 Clarksburg

Equipment and recievers are suggested at the following locations.

West Street - 25 NOAA receivers
Cross Road - 40 NOAA receivers
East Street - 18 NOAA receivers
Middle Road - 28 NOAA receivers

TOTAL Receivers - 111

Est. Cost \$3,330
Installation 1,665
TOTAL - \$4,995

Two mobile P.A. on fire vehicles.

Est. Cost \$1,690
Installation 300
TOTAL - \$1,900

TOTAL FOR CLARKSBURG \$6,895

#### 3.3.12 Monroe

Equipment and receivers are suggested at the following locations.

All north roads (20 homes) - 20 NOAA receivers

Est. Cost \$600
Installation 300
TOTAL - \$900

At Monroe Bridge new model 5A (Federal) or equivalent siren.

Est. Cost \$2,292.50
Installation 2,000.00
Emergency Generator 2,000.00
TOTAL - \$6,292.50

TOTAL FOR MONROE \$7,192.50

#### 3.3.13 Stamford

Equipment and receivers are suggested at the following locations.

Harrigan Trail -	3 NOAA receivers
Cowan Brook -	2 NOAA receivers
Harrigan Road -	4 NOAA receivers
County Road -	4 NOAA receivers
County Road Extension -	3 NOAA receivers
East Street -	19 NOAA receivers
Route 8 -	83 NOAA receivers

TOTAL Receivers - 118

Est. Cost	\$3,540
Installation	1,770
TOTAL -	5,310

One mobile P.A. for fire vehicle.

Est. Cost	\$800
Installation	150
TOTAL -	\$950

TOTAL FOR STAMFORD - \$6,260

#### 3.3.14 Readsboro

Equipment and receivers are suggested at the followin locations.

21 NOAA receivers
21 NOAA receivers
6 NOAA receivers
1 NOAA receiver
12 NOAA receivers

TOTAL Receivers -

3-21 61

Est. Cost \$1,830
Installation 915
Total \$2,745

One mobile P.A. for fire vehicle.

Est. Cost \$800
Installation 150
TOTAL - \$950

Siren replacement Village of Readsboro Model 5A (Federal) or equivalent.

Est. Cost \$2,292.50
Installation 2,000.00
Emergency Generator 2,000.00
TOTAL - \$6,292.50

TOTAL FOR READSBORD \$9,987.50

#### 3.3.15 Searsburg

No population in 10 mile zone.

#### 3.3.16 Whitingham

Equipment and receivers are suggested at the following locations.

14 NOAA receivers Route 8 (West) -1 NOAA receiver Carley Cemetery Road -11 NOAA receivers Sadaruga Lake Road -25 NOAA receivers Route 8A -4 NOAA receivers Hasley Hill Road -7 NOAA receivers Route 8 East -8 NOAA receivers Gates Cemetery Road -3 NOAA receivers Laurel Lake -10 NOAA receivers Road in N.E. corner -

TOTAL Receivers - 83

Est. Cost \$2,490
Installation 1,245
TOTAL - \$3,735

Two mobile P.A. for fire vehicles.

Est Cost \$1,600 installation 300 TOTAL - \$1,900

TOTAL FOR WHITINGHAM \$5,635

#### 3.3.17 Wilmington

NOAA receivers are suggested at the following locations.

Medburyville Road - 5 NOAA receivers

Reservoir Road - 15 NOAA receivers

Route 8 - 11 NOAA receivers

TOTAL Receivers - 31

Est. Cost \$930
Installation 465
TOTAL - \$1,395

TOTAL FOR WILMINGTON \$1,395

# 3.3.18 Halifax

Equipment and receivers are suggested at the following locations.

West Halifax only - one mobile P.A. on fire vehicle.

Est. Cost \$800
Installation 150
TOTAL - \$950

North of West Halifax - 19 NOAA receivers
South of West Halifax - 47 NOAA receivers

TOTAL Receivers

66

Est. Cost \$1,980
Installation 990
TOTAL - \$2,970

TOTAL FOR WEST HALIFAX \$3,920

TOTAL FOR YANKEE ROWE \$157,826

TOTAL FOR BOTH AREAS \$249,054.50

#### 3.4 THE WARNING AND NOTIFICATION SYSTEM

The primary system cannot be activated without slave transmitters, one each located in the vicinity of Yankee Row and Vernon and operating on one of the three assigned NWS frequencies. These transmitters would routinely broadcast weather information keyed by the Burlington, Vermont NWS transmitter but would be interrupted to carry real-time warning alarm environmental disturbance that could effect life or health of the public. Actual location of these alarm transmitters would depend on field measurements made at the time of installation.

Est. cost (two systems) \$11,000
Installtion (estimated) 5,000
Emergency power 4,000
TOTAL \$20,000

Recurring cost for lines from Mt. Ascutney to Vernon and Rowe:

Ascutney to Vernon \$137.60/month Ascutney to Rowe \$206.80/month

# APPENDIX A

					D #	
POPULATION 1286	DATE	5/28/	80	SOURCE_	Town Hall	
AREA(SQ.MI.)	% IN	EPZ: (	5MI)_	X (1	OMI)	Vernon
SEASONAL DEMOGRAPHICS: ESTIMATED POPULATION I	NCREA	SES:_	None	9		
DURING MONTHS (WEEKS)						
LOCATION(S):						
TYPE:				,		
			- december	- Landard		
MUNICIPAL OFFICIALS IN	TERVI	EWED:				
NAME				P	OSITION	
				Police Ch	ief	
Herbert Meyer			Actq. Fire Chief			
Raymond Capen			CD Director			
Raymond Puffer Walter Zaluzny			Chairman BD of Selectmen			
walter zaidzny						
			_			
			_			
NOTES:						

# FOLICE DEPARTMENT

Full Time 2 P	art Time3 Hours of Operation0800-0290
Vehicles	1 Type Sedan
	Yes Frequency 158.73, 155.97, 460.200, 460.500
	Yes If funds Avail, Equip others
Portables	Pagers
Monitor Receivers i	in Officers Homes
	Sheriff's Office Brattleboro  Brattleboro Police and Fire - Vernon Fire  Ored Hinsdale NH Police - VT State Police  C.B.
	802-254-6962
Auxiliary Power (Ye	es) (No) X
	1
	ty
Portable Generators	s (Yes) (No)
Make/Model	
Assist in Preparat	ion of Notification Plan (Yes) X (No)
NOTES	

	18 Hours of Operation Volunteer
	Type Fire Fighting
	Frequency 33.54
	If funds Avail, Equip others Yes
Portables 5	Pagers 18
Monitor Receivers in Office Base Station Location	ire Dept.
Time to the transfer of	ri State and Southwestern Mutual Ald C.B.
Telephone Lines  No Hot Lines	Answering Service - Brattleboro
Auxiliary Power (Yes) X Make/Model Winpower 20 KVA	
Type/Amount of Fuel Gaso	line - 1000 Gals
Any Added Capability CD a	t Fire Station
Portable Generators (Yes)	(No)
Make/ModelInstalled o	Notification Plan (Yes) (No)X
NOTES	
Fire calls received by answ	ering servie - Receivers/pagers tone activated by
answering service - Audible	e device at Fire Station also activiated by the
service. Fire Dept. monito	or in school.
- Alberton	이번 이번에 되는 경우를 하면 하고 있다면 하는데 없었다.

FIRE DEPARTM	ENT	(CONTINUED)
Mutual Aid w	ith	Tri State
		(Yes) (No)
Location(s)		Fire Station
		Old School House (to be installed Fall 1980)
How Activate	ed _	1. Remotely from Avenue Answering Service - Brattlebor
		2. Same
Make/Model	_	1. Federal 10 HP 360° Rotary - "Thunderbolt"
		2. Unknown Old Siren
Effective Ra	nge	Both 96% of Town
221000210 1.0	, -	Difficult to hear in southern section of town
Test Frequer	ncy	Every Saturday 12:30 PM
NOTES		

IVIL DEFENSE				
.O.C. (Yes) _	X (No	o)		
ocation Fire	Station Al	ternate E.O.C. I	ocations	
mergency Warn	ing Devices at E	.o.c. (Yes)	(No)	
adio Capabili	ty (Yes) X	(No)		
elephones (Ye	s) X	(No)		
uxiliary Powe	r at E.O.C. (Yes	). X (No	)	
Make/Model Sam	e as Fire Dept.	Fuel	Amount	
E.O.C. Manned	by CD and Town Of	fficials		
فسير وسيسطيط				
	s CoveredAny o			
Notification P	lan in Place (Ye	(s) A	(No)	
Types Has been	sent to state CD for	r approval		
NOTES				
				t - You are

rown Guilford		STATE	VT	ID #	
OPULATION 1435					
AREA(SQ.MI.) 36					
SEASONAL DEMOGRAPHI	cs:		N		
ESTIMATED POPULATION	N INCRE	ASES:	None		
DURING MONTHS (WEEK	(S) OF:_			4. Co.	
LOCATION(S):					
TYPE:					
MUNICIPAL OFFICIALS	SINTER	TEMED:		POSITION	
NAME					
Sernie LaRock				re Chief	1
Fritz Hewitt				Director	
Thomas Hunt			Car	ot. Fire Dept.	
Peter Wilde			Se	lectman	
Alfred Franklin			Se	lectman	
Barbara Hunt			Se	lectman	
NOTES .					
NOTES:					

# POLICE DEPARTMENT

Full Time 0 Part Time 1	Hours of Operation
	Type
	Frequency
	If funds Avail, Equip others
	Pagers
	omes
Base Station Location	
	С.В.
Auxiliary Power (Yes) (No	
Make/Model	
Portable Gene ators (Yes)	
Make/Model	
	cation Plan (Yes) (No)
NOTES	
	vices in the Town. The elected constable has
a State Police radio in his person	al carve

ill Time Part Time	23 Hours of Operation Volunteer  Fire Fighting
hicles	Type Fire Fighting
dio Equipped 4	Frequency 33.54
	If funds Avail, Equip others Yes
ortables	Pagers
	Homes
ase Station Location Fire Dep	t.
ther Dept's Monitored	С.в.
elephone Lines	144,07
ot Lines	
uxiliary Power (Yes) (Portables 1500 + 3000	
Make/Model Will run Radios + few	
Type/Amount of Fuel	
Any Added Capability	
Portable Generators (Yes)	(No) X
Make/Model	
	ification Plan (Yes) (No)
ASSIST IN Fleparation	
NOTES	
	No. 25 and the contract of the

# FIRE DEPARTMENT (CONTINUED)

futual Aid with	Tri State and Southwestern Mutual Aid
	(Yes) X (No)
ocation(s) F	ire Station
ow Activated	Remotely from Brattleboro Fire Dept.
	Manually from Fire Station
Make, Model	Unknown 5HP
Effective Range	Two miles
Type of Tone	Siren
NOTES	

Notification Plan in Place (Yes) (No)  Types  NOTES	Alternate E.O.C. Locations  evices at E.O.C. (Yes) X (No)  es) (No) (No)  E.O.C. (Yes) (No)  Fuel Amount  vered  in Place (Yes) (No)	IVIL DEFENSE	
Radio Capability (Yes) (No)  Relephones (Yes) (No)  Auxiliary Power at E.O.C. (Yes) (No)  Make/Model Fuel Amount  E.O.C. Manned by  Types of Events Covered  Notification Plan in Place (Yes) (No)  Types  NOTES	evices at E.O.C. (Yes) X (No)  es) (No) (No) (No) (No) (No) (Yes) (No) (Yes) (No) (Yes) (Y		
Radio Capability (Yes) (No)  Relephones (Yes) (No)  Auxiliary Power at E.O.C. (Yes) (No)  Make/Model Fuel Amount  E.O.C. Manned by  Rypes of Events Covered  Notification Plan in Place (Yes) (No)  Types  NOTES	(No)	ocation Fire Station	Alternate E.O.C. Locations
Relephones (Yes) (No) (No) (No) (No) (No) (No) (No) (No	(No)  E.O.C. (Yes) (No)  Fuel Amount  Vered  In Place (Yes) (No)	mergency Warning Devices at	E.O.C. (Yes) X (No)
Make/Model Fuel Amount  S.O.C. Manned by  Types of Events Covered  Notification Plan in Place (Yes) (No)  Types  NOTES	Fuel Amount  /ered in Place (Yes) (No)		
Make / Model Fuel Amount  E.O.C. Manned by  Types of Events Covered  Notification Plan in Place (Yes) (No)  Types  NOTES	rered (No)	Celephones (Yes)	(No)
Types of Events Covered  Notification Plan in Place (Yes) (No)  Types  NOTES	rered(No)	Auxiliary Power at E.O.C. (	Yes) (No)
Types of Events Covered  Notification Plan in Place (Yes) (No)  Types  NOTES	rered in Place (Yes) (No)	Make/Model	Fuel Amount
Notification Plan in Place (Yes) (No)  Types  NOTES	in Place (Yes) (No)		
NOTES			
NOTES		Notification Plan in Place	(Yes)(No)
		Types	
		NOTES	
		10120	
			According to the second of the party of the

TOWN	Brattleboro		STATE	VT	dispense	ID #	
POPULATI	ON 12000	DATE	5/27/80		SOURCE	Town Manage	er
AREA (SQ.	MI.) 30	- % IN	EPZ: (5	MI)_	χ (	10MI)	Verno
SEASONAL	DEMOGRAPHIC	S:					
ESTIMATE	D POPULATION	N INCRE	ASES:				
DURING M	ONTHS (WEEK	S) OF:					
LOCATION	(S):						
	Brattleboro				economic	center of are	ea - The
	population						
	day.						
		*******					
MUNICIPA	AL OFFICIALS	INTERV	IEWED:				
	NAME					OSITION	
Corwin	Elwell .					er/CD Directo	<u> </u>
Howard	Mattison			Fi	re Chief		
Orman	Holden			Di	rector Pu	iblic Works	
Marcel	LeClaire			Ca	ptain Pol	ice Dept.	
NOTES:	unicipal Center		"Vanguard	Talan	hone Sust	rom" with int	erface to
			vanguar u	reveb	mone syst	Jem Wyen in	
New Er	ngland Tel and	el.					
La Abrilla L.							
-							i i li Til.

# POLICE DEPARTMENT

Full Time 26 Part Time 15 Hours of Operation 24 hours
Vehicles 5 Type Sedans 460.200
Radio Equipped 5 Frequency 39.10 VTSP 460.500
P.A. Equipped 5 If funds Avail, Equip others
Portables Pagers
Monitor Receivers in Officers Homes
Base Station Location Police Dept.
Other Dept's Monitored C.B.
Telephone Lines 802-254-2321/2322
Hot Lines No
Auxiliary Power (Yes) X (No)
Make/Model
Type/Amount of Fuel
Any Added Capability
Portable Generators (Yes) (No)
Make/Model
Assist in Preparation of Notification Plan (Yes) X (No)
NOTES
Police Dept. also monitors a flood alarm for Whetsone Brook.

Full Time 22 Part	rime 30 Hours of Operation 24 hours
	Type Fire Fighting
Radio Equipped 12	Frequency 33.54 and 39.68
P.A. Equipped 5	If funds Avail, Equip others yes
Portables	Pagers
name Station Location	ficers Homes
shar Dentie Monitored	Police Dept DPW - Southwestern Mutual Aid C.B.
Telephone Lines80	2-254-4831 and 257-0253
Hot Lines	
Auxiliary Power (Yes)	
Make/Model Willy's 10KW	
Type/Amount of Fuel Pr	ropane Gas 250 lbs.
Any Added Capability _	
Portable Generators (Ye 1. 10KW Air Make/Model 2. 1-3kW +	cooled Gasoline 1 1 1/2KW Onan's Gasoline
Assist in Preparation	of Notification Plan (Yes) (No)
NOTES	
Main Fire Station Brat	tleboro Center - Substation W. Brattleboro
uma-lagalitikak tupagai sake tina ta 1900 - 190	

TIRE DEPARTMENT	(CONTINUED)
ntual Aid with	Tri State
	(Yes) X (No)
	Central Station - Elliott St.
2.	Substation - W. Brattleboro
How Activated _	Manually - Central Station
Make/Model	Gamewell .
Effective Range	
Test Frequency	Every Evening 9:10 PM
	Air Horn
NOTES  Fire Chief beli	eves two additional audible devices will cover
the entire town	

IVIL DEFENSE
.O.C. (Yes) X (No)
ocation Municipal Center Alternate E.O.C. Locations
mergency Warning Devices at E.O.C. (Yes) (No) X
State CD System - 23 Channel CB T/R Radio Capability (Yes) X (No)
Celephones (Yes) See Notes (No)
Auxiliary Power at E.O.C. (Yes) X (No)
Make/Model See Police Fuel Amount
E.O.C. Manned by Town and Dept. Officials
Notification Plan in Place (Yes) X (No)
NOTES
Two telephones are in place 802-254-4541/4542 Neither phone works

# PUBLIC WORKS DEPARTMENT

Pull Time 34 Part	Time Hours of Op	eration 8A-6P	Mon. thru Fr
	Type		
Radio Equipped 19	Frequency		Yes
P.A. Equipped0	If funds Avail,	Equip others	
Portables	Pagers		
	ficers Homes		
Base Station Location _	Pleasant Valley Reservoir -	Remote at Public	Works Dept.
	Tri State - VT State Police		
Telephone Lines 802-2			· ipicate
Hot Lines None			
Auxiliary Power (Yes)	X (No)		
T	asoline 10 Gals		
Any Added Capability			
Portable Generators (Ye	(No)		
Make/Model			
Assist in Preparation o	f Notification Plan (Yes	) <u>X</u> (No)	
NOTES			
REMINISTRATION OF THE PROPERTY			

OWN Dummerston		STATE	VT	ID #	
OPULATION 1300+	DATE	6/25/80	s	OURCE	
REA(SQ.MI.)	% IN	EPZ: (5MI	)	(10MI) /	
EASONAL DEMOGRAPHICS	5:				
STIMATED POPULATION	INCRE	ASES:N	one		
URING MONTHS (WEEKS					
OCATION(S):					
TYPE:					
	*******	TEWED.			
MUNICIPAL OFFICIALS	INTERV	TEMED:		POSITION	
NAME			C	Director	
Cliff Emery				sst. Fire Chief	
Larry Lynch				ssc. Fire direc	
NOTES:					
About 1/2 total popul	ation 1	ives within	10 mi	le zone:	
Putney converting Co.	75 emp1	oyees (Putne	y Dep	ot)ex legate 7	
Vermont Graphics 30-4					
					100

# POLICE DEPARTMENT

Full Time0	Part Time	Hours of	Operation 0	n call
Vehicles 1		Type Sedan		
		Frequency		
		If funds Avai		
Portables	0	Pagers	0	
		Homes 4		
Base Station Loc	ation Town Gar	rage East West Road		
Other Dept's Mon	itored Monitor	or Brattleboro PO FO	- SP - Rescue	C.B.
Telephone Lines	Any Officer	Larry Cook Chief - Cliff Emery	2411	Days
Hot Lines0				
Auxiliary Power	(Yes)	(No) <u>X</u>		
Make/Model Town	n Garage			
Type/Amount of F	uel			
Any Added Capabi	.lity			
Portable Generat	ors (Yes)	(No) _		
Make/Model				10-
Assist in Prepar	ration of Not	ification Plan (	Yes)	(No)
NOTES				
		THE STATE OF		Child See

ull Time 0 Part Tim	e 40 Hours of Operation Call
enicles 7	Type 2 pumpers; 2 tankers; 1 rescue, jeep & pickup
adio Equipped 6	Frequency 154.43 Keene, MA
.A. Equipped 6	If funds Avail, Equip others
Portables 6	Pagers 10
Monitor Receivers in Offic	ers Homes 20
Base Station Location	1 each station
	Tri State - Rescue Inc. Brattle C.B.
Telephone Lines 1	
Hot Lines0	
Auxiliary Power (Yes)	(No)X
Make/Model	
Type/Amount of Fuel	
Any Added Capability	T. (Nichtica)
Portable Generators (Yes)	X Rescue Trk (lighting)
Make/Model Homelite 2500W	
	Notification Plan (Yes)(No)
NOTES	
Fire call Keene, MA Alarm	remotely controlled
	10 mile 70ne
Both Fire Stations outside	to mile zone.
	Application of the second

# FIRE DEPARTMENT (CONTINUED) Mutual Aid with SWMA Audible Devices (Yes) 2 (No) Location(s) Dummerston + W Dumm. East west rd - West rd. How Activated Thru Keene (SWMA) Make/Model Dummerston - Federal 5 HP W. Dummerston - Unknown Effective Range 2 miles north - east and west Test Frequency Tues 7 PM weekly Type of Tone Wailing Siren NOTES

Y /	
O.C. (Yes) X (No)	
ocation Town Garage Alternate E.O.C. Locations	None
mergency Warning Devices at E.O.C. (Yes)(No)	X
adio Capability (Yes) X (No) 39.10 Town Freq.	
elephones (Yes) X (No)	
uxiliary Power at E.O.C. (Yes) X (No)	
ake/ModelGE 30KW Fuel _GasolineAmount	2500 Gals
.O.C. Manned by CDD et al.	
V	
otification Plan in Place (Yes) X (No)  Ypes Revising Present Plan	
Revising Present Plan  NOTES	
Revising Present Plan  NOTES  Radio - Clear reception	
Revising Present Plan  NOTES  Radio - Clear reception  TV - Cable being installed	

POPULATION 600 DATE  AREA(SQ.MI.) 36 % IN  SEASONAL DEMOGRAPHICS: ESTIMATED POPULATION INCRE  DURING MONTHS (WEEKS) OF:	EPZ: ASES:_	(5MI)		(10MI	)X		
SEASONAL DEMOGRAPHICS: ESTIMATED POPULATION INCREA DURING MONTHS (WEEKS) OF:	ASES:_	Year					Vernon
DURING MONTHS (WEEKS) OF:_	School '	Year					
DURING MONTHS (WEEKS) OF:_	School '	Year					
DURING MONTHS (WEEKS) OF:	School '	Year					
LOCATION(S):							
							_
TYPE: Marlboro College - 200							
MUNICIPAL OFFICIALS INTERV	IEWED:						
NAME				POSIT			
Albert McAuslan			Fire Ch	ief	_′		
Russell Southworth			Police	Chief &	CD D	irecto	
	-						
NOTES: NOTES							
Andrews of specific from							
						1.35	V-1-1-1-1-1
							-1 to 0 to

#### POLICE DEPARTMENT

Full Time O Part Time 2 Hours of Operation As needed
Vehicles 2 Personal Type 154.43 SWMA
Radio Equipped Yes (2) Frequency 154.115 Town
P.A. Equipped No If funds Avail, Equip others
Portables *2 Pagers 2
Monitor Receivers in Officers Homes One
Base Station Location Avenue Answering Service
Other Dept's Monitored C.B.
Telephone Lines **254-4122 (Avenue Ans Svc)
Hot Lines No
Auxiliary Power (Yes) (No)X
Make/Model
Type/Amount of Fuel
Any Added Capability
Portable Generators (Yes) (No)
Make/Model
Assist in Preparation of Notification Plan:(Yes) X (No)
NOTES
* 1 Portable - Same frequency as mobile
1 Portable - 154-43 and 154.115
** Telephone answered by answering service - Police pager activated and message given
in code not plain language.
No Police Station - Chief works out of his house.

Full Time	Part Time 20	Hours of Ope	ration Volunteer	
Vehicles	3	Type Fire Fightin	19	
Radio Equipped	2	Frequency 154.43	154.115 Town Fre	eq
		If funds Avail,	Equip others Yes te Chief Fire Chief	
Portables				
Monitor Receiver	s in Officers	Homes 9 + 6 Scanner	S	
Base Station Loca	ation Fire Sta	ation and Remote Avenue	Answering Service	
Other Dept's Mon	itored So. West	tern - Deerfield Valley		C.B.
Telephone Lines <sup>2</sup>				
Hot Lines No	ne			
Auxiliary Power	(Yes)(Y	(o) X		
		d with emergency light	on battery charge	
The Amount of F	Radio Sys	tem equipped with batt r immediate switchover	ery backup on trickle	e
Type/Amodic of 1	charge for	r immediate switchover	in event of loss of	commercial
Any Added Capabi	Tity power.	(250)		
Portable Generat	ors (Yes)	(No)		
Make/Model 2000	W Gasoline on on	each truck		
Assist in Prepar	ration of Noti	fication Plan (Yes	(No)	
NOTES				
+2 Portables in	PD with same Fre	q. Property of Town	- Page 19 Land	
Red Phone Sys te	m 31 Answering S	Service - 1 Whitney's S	tore - 1:Post Office	
Ans. Svc puts t	one on 154.115 Or	pens up Scanners then c	alls via radio SWMA.	
They activiate	tone opens up mor	nitors .		

## FIRE DEPARTMENT (CONTINUED)

dake/Model  Effective Range  Eest Frequency  Type of Tone
ow Activated
Type of Tone
ake/Model  ffective Range  est Frequency  Type of Tone
Cest Frequency Cype of Tone
Sest Frequency Sype of Tone
Test Frequency
Type of Tone  NOTES  Phone NET+T - Red Phones out twice in this calender year
Type of Tone
NOTES
Phone NET+T - Red Phones out twice in this calender year
Electric Central VT Public Service
Radio WTSA Good +
TV Generally Good

CIVIL DEFENSE				
E.O.C. (Yes) X	(No)			
Location Town Cl	erks Office Alter	nate E.O.C.	Locations	Fire Station
Emergency Warning	Devices at E.O.	C. (Yes)	(No)	X
Radio Capability				
Telephones (Yes)	254-4080/4081	(No)		
Auxiliary Power a	t E.O.C. (Yes) _	(	No) X.	* * *
Make/Model		Fuel _	Amoun	t
E.O.C. Manned by				
Notification Plan				
NOTES  CD Director is als	so Police Chief. He	estimates it	would take 33	minutes
to notify the Dwe	llings within 10mz.			
	The state of the s			
made -				

OMB	STATE_	* 1	ID +	
OPULATION 458				
REA(SQ.MI.)				
EASONAL DEMOGRAPHI	CS:			
STIMATED POPULATIO	N INCREASES:			
URING MONTHS (WEEK	(S) OF: Summer			
OCATION(S):				
TYPE: 500 Summer res	idents spread thro	oughout town	1	
			446.00	
MUNICIPAL OFFICIALS	INTERVIEWED:			
NAME			POSITION	k
Thomas Raius		CDD		
Al Corey		Police	Chief	
Wayne Courser		Fire C	hief	
nay ne source.				
				71
NOTES:				
NOTES: 413 Dwellings in Hal	ifax			
413 Dwellings in Hal	- Not Known			
413 Dwellings in Hal	- Not Known	- Built W		
413 Dwellings in Hal	- Not Known	- Built W		

Full Time 1 Part Time Hours of Operation As Required
Vehicles 1 Personal Vehicle Type Sedan 460.475
Radio Equipped 1 (Town Owned) Frequency 460.500
P.A. Equipped 1 (Personal Property) If funds Avail, Equip others
Portables 0 Pagers 0
Monitor Receivers in Officers Homes
Base Station Location State Police Yes
Other Dept's Monitored Fire/Rescue/State Police C.B.
Telephone LinesChief's Home
Hot Lines None
Auxiliary Power (Yes) (No)X
Make/Model
Type/Amount of Fuel
Any Added Capability
Portable Generators (Yes) (No)
Make/Model
Assist in Preparation of Notification Plan (Yes) (No) X
NOTES

Full Time O Part Ti	me Hours of Operation Volunteer
Vehicles 5	Type Fire Fighting
	Frequency Deefield Valley; Tri State
	If funds Avail, Equip others No
	Pagers 0
	cers Homes 8
	nief's Home; Capt's Home
Other Dept's Monitored	Deerfield Valley and Tri State C.B.
Telephone Lines	(Red Phone)
Hot Lines	
Auxiliary Power (Yes)	(No) X
Make/Model	
Type/Amount of Fuel	
Any Added Capability	
	) X (No)
	t Gasoline - 5 gals.
Assist in Preparation of	Notification Plan (Yes) (No) X
NOTES	
	re House - Chief's House - Capt. Town Clerk - Eineman's
Aed Phone (3) Tocacions 111	
Home - Siren maybe activat	ted from any phone.

FIRE DEPARTMENT	(CONTINUED)			
Mutual Aid with	Tri State and	Deefield V	/alley Mutual Aid	
Audible Devices				
Location(s) Fire				
How Activated	*Red Phones			
Make/Model 31/2	HP Make/Model	Unkn.		
Effective Range	Good Day	3 Miles		
Test Frequency _	Weekly; So	unday 12:30	Р	
Type of Tone	Siren			
NOTES				
Phone - NET+T Rel	iable			
Elec - Vermont El	ect			
Radio - Good				

TV - Pretty Good

<sup>\*</sup> Not operable manually from Fire Station - except by station Red Phone (locked in station).

CIVIL DEFENSE		
E.O.C. (Yes)	(No)	
Location	Alternate E.O	.C. Locations
Emergency Warning De	vices at E.O.C. (Yes)	(No)
Radio Capability (Ye	s)(No)	
Telephones (Yes)	(No)	
	.o.c. (Yes)	
		Amount
Types of Events Cove	ered	
Notification Plan in	Place (Yes)	(No) X
Types		
NOTES		
Emergency plan not in	place	

	E N.H. ID #
POPULATION 3700 DATE 5/2	
AREA(SQ.MI.) 36/37 % IN EPZ:	(5MI) X (10MI)
SEASONAL DEMOGRAPHICS:	
ESTIMATED POPULATION INCREASES:	
DURING MONTHS (WEEKS) OF: Sum	mer
LOCATION(S):	
TYPE: Summer cottages (100) spread	d out in remote areas Hindsale
Hindsdale Horse Track Season - Mobi	ile homes near track
MUNICIPAL OFFICIALS INTERVIEWED	
NAME	POSITION
James Stanclift	Fire Chief 336-5512
Ralph Simonds	CD Director (Home)
Thomas McQuarry	
NOTES:	

Full Time 4 Part Time	12 Hours of Operation 24 Hours
Vehicles 2	Type Sedans
Radio Equipped 2	Frequency 155.07 (Cheshire Co.)
P.A. Equipped 2	If funds Avail, Equip others
Portables	Pagers
	rs Homes
Base Station Location Police	Station
Other Dept's Monitored New	Hamp. State Police 44.82 Chan #3 Winter C.B.
Telephone Lines 336-7766	Hamp. State Police 44.82 Chan #3 Winter C.B.
Hot LinesMore	
Auxiliary Power (Yes)	(No) <u>x</u>
Make/Model	
Type/Amount of Fuel	
	(No)
Make/Model	
Assist in Preparation of Not	ification Plan (Yes) X (No)
NOTES	

Full Time 0 Part Time 40	Hours of Operation Volunteer
Vehicles 7	TypeFire Fighting
Radio Equipped 5	Frequency 33.54 & 33.78
P.A. Equipped 1	If funds Avail, Equip others Tes
Portables	Pagers
Monitor Receivers in Officers	Homes
Base Station Location Fire De Tri Stat Other Dept's Monitored Hindsdal	ept. Le/Southwestern Le/Keene and State Police C.B.
Telephone Linesyes	
Hot Lines No	
Auxiliary Power (Yes)(N	
Make/Model	
Type/Amount of Fuel	
Any Added Capability	
Portable Generators (Yes)	
Make/Model	
Assist in Preparation of Noti:	fication Plan (Yes) X (No)
NOTES	
and the second s	

## FIRE DEPARTMENT (CONTINUED)

Mutual Aid with	Southwester	1	
Audible Devices	(Yes) X		(NO)
Location(s)			
The second secon			
Test Frequency			
Type of Tone	Siren		
NOTES			

CIVIL DEFENSE				
.o.c. (Yes)	Х	(No)		
ocation Fir	re Dept.	Alternate E.O	.C. Locat	ions
mergency Warni	ng Devices	at E.O.C. (Yes)	Χ	(No)
adio Capabilit	y (Yes)	X (No) _		
Celephones (Yes	)	X (No) _		
		(Yes)		
Make/Model		Fue	1	Amount
Types of Events	Covered _	All emergencies		
Types	All emerge	encies		
NOTES				
Notification plan	calls for us	ing telephone - fir	re and poli	ce PA systems and
door to door.				
The state of the s				

rown Winchester	STATE NH	ID #	
POPULATION 3500 DATE			
AREA(SQ.MI.) 55 % IN			
SEASONAL DEMOGRAPHICS:			
ESTIMATED POPULATION INCRE	ASES:	1500	
DURING MONTHS (WEEKS) OF:_	Memorial Day t	to Labor Day	
LOCATION(S):			
TYPE: Summer Cottages/Camping	Area's at For	rest Lake	
	TELED.		
MUNICIPAL OFFICIALS INTERV	TEWED:		
NAME		POSITION	
John Sims		Police Chief	
John Sullivan		Fire Chief	
Paul Ciechonski		CD Director	
Ernest Kirouac		Emergency Services	
Constraint of the second secon			
NOTES:			

Full Time 2	Part Time	10 Hours of Operation	Daily 7A - 2A Weekends 7A - 3A
		TypeSedans	
		Frequency 155.070	
		If funds Avail, Equip	others
Portables		Pagers	
Monitor Receiver		Homes	
Other Dept's Mor	nitored		С.В.
Hot Lines No	ne		
Auxiliary Power	(Yes)(	No) X	
Make/Model			
Type/Amount of	Fuel		
Any Added Capab	ility		
Portable Genera	tors (Yes)	(No)	<del></del>
Make/Model			
Assist in Prepa	ration of Noti	fication Plan (Yes)	(No) X
NOTES			
			- In the Angle State of the Angl

Wehicles 7	Type Fire Fighting	
Radio Equipped 7	Frequency 33.54 and 33.78	
P.A. Equipped 2	If funds Avail, Equip othe	rs Yes
Portables	Pagers 0	
Monitor Receivers in Office Base Station Location Fin	re Station	
Other Dept's Monitored Son	uthwestern and Tri State	С.В.
Telephone Lines		
Hot Lines None		
Auxiliary Power (Yes)		
Make/Model		
Type/Amount of Fuel		
Any Added Capability		
Portable Generators (Yes) 1. 1500 Watt - Ga	X 2 (No)	
Make/Model		
Assist in Preparation of No	otification Plan (Yes)	(No) <u>x</u>
NOTES		
Production and District Control of the Control of t		

## FIRE DEPARTMENT (CONTINUED)

Mutual Aid with	Southwestern and Tri State
Audible Device	s (Yes) (No)
Location(s)	1. Central Fire Station
	2. Sub station - Ashuelot
How Activated	1. By Southwestern and manually at station
	2. Manually at substation
Make/Model	1 and 2 unknown
Effective Rang	e 2 miles - good day
Test Frequency	1 Siren with Clapper
Type of Tone _  Bratt  NOTES Green  Radio - Keene	2 Siren leboro - WTSA field - WHAI
TV - Cable	
Telephone - N	ET+T Reliable
Employers - A	C Lawrence Leather Co mploys approx 150 people
*	

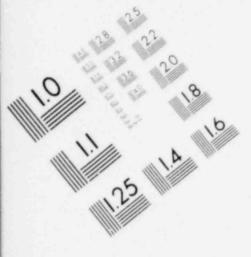
VIL DEFENSE			
.o.c. (Yes) X (No)			
ocation Emergency Service Buildiagtern			
mergency Warning Devices at E.O.C	. (Yes)	(No)	X
Radio Capability (Yes) X	(No)		
elephones (Yes)			
Auxiliary Power at E.O.C. (Yes)	(No	) <u>x</u>	
Make/Model	Fuel	Amount _	
E.O.C. Manned by Town Officials			
Notification Plan in Place (Yes)			
Types			
NOTES			
Emergency Services (volunteer group)			
Two Abmulances 1. four channel mobile	1. 155.340 Ho 2. 155.070 Po 3. 154.043 SW	spital Freq lice MA	
	4. 155.220 Lo	cal	
2. Single freq			

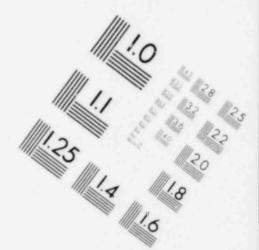
TOWN Swanzey	11.313	STATE NH	ID #
POPULATION 5000	DATE	6/5	SOURCE CDD
AREA(SQ.MI.) 82.5			
SEASONAL DEMOGRAPHIC	CS:		
ESTIMATED POPULATION	N INCRE	ASES:	
DURING MONTHS (WEEK	5) OF:_	alus keitilei	
LOCATION(S):			
TYPE:			
MUNICIPAL OFFICIALS	INTERV	IEWED:	
NAME			POSITION
Ralph Rines			Police Chief - CD Director
Henry Johnson			Fire Chief
Ed Jenks			Fire Dept.
Morgan Wright			Fire Dept.
Gerald Bell			Fire Dept.
Ed Dunham			CD Dep Director
NOTES:			
Summer Summer			
Swanzey Lake		\	
1000 Persons			The state of the s
Cheshire Fair (6 da		/August 10.000	outside 10 mile zone
		,,	
Motorcycle 15,			
PA System at F	air Grou	nds	

Full Time 0 Part Time 23 Hours of Operation On Call
Vehicles 1 Town 12 Personal Type Sedan (155.07 - County)
n-31- Factuancy link ily Alder Folice
P.A. Equipped 1+1- Personal Cars If funds avail, Equip others (155.475 State Police
Portables 4 lagers
Monitor Receivers in Officers Homes 23
Base Station Location Chief's Home
Other Dept's Monitored C.B.
Telephone Lines Chiefs Business
Hot Lines None
Auxiliary Power (Yes) (No)X
Make/Model
Type/Amount of Fuel
Any Added Capability
Portable Generators (Yes) (No)
Make/Model
Assist in Preparation of Notification Plan (Yes) (No)
NOTES

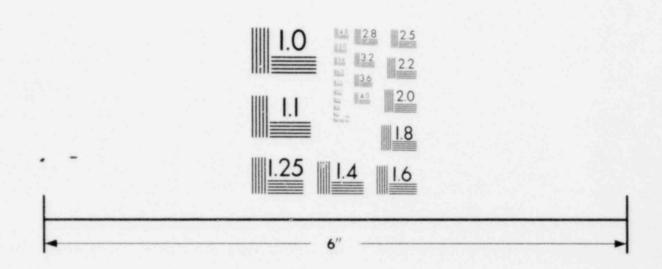
Full Time 0 Part Time 80	Hours of Operation Volunteer
	vpe Fire Fighting
Padio Equipped 12	requency 33.78 and 33.34
P.A. Equipped 8	f funds Avail, Equip others
Portables	agers
Monitor Receivers in Officers Hom	nes
Base Station Location One at each	of three stations
Other Dept's Monitored Southwester	п С.В.
Telephone Lines 352-1100	
Hot Lines	
Auxiliary Power (Yes) (No)	X
Make/Model	
Type/Amount of Fuel	
Any Added Capability	
Portable Generators (Yes) 3 (1 each	ch station()
Make/Model Unknown 5000 Watts - G	asoline 1000 Gals
inree lighting trucks	
Assist in Preparation of Notific	cation Plan (Yes)(No)
NOTES	

	Southwester and Tri State  (Yes) 3 (No)  Swanzey east - west - center
	remotely from SWMA or manually from each station
Make/Model	Inknown
Effective Range	Exceptional Day 7 miles Windy Day 9/10 of a mile
	Siren
NOTES	
Estimated 1000	monitor/receivers throughout the town.

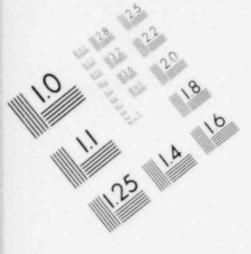


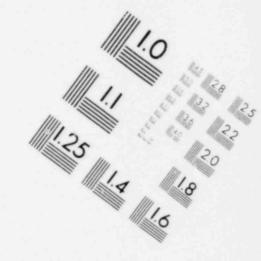


# IMAGE EVALUATION TEST TARGET (MT-3)

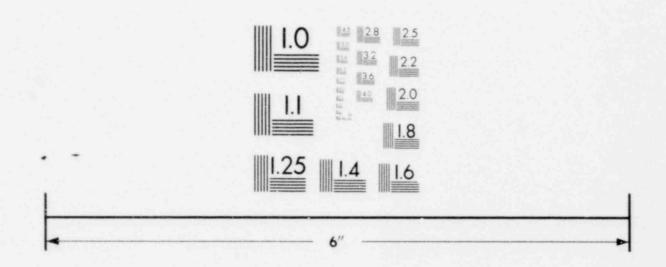


Pill GZ





# IMAGE EVALUATION TEST TARGET (MT-3)



OT MILES OF MILES OF

OIM VIM GZ.

CIVIL DEFENSE	
E.O.C. (Yes) X (N	10)
Location Town Hall Al	lternate E.O.C. Locations
Emergency Warning Devices at E	E.O.C. (Yes) (No)
Radio Capability (Yes) X	
Telephones (Yes) X	
Auxiliary Power at E.O.C. (Yes	
Make/Model	Fuel Amount
E.O.C. Manned by	
Types of Events Covered All en	mergencies
	res) X year old (No)
Types All emergencies	
NOTES	

TOWN Richmond	STATE	NH	ID #	
POPULATION 500				
AREA(SQ.MI.) 28/30	% IN EPZ: (	5MI)	(lOMI) X	Verno
SEASONAL DEMOGRAPHICS:				
ESTIMATED POPULATION I	NCREASES:			
DURING MONTHS (WEEKS)	OF: Summer			
LOCATION(S):				
TYPE: Camp Takota - YMCA -	100 youngster	rs		
Camp Wyaka			port staff	
Summer Residents app				ricity
NAME Bob Van Brocklin			POSITION And Police Chief	
Wm J. Pearsall		Rescu	e Squad.	
Fran Jillson		Fire	Dept.	
		CD Di	rector	
Bob Coy				
NOTES:				
*None of areas cited abov	e are in 10 M	Z		
Approx 6 houses - (13 peo	ple) in town	are within	1 10 MZ.	The Asia
		and the latest the same	reported with the works will	

Full Time 0 Part Time 4 Hours of Operation AS needed
Vehicles 4 personal cars Type 3 Sedans 1 pickup
Radio Equipped 4 (owned by Town) Frequency 155.07 Cheshire Couty
P.A. Equipped 0 If funds Avail, Equip others Yes
Portables 1 Not Working Pagers 0
Monitor Receivers in Officers Homes 3
Base Station Location Southwestern MA Keene
Other Dept's Monitored Two mobiles monitor 155.475 State Police Chan #2 C.B.
Telephone Lines *352-1100 (Chief's Home
Hot Lines None
Auriliary Power (Yes) (No) X
Make/Model
Type/Amount of Fuel
Any Added Capability
Portable Generators (Yes) (No)
Make/Model
Assist in Preparation of Notification Plan (Yes) X (No)
NOTES
*352-1100 Rings in SWMA Keene where calls are taken and cruisers notified
Police have an office in Town Hall

Full Time 0	Part Time 34	Hours of Operation Volunteer	
Vehicles	5	Type Fire Fighting	
Radio Equipped _	5	Frequency 154.43	
P.A. Equipped	2	If funds Avail, Equip others Yes	
		Pagers 0	
Monitor Receiver	s in Officers	Homes 12	
Base Station Loc	ation _ Fire Sta	ation	
Other Dept's Mon	itored S.W.M	. A.	С.В.
Telephone Lines	352-1100 (	SWMA-Keene)	
Hot Lines	None		
Auxiliary Power	(Yes)(N	(o) X	
Make/Model			
Type/Amount of 1			
Any Added Capab:			
Portable Genera	tors (Yes) X	(No)	
Make/Model	300 Watt Unit - Op	erates Radio and one Light	
		fication Plan (Yes) X (No)	
NOTES			
	Francis Vagazia		

## FIRE DEPARTMENT (CONTINUED)

Mutual Aid with	Southwestern Mutual Aid
Audible Devices	(Yes) X (No)
Location(s) Fire	Station
How Activated	Remotely from SWMA or Manually from Fire Station
	or box at Four Corners (center of town)
Make/Model	World War II Model/Make unknown
Effective Range	Very good day 1½ miles
Test Frequency _	Daily 11 AM Remotely from S.W.M.A.
Type of Tone	Siren (cycled 10 times for fire)
NOTES	
Rescue Squad	- 19 members - (Part of Fire Dept.)

CIVIL DEFENSE
E.O.C. (Yes) X (No)
Location <u>Fire Station</u> Alternate E.O.C. Locations
Emergency Warning Devices at E.O.C. (Yes) X (No)
Radio Capability (Yes) X Fire Dept. (No)
Telephones (Yes) *239-6076 (No)
Auxiliary Power at E.O.C. (Yes) X (No)
Make/Model See Fire Dept. Fuel Amount
E.O.C. Manned by CD and town officials
Types of Events Covered any emergency
Notification Plan in Place (Yes)Being Prepared (No)  Types
NOTES  *Rings at Fire Dept and Library.
10 KW generator obtained from Fed. excess property presently inoperable
attempting to repair inhouse.
NET+T Fairly Reliable
Radio: Few get AM - FM good Company

TV Depends on Location

Electricity: Public Service Co. of NH

OWN Bernardston		STATE	MM		_ 10 #		-
OPULATION 1800	DATE	7 /8/80		SOUR	CE		
REA(SQ.MI.)	% IN	EPZ: (5	MI)_	Х	(10MI)_	X	Vernon
EASONAL DEMOGRAPHIC	CS:		Nama				
STIMATED POPULATION	N INCRE	ASES:	None				
URING MONTHS (WEEK	S) OF:_						
OCATION(S):							
TYPE:							
		de a Tirr		11:1			
	TAIMEDU	TEWED.					
MUNICIPAL OFFICIALS	INTERV	TIEWED:			POSTTIO	N	
NAME	INTERV	TIEWED:	Po	lice Ch	POSITIO	N	
	INTERV	TIEWED:			nief		
NAME							
NAME David M. Mason			Fi	re Chie	nief		
NAME David M. Mason Eugene Dwight			Fi	re Chie	nief		
NAME David M. Mason Eugene Dwight			Fi	re Chie	nief		
NAME David M. Mason Eugene Dwight			Fi	re Chie	nief		
NAME David M. Mason Eugene Dwight			Fi	re Chie	nief		
NAME David M. Mason  Eugene Dwight  Linda Sedgwick			Fi	re Chie	nief		
NAME David M. Mason  Eugene Dwight Linda Sedgwick			Fi CD	re Chie	nief ef tor		
NAME David M. Mason  Eugene Dwight Linda Sedgwick  NOTES:  less than 5% (100) of	populat	ion within	Fi CD	re Chie	nief ef tor		
NAME David M. Mason  Eugene Dwight Linda Sedgwick  NOTES:  less than 5% (100) of Those interviewed tog	populat	ion within	Fi CD	ne Chie Direct	nief ef tor ius	dance	parce of the
NAME David M. Mason  Eugene Dwight Linda Sedgwick  NOTES:  less than 5% (100) of	populat gether wi	ion within	CD CD	ne Chie Direct	ius in attended that the	dance	overnmen

Full Time1 Part Time 8	Hours of Operation 24 hours
Vehicles 1 Ty	pe Sedan Franklin County
nadia naminad Y	equency 39.16 39.24
P A Fouipped X If	funds Avail, Equip others
Portables 3 Pa	6-7
Monitor Receivers in Officers Home	S
Base Station Location Town Hall and	Dispatcher Greenfield
Other Dept's Monitored SO Windham	Co MA State Police Chan. 9 and 19 C.B.
Telephone Lines Office and Dispatch	
Hot Lines None	
Auxiliary Power (Yes) (No)	X
Make/Model	
Type/Amount of Fuel	
Any Added Capability	
Portable Cenerators (Yes)	(No)
Make/Model	
Assist in Preparation of Notifica	tion Plan (Yas) (No) X
NOTES	
	the first term of the first te

Full Time 0 Part Time	6 Hours of Operation Volunteer
Vehicles 5	Type 2 Pumpers: 2 Brush Trk: 1 Four Wheel Uti
Radio Equipped3	Frequency 33.54 and 33.46
P.A. Equipped 2	If funds Avail, Equip others Yes all 5
Portables 2	Pagers 12
Monitor Receivers in Officers B	iomes 3/4
Base Station Location Church	St.
Other Dept's Monitored Tri St	ate C.B.
Telephone Lines Privat	e 648-9444 Emergency
Hot Lines No	
Auxiliary Power (Yes) (No	· ·
Make/Model	
Type/Amount of Fuel	
Any Added Capability	
Portable Generators (Yes) 2	(No)
Make/Model 5KW Make/Model Cont	inental 2AO 16-2
	ication Plan (Yes) (No)
NOTES	
Red Phone's 8 Fire Sta (store) me:	mbers houses. Manual Pyramid Telephone
system - New system will provide	activating tone from all phones.

## FIRE DEPARTMENT (CONTINUED) Mutual Aid with Tri State Audible Devices (Yes) X (No) Location(s) Town Hall How Activated \_\_\_\_ Button Fire Sta and Streets Store -Make/Model Sterling Effective Range Good Day & town, about 60% of people Test Frequency Once a week 12N Saturday Type of Tone Siren NOTES TV/Radio Good NET+T Reliable Elec Hest MA

CIVIL DEFENSE				
E.O.C. (Yes)X				
Location Town Hall	Alternate E.O.	C. Locat	tions _	
Emergency Warning Devices at				X
Radio Capability (Yes) X Ha	m Radio (No)			
Telephones (Yes) X	(No)			
Auxiliary Power at E.O.C. (	(es)	(No)	X	
Make/Model	Fuel		Amount	
E.O.C. Manned by Selected	Town Officials			
Types of Events Covered Notification Plan in Place	(Yes) X	(No)		
Types				
NOTES				
	NOW 1			
		11 may 1 m		
				and the state of

TOWN Leyden		STATE MA	ID #	
POPULATION 550	DATE	8/5/80	SOURCE	
AREA(SQ.MI.)				
SEASONAL DEMOGRAPHI	cs:			
ESTIMATED FABULATIO	N INCRE	ASES:		
DURING MONTHS (WEEK	s) oF:_	Summer		
LOCATION(S):				
TYPE: Camp	Lion-Knol	1 25 youngster	rs during day	
			14, 14, 14 I. 14 T.	
MUNICIPAL OFFICIALS	INTERV	IEWED:		
NAME			POSITION	Divector
Ronald L. Barton			Fire Chief and G.D	. Director
NOTES:				
a military and the second				
	-			

Full Time 0 Part Time 3 Hours of Operation AS Needed  Vehicles 3 (Personal Vehicles) Type  Radio Equipped 3 Frequency 39.16 Franklin County Police  P.A. Equipped 2 If funds Avail, Equip others Yes  Portables 2 Pagers 0  Monitor Receivers in Officers Homes 0  Base Station Location Chief's Home
Radio Equipped 3 Frequency 39.16 Franklin County Police P.A. Equipped 2 If funds Avail, Equip others Yes Portables 2 Pagers 0  Monitor Receivers in Officers Homes 0  Base Station Location Chief's Home
Portables 2 Pagers 0  Monitor Receivers in Officers Homes 0  Base Station Location Chief's Home
Portables 2 Pagers 0  Monitor Receivers in Officers Homes 0  Base Station Location Chief's Home
Base Station Location Chief's Home
] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [
Other Dept's Monitored Franklin County C.
Telephone Lines
Hot Lines No
Auxiliary Power (Yes) (No)X
Make/Model
Type/Amount of Fuel
Any Added Capability
Portable Generators (Yes) (No)
Make/Model
Assist in Preparation of Notification Plan (Yes) X (No)
NOTES
* Blue Phone let - Rings in all officer's homes

Full Time 0 Part Time 20 Hours of Operation Volunteer
Vehicles 4 Type Fire Fighting
Radio Equipped 4 Frequency 33.54 Tri State
P.A. Equipped 2 If funds Avail, Equip others Yes
Portables 2 CB Chan #3 Pagers None
Monitor Receivers in Officers Homes None
Base Station Location None
Other Dept's Monitored Tri State C.B.
Telephone Lines
Hot Lines .No
Auxiliary Power (Yes) (No) X
Make/Model
Type/Amount of Fuel
Any Added Capability
Portable Generators (Yes) X (No)
Make/Model Homelite - Gasoline - Unkn Wattage - Will operate couple of lights at Fire Station
Assist in Preparation of Notification Plan (Yes) (No)
NOTES
* Red Phone system - Chiefs Home and Garage Business - Country
Store - and Deputy Chief's Home (4). Fire fighters are then alerted by a second
telephone call from a pyramid system. Siren is manually activated from the
Fire Station.

## FIRE DEPARTMENT (CONTINUED)

Mutual Aid with In			
Audible Devices (Ye	* X	(No)	
Location(s) Fire	Station		
How Activated Man	ually		
Make/Model Quite			
Effective Range	Good Day 1 mile at	most	
Test Frequency Type of Tone			
NOTES  Estimated only 5% of	town covered by S	iren. using PA Syst	em - Telephone
and door to door 50%	of population coul	d be notified in 1	5 minutes.
		ALLES AND	

CTVIL DEFENSE	
.o.c. (Yes) X	(No)
ocation Town Hall	Alternate E.O.C. Locations
mergency Warning Devices	at E.O.C. (Yes) (No) X
Radio Capability (Yes)	(No) <u>X</u>
Telephones (Yes) 774-4111	(No)
Auxiliary Power at E.O.C.	(Yes) (No) X
Make/Model	Fuel Amount
	(Yes) X (No)
Types	
NOTES	
NET+T Reliable	
Electric Western MA Electric	
Radio WHAI AM Poor - FM Good	
TV Springfield - Harford Chan	#3 cnew #1 / /

TOWN	Northfield	STATE_	MA ID #	
POPULA	ATION 2400	DATE 6/16/80	SOURCE	
AREA (	5Q.MI.) 40.32 67 mile	% IN EPZ: (5)	MI) (10MI)	Vernon
	NAL DEMOGRAPHIC			
I.OCAT	ION(S): E North Northeast utilit	nfield "The Ridge" 1200 - 150 ties skiing Winter	70 summer cottages 150 0 People - Hiking Summer	people
			r VT Line)	
	Gamp Hot Sitt 1919			
-				
MUNI	CIPAL OFFICIALS	INTERVIEWED:		
	NAME		POSITION	
Da	vid Mroczek		CD Director	
			Fire Chief	
	THE PARTY OF			
-				
		-		
_				
NOTE	ss:			
NOTE	es:			
NOTE	:s:			

Full Time 1 Part Time 10 Hours of Operation 8/10 hrs on duty
Vehicles 2 Type 1 Sedan 1 3/4 ton pick up
Radio Equipped yes Frequency 39.16 Franklin Co
P.A. Equipped 1 If funds Fyail Equip others Yes
Portables Pagers 0
Monitor Receivers in Officers Homes 2
Base Station Location Police Dept.
Other Dept's Monitored Franklin County Net C.B
Telephone Lines One
Hot Lines Fire Net
Auxiliary Power (Yes) (No) X
Make/Model
Type/Amount of Fuel
Any Added Capability
Portable Generators (Yes) (No)
Make/Model
Assist in Preparation of Notification Plan (Yes) (No)
NOTES
Answering Service Greenfield (Crockers Answering Service)
Station manned 8-4P Mon thru Fri.

Full Time 0 Pa	rt Time 26	Hours	of Oper	ation		
Vehicles 4		Type Fire	Apparatu	s		
Radio Equipped Ye	es	Frequency	33.54 (	Tri State)		
P.A. Equipped 2		If funds A	Avail, E	quip oth	ers Yes	
Portables 4		Pagers	12			
Monitor Receivers in	officers Ho	mes 25	-			
Base Station Location	onFire Hd	qts				Yas
Other Dept's Monitor	redTri State					c'es.
Telephone Lines 2						
Hot Lines 0						
Auxiliary Power (Yes	s) (No)	X				
Make/Model						
Type/Amount of Fuel						
Any Added Capabilit						
Portable Generators		(No	)		-	
Make/Model 2.5M65	Kohler					
Assist in Preparati	on of Notific	cation Pla	n (Yes)	X	(No) _	A Calendaria
NOTES						
3 Personal vehicles	radio equipped	4,444	angert			
Auxiliary Generator	r on truck used	to power rad	io in sta	tion		

# FIRE DEP! RTMENT (CONTINUED)

Mutual Aid with Tri State - Assoc Member So Wester MA
Audible Devices (Yes) X (No)  Location(s) Fire Station
How Activated
Make/Model Sterling Siren
Effective Range 1 Mile
Test Frequency Twice A year
Type of Tone Siren Activated from station
NOTES  Red Phone Network at 7 locations town and fire personnel
Base sta. in three houses - pyramid phone alerting
WHAI Greenfield - Reception Good
NET+T Phone service excellent

CIVIL DEFENSE					
E.O.C. (Yes)	_ (No)	Х			
Location	_ Alter	nate E.O	.C. Loca	tions	
Emergency Warning Devices	at E.O.	C. (Yes)		(No) _	X
Radio Capability (Yes)		(No) _	X		
Telephones (Yes)					
Auxiliary Power at E.O.C.	(Yes)		(No) X		
Make/Model		Fue	1	Amount	
E.O.C. Manned by CDD - Re					
		. 11			
Types of Events Covered		ncidents -	Other eme	rgencies	
Notification Plan in Plac	e (Yes)	Х	(No)		
Types					
Types					
NOTES					
Plans - lower level of Town	Hall, pr	obably to	fall.		
Present Notification Plan	Fire Sig	nal and PA	on		
Police/Fire vehicles. Pres	ent Plan	current as	of April.	artigates	
					Available to

OWN Colrain STATE	MA ID #
OPULATION 1500 DATE 7/31/80	SOURCE CD Director
REA(SQ.MI.) 10 % IN EPZ: (5M	(10MI) X Vernon Rowe
EASONAL DEMOGRAPHICS:	one (in 10M zone)
STIMATED POPULATION INCREASES: NO	
URING MONTHS (WEEKS) OF:	
OCATION(S):	
YPE:	
MUNICIPAL OFFICIALS INTERVIEWED:	
NAME	POSITION
James Sturgeon	CD Director
Gerald Streeter	Fire Dispatcher
NOTES:	
Approx 100 people in each 10 MZ of Rowe	and Vernon West (Rowe) Notification
thru F.D. via phone if no answer then do	
East (Vernon) Notification thru Police C	
CD Director states "not likely" all coul	d be notifed within 15 minutes - als

alite:

Full Time 0 Part Time		10000
Vehicles 1 town 3 Private	20.16	
Radio Equipped		
P.A. Equipped	If funds Avail, Equip othe	rs
Portables	Pagers	
Monitor Receivers in Officers		
Base Station Location Chief'	s Home	
Other Dept's Monitored Frank!	in County Police Radio	С.В.
Telephone Lines		
Hot Lines None		
Auxiliary Power (Yes) (1		
Make/Model		
Type/Amount of Fuel		
Any Added Capability		
Portable Generators (Yes)		
Make/Model		
Assist in Preparation of Noti	fication Plan (Yes)	(No)
NOTES		
		S. S. Der St. Mark Dev. P. C. St.

Full Time 0 Part Ti	me 25 Hours of Operation Volunteer
Vehicles 4 (6 Private Vehicles)	es with Type 3 Fire 1 Ambulance
	Frequency 33.54
	If funds Avail, Equip others
Portables 2	Pagers 1
	icers Ecmes 16
Base Station Location 3	Fire Station - Chiefs Home - Streeters Texaco Station Franklin County Police
Other Dept's Monitored Gr	reenfield Fire and Police - Carte Police C.B.
Telephone Lines	Red phone system)
Hot Lines None	
Auxiliary Power (Yes)	X (No)
Make/Model Unknown	
Type/Amount of Fuel Gas	soline - Provides Lights/Radio Heat
Any Added Capability	
Portable Generators (Yes	i)1 (No)
Make/Model Truck mounter	d capable of 110V + 220V
Assist in Preparation of	Notification Plan (Yes) X (No)
NOTES	
Red phone system - Phone r	rings at ten locations - First answered at Streeter's
Texaco - Using encoder ope	ens receivers - sends message and blows both sirens.
Kendall Mfg. Co has receiv	ver in maintenance division where 5 firemen are
employed who also respond	

# FIRE DEPARTMENT (CONTINUED)

Mutual Aid with _Tri State
Audible Devices (Yes) (No)
Location(s) 1 Fire Station
2 Streeter's Texaco Station
How Activated Both by tone or manually
Make/Model Usknown
Effective Range Both - Good Day 5 miles
Test Frequency Every Sat at noon
Type of Tone Siren
NOTES  Kendall Mfg. Co has their own fire dept truck and internal alarm -
Company permits response to town needs.
Ambulance Sqd 12 Emerg. Med Technicians have their own distinct ton
alert.

CIVIL DEFENSE
E.O.C. (Yes) X (No)
Location Fire Station Alternate E.O.C. Locations
Emergency Warning Devices at E.O.C. (Yes) (No)
Radio Capability (Yes) X Tri State (No)
Telephones (Yes) X (No)
Auxiliary Power at E.O.C. (Yes) X (No)
Make/Model See Fire Dept. Fuel Amount
E.O.C. Manned by Town Officials and Dept Heads
Types of Events Covered All emergencies
Notification Plan in Place (Yes) X (No)
Types All emergencies
NOTES
Radio Good(WHAI lowers power in evening)
TV Good Cable available
Phone NET+T Excellent
Electric Western MA Electric

rown Gill STATE	MA ID #	
POPULATION 1276 DATE		
AREA(SQ.MI.) % IN EPZ: (5N 34 miles of road	4I) (10MI) X	Verno
SEASONAL DEMOGRAPHICS:		
ESTIMATED POPULATION INCREASES:		
DURING MONTHS (WEEKS) OF:		
LOCATION(S): Mt. Hermon School - 550		
TYPE: Summer School - 250		
MUNICIPAL OFFICIALS INTERVIEWED:		
	POSITION	
NAME	Chief of Police	
Edward Smith	Dep CDD	
John Greene	Chief Fire Dept.	-
George E. Hastings Jr.	Cities wife dept.	
NOTES:		
	Constitution of the Marian	
		1,-1

Full Time 0 Part Time 8 Hours of Operation on call
Vehicles Personal 9 Type Sedans 33.19 & 39.24
Radio Equipped Porta mobile) Frequency Franklin County
P.A. Equipped 2 If funds Avail, Equip others Yes
Portables See above Pagers 0
Monitor Receivers in Officers Homes Yes - Personally owned
Base Station Location 103 Mountain Rd. Gill, MA
Other Dept's Monitored Franklin County C.B.
Telephone Lines 1
Hot Lines
Auxiliary Power (Yes) (No) _X
Make/Model
Type/Amount of Fuel
Any Added Capability
Portable Generators (Yes) (No)
Make/Model
Assist in Preparation of Notification Plan (Yes) (No)
NOTES

Full Time 0 Part Time 22 Hours of Operation Call
Vehicles 4 (+3 private) Type 3 Fire 1 CD
Radio Equipped 4 Frequency 33.54 Tri State
P.A. Equipped 4 If funds Avail, Equip others
Portables 1 Pagers 3 (privately owned)
Monitor Receivers in Officers Homes 4 town owned (most have them)
Base Station Location Fire Station
Other Dept's Monitored County Police - State Police Western Ma Elec Ne.B.
Telephone Lines 2
Hot Lines Red phones
Auxiliary Power (Yes) X (No)
Make/Model 3.5KW MAke Unkn
Type/Amount of Fuel LP Gas - 2 100 lb cylinders
lights radios
Any Added Capability carried in pumper  Portable Generators (Yes) (No)
Make/Model 2.5KW Make Unkn
Assist in Preparation of Notification Plan (Yes) X (No)
NOTES

FIRE DEPARTMENT (C	ONTINUED
Mutual Aid with T	ri State
Audible Devices (Y	(No)
Location(s) Fir	e Station
How Activated A	t Stations or any red phone location
	ctivated also by Turners Falls FD
Make/Model F	ederal (omni directional) less than 5 yrs. old
Effective Range _	3 miles good job - West Gill and Rte 2 area poor
Test Frequency	Every Sat 12:30 P
	Siren (single Signal on 2 min cycle) if held onto would change
NOTES	Towns Table FD
	s Home-Ret Chief Kozik - Turners Falls FD  w Radiator Rte. 2 - Fire Station

CIVIL DEFENSE
E.O.C. (Yes) X (No)
Location Fire Station Alternate E.O.C. Locations
Emergency Warning Devices at E.O.C. (Yes) X (No)
Radio Capability (Yes) X 33.54 (No)
Telephones (Yes) 2 - FD Red Phone 863-2(No)
Auxiliary Power at E.O.C. (Yes) X (No)
Make/Model See FD Fuel LP Gas Amount 2 1001b tanks
E.O.C. Manned by CDD/Fire Dept
Types of Events Covered Enemy Attack/Nuclear - Natural Disaster
Notification Plan in Place (Yes) X (No)  Types Telephone - FD backup - Police Radio
NOTES
Sireen at FD covers 80/90% of town - New 3/4 yrs old. Plan to notify every
street via CD - Fire - Police Vehicles with PA Systems. Phone notification
for shut-in, bedridden, etc. thru health dept. CD has own vehicle converted
ambulance with FD radio.
Electric Company Western MA Elec Scanner - Franklin Co. Police Phone NET - NET+T State Police Radio WHAI Hsp Freq.

The second secon	211	****	ID #	-
			SOURCE	
REA(SQ.MI.) 48	% IN EP	z: (SMI)	(10MI) X	/ernon
EASONAL DEMOGRAPHIC	S:			
		S:		
DURING MONTHS (WEEKS	) OF:			
LOCATION(S): Spofford	Lake - Sum	ner - 2500	(400+ Cottages)	
YPE:				
MUNICIPAL OFFICIALS	INTERVIEW	ED:		
NAME			POSITION	
Antonio Souza			Chairman Board of Selectm	an
Winston Cray			Member Board of Selectman	
Donald Emery			Member Board of Selectman	
	CONTRACTOR OF THE PARTY OF THE		Fire Chief West Chesterfi	
Wayne Winn			Fire Chief hest chester in	eld
Wayne Winn Winston Cray			Fire Chief Chesterfield	eld
		= =		eld
Winston Cray			Fire Chief Chesterfield	
Winston Cray Warren G. Allen Alvin Davis			Fire Chief Chesterfield Fire Chief Spofford	
Winston Cray Warren G. Allen			Fire Chief Chesterfield Fire Chief Spofford	
Winston Cray Warren G. Allen Alvin Davis			Fire Chief Chesterfield Fire Chief Spofford	
Winston Cray Warren G. Allen Alvin Davis			Fire Chief Chesterfield Fire Chief Spofford	
Winston Cray Warren G. Allen Alvin Davis			Fire Chief Chesterfield Fire Chief Spofford	

Full Time 2 Part Time	0 Hours of Operation 24 hr coverage
	Type Sedan/ 2 sta. wons,
Radio Equipped 4	Frequency 4 channel 156,09 SP Chan 1
P.A. Equipped 1	If funds Avail, Equip others
Portables 1	Pagers 1
Monitor Receivers in Office	ers Homes 1
Base Station LocationK	eene
Other Dept's Monitored	С.В.
Telephone Lines3	63-4624
Hot Lines	
Auxiliary Power (Yes)	(No) X
Make/Model	
Type/Amount of Fuel	
Any Added Capability	
Portable Generators (Yes)	(No)
Make/Model	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE
Assist in Preparation of N	Notification Plan (Yes) (No)
NOTES	

Chesterfield W. Chesterfield Spofford

Full Time 0/0/0 Part Time 25/23/23 Hours or Operation Carrycarry
Vehicles 2/3/3 Type FV/FV 2 trks 1 Rescue
Radio Equipped 2/3/3 Frequency 1 / Same/ SHMA
P.A. Equipped0/0/1 If funds Avail, Equip others 2/3/2
Portables 0/3/3 Pagers 0/0/1
Monitor Receivers in Officers Homes 12/23/23  Base Station Location FS/FS/FS
Other Dept's Monitored SWMA/Tri State/SWMA C.B.
Telephone Lines O Keene/ One Unpub Keene/Keene
Hot Lines 0/0/0
Auxiliary Power (Yes) (No) X/X/X
Make/Model
Type/Amount of Fuel
Any Added Capability 1. Onan 2500
Portable Generators (Yes) 2. Truck Unkn 1500 Watts
Make/Model
Assist in Preparation of Notification Plan (Yes) (No)
NOTES
1. light lights - won't blow siren.
2. Portable Fire/Rescue /Town Police (1 Vehicle has portable)
2. Gen on Trk cannot be used to light lights
3. Port Gen wired in lights and Radio No Whistle
3. Rescue trk 4 freq Hosp/Police/SHMA/Road Agent (DPU).
155.22 155.07 154.43 155.085 154.48

Chesterfield W. Chesterfield Spofford

utual Aid with	SWMA	SWMA	SMHA	harman da
ocation(s)	(Yes) X	, v	(No)	
low Activated	Remote Keene and Station	Same	Same	
Make/Model	Federal 5 HP	Antique	Antique	
Effective Range	2 miles GD 1/4 mile W	est Wind	1/2 mile GD	1 mile 1/2 mile bad weath
Test Frequency	Every Sat 12:45	Every 12 Noo		Sat 11:58
W	Siren min Cycle ailing times 2 mins	SAME		SAME
Comment concur	red in by all	- on a good da	ay if all sirer	ns were activated
together 80%	of the people	wouldn't hear	them - on a ba	d day (wind/rain/rain/
	wouldn't hear	tham		

CIVIL DEFE	NSE			
E.O.C. (Ye	s) X (2	No)		W. Chest FS
Location _	Chesterfield FS A:	lternate E.C	C. Locatio	ons Spofford FS
Emergency	Warning Devices at I	E.O.C. (Yes)	X	No)
Radio Capa	bility (Yes) Fire Sta	(No) _		
Telephones	(Yes)	(No)	S	
Auxiliary	Power at E.O.C. (Yes	s) See Fire	(No)	
Make/Model	and the same of the same of	Fue	elAr	noun:
E.O.C. Man	nned by Chm. Bd of	f Selectmen and	d Town Officia	1s
	أحوالة سندسي يرينيون			
	Events Covered Any			
	ion Plan in Place (Y			
Types	Will be included in	plan		
NOTES				
			an-order transcript	
				side and the same

	STATE	MA ID #
		SOURCE
		(10MI) X Vernon
EASONAL DEMOGRAPHICS	:	
STIMATED POPULATION	INCREASES:	50
OURING MONTHS (WEEKS)	OF:	
OCATION(S): Summer H	omes and Camps	y . 184 - 194
TYPE:		
MUNICIPAL OFFICIALS :	INTERVIEWED:	
NAME		POSITION
Arland (George) Day, Jr.		CD Director and Fire Chief
*Robert Kolka		Police Chief 544-2244 Office
		-
A STATE OF THE PARTY OF THE PAR		
	-	
· · · · · · · · · · · · · · · · · · ·		
NOTES:		
	10 MZ (26, year rou	und)
Thirty-two homes within		
Thirty-two homes within CD has surveyed area an		umbers
	d have all phone nu	

<sup>\*</sup>Not interviewed - data obtained from Mr. Day (Former Police Officer) familiar with PD capability as CD Director.

Full Time _ 0 Part Time _ 4 Hours of Operation As required
Vehicles 1 Type Sedan
Radio Equipped 1 Frequency 39.16 Franklin Cty Police
Radio Equipped - Frequency
P.A. Equipped 1 If funds Avail, Equip others
Portables 2 Pagers 0
Monitor Receivers in Officers Homes 0
Base Station Location Chief's Home
Other Dept's Monitored Fire Dept - State Police - Orange Police 39.22 C.B.
Telephone Lines (Blue Phone System)
Hot Lines No
Auxiliary Power (Yes) (No) _X
Make/Model
Type/Amount of Fuel
Any Added Capability
Portable Generators (Yes) (No)
Make/Model
Assist in Preparation of Notification Plan (Yes) X (No)-
NOTES
* Blue Phone System - Phone rings in all four officers homes.

		-	-	m	-	-	-		C WA	3.7	777
FI	K.E.	U	L	2	20	м	+	Ē,	Œ	.,	*

Pull Time O Part Time 20	Active Hours of Operation Volunteer
	Typefire
	Frequenc · Tri State
P.A. Equipped 1	If funds Avail, Equip others Yes Pagers 10
Monitor Receivers in Officers Base Station Location Fire St	Homes 10 have personal monitors
Other Dent's Monitored	ri State C.B.
Telephone Lines None	4 Fireman's Homes - 1 Fire Sta 1 Orange FS
Auxiliary Power (Yes) (New Make/Model Type/Amount of Fuel Any Added Capability	
Portable Generators (Yes)  Make/Model 3300W Homelite - (	1 (No)
NOTES	can key audible alarm with button on phone -
the Chief and Orange Fire	Dept. can send tone for pagers:

CIVIL DEFENSE
E.O.C. (Yes) X (No)
Location Fire Station Alternate E.O.C. Locations
Emergency Warning Devices at E.O.C. (Yes) x (No)
Radio Capability (Yes) X Fire Radio (No)
Telephones (Yes)
Auxiliary Power at E.O.C. (Yes) X (No)
Make/Model Fire Station Fuel Amount
E.O.C. Manned by Town Officials
Types of Events Covered Any emergency
Notification Plan in Place (Yes) X (No)
Types All emergency's including nuclear.
NOTES

TOWN	Greenfield		STATE	MA	#	
POPULAT	ION 18500	DATE	6/11/80	so	URCE	
AREA (SQ	(.MI.) 23	% IN	EPZ: (5)	MI)	(10MI) X	Vernon
SEASONA	L DEMOGRAPHIC	S:				
ESTIMAT	ED POPULATION	INCRE	ASES: Non	e		
DURING	MONTHS (WEEKS	OF:_				
LOCATIO	ON(S):		e Jede Leite II	10.00		
TYPE:_						
				الله وي		
MIDITATE	PAL OFFICIALS	TNTERU	TEWED:			
MUNICIE		114 1 may 4	12,123,		POSITION	
	NAME					
	yman				re Chief	_
	s Sedgwick				Director	
Stanley	v Kaczenski			Police	Chief	
NOTES:						
		1				
			stategic officials.			
-						

Full Time 34 Part Time 4 Hours of Operation 24
Vehicles 7 Type Sedans
Soio Equipped All Frequency 156.33 Mhz
P.A. Equipped 4 If funds Avail, Equip others Yes
Portables 2 Pagers 0
Monitor Receivers in Officers Homes 0
Base Station Location Police Station
Other Dept's Monitored Franklin County Regional System Yes C.B.
Telephone Lines 4
Hot Lines0
Auxiliary Power (Yes) X (No)
Make/Model 5KW Make Unknown
Type/Amount of Fuel Gascline Four Gals.
Any Added Capability No - Runs Lights and Radios
Portable Generators (Yes) No (No)
Make/Model
Assist in Preparation of Notification Plan (Yes) (No)
NOTES

Full Time 32 Part Time 35 Ho	urs of Operation 24
Vehicles 9 Type _	
Radio Equipped 9 Freque	ncy33.70 (33.54 Tri State)
P.A. Equipped 5 If fun	ds Avail, Equip others Yes
Portables 5 Pagers	20 (call firemen)
Monitor Receivers in Officers Homes	35 (Call firemen)
At Station (412 Mai	n St)
Other Dept's Monitored Tri State - Frank!	in County Police Radio 39.16 + 39.24
Telephone Lines 4	and Sowestern MA
Hot Lines 0	
Auxiliary Power (Yes) X (No)	
Make/Model Kohler 10 KVA	
Type/Amount of Fuel 500 Gal LP Gas	
Any Added Capability	
Portable Generators (Yes) X  3.5 Ladder Truck/3.0 Resue Truck	(No)  k/10KW Trailer Mounted
Make/Model 2.5 on Vehicle M-6	
Assist in Preparation of Notification	Plan=(Yes) (No)
NOTES	
The tranmitter for the Tri State system is	located on Shelburne Mountain -
the location is equipped with an instant on	Generator
Greenfield Fire Dept is the Dispatch Center	for Tri-State

## FIRE DEPARTMENT (CONTINUED)

Mutual Aid with	Tri State Mutual Aid
Audible Devices	(Yes) X 2 (No)
Location(s) 1	. Air Horns at Fire Hdqts.
2	2. Brookside Station
How Activated	1. Manually at Fire Station
1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	2. Same as above and remotely from Fire Station
Make/Model Not K	(nown
Effective Range	1.
and the second second	2. Seven miles
Test Frequency _	Every Saturday
Type of Tone	Air Horn at Fire Station
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Siren at Brookside
NOTES	
Brookside Fire Stat	tion is located about & mile outside the 10 mile radius
Manned by volunteer activated from the	rs - There is a 2 HP siren at the station it can be station or from Fire Hqts. and it was stated could be
minute solid signal	nile radius: It is tested every Saturday. Ther is no the station. Three Minute waiting for fire - 2 I for incident at Vernon. Signal may not reach Route
#2 G111.	

IVIL DEFENSE	
.O.C. (Yes) X (No)	
ocation Fire Hdqts Basement Alter	enate E.O.C. Locations Police Station
	.C. (Yes) X (No)
adio Capability (Yes) * X	(No)
elephones (Yes)	(No)
uxiliary Power at E.O.C. (Yes)	X (No)
ake/ModelFire Dept's	FueitP Gas Amount 500 Gals
.o.c. Manned by CDD - Town Off	ficials - Dept Head
Notification Plan in Place (Yes) TypesAll	X (No)
NOTES *Direct radio contact with MCDA Region	IV Belchertown. Two and Six meter
radio provides communication with surro	unding towns. Twenty three channel
CB T/R.	
CD has organized Crossroad CB Club (36	members) and Greenfield 4 wheel drive
club for door to door notification of	all residents within 10 MZ.

#### APPENDIX B

TOWN Rowe STATE	EMAID #
POPULATION 340 DATE 8/12/	80 SOURCE
AREA(SQ.MI.) % IN EPZ:	(5MI) X (10MI)
SEASONAL DEMOGRAPHICS:	
ESTIMATED POPULATION INCREASES:	
DURING MONTHS (WEEKS) OF:Sun	mmer
LOCATION(S):	
TYPE: Rowe Unitarian Camp 50 Aten	dees
Summer Residents 25% over year	ar round
Pelham Lake Park (Beach) Res	idents - Guests
MUNICIPAL OFFICIALS INTERVIEWED	):
NAME	POSITION
Efford "Bud" Perce	CD Director
Jim Staub	Asst. Fire Chief
Henry Dandeneau	Police Chief
***************************************	
NOTES:	
Town - PWD - Bob Boulay has data.	Citatian Citizen

Full Time 0 Part Time 5 Hours of Operation As Required
Vehicles 1 (personal) Type 4 wheel dr jeep
Radio Equipped 1 Frequency 39.16 Franklin County
P.A. Equipped 1 If funds Avail, Equip others
Fortables 3 Pagers 0
Monitor Receivers in Officers Homes 2 Fire Dept.
Base Station Location Town Hall
Other Dept's Monitored State Police/Greenfield/Rowe FD C.B.
Telephone Lines *
Hot Lines No
Auxiliary Power (Yes) (No) _X
Make/Model
Type/Amount of Fuel
Any Added Capability
Portable Generators (Yes) (No)X
Make/Model
Assist in Preparation of Notification Plan (Yes) X (No)
NOTES
*Chief's Home

Full Time 0 Part Time 27 Hours of Operation Volunteers
Vehicles 2-2-2 Type 2 Fire Fighting - 2 Town Vehicles - 2 Per
Radio Equipped 6 Frequency 33.54 (T.S.) (1 Trk has D.V.M.A.
P.A. Equipped 2 Fire Trks If funds Avail, Equip others Yes 154.01)
Portables 4 1 Deerfield Valley Pagers 0
Monitor Receivers in Officers Homes 24
Base Station Location Fire Station
Other Dept's Monitored Tri State and Deefield Valley C.B.
Telephone Lines */
Hot Lines None
Auxiliary Power (Yes) (No) _X
Make/Model
Type/Amount of Fuel
Any Added Capability
Portable Generators (Yes) X (No)
Make/Model Winco 3200 Watts - Gasoline
Lights in 2nd flr and Radio equip
Assist in Preparation of Notification Plan (Yes) X (No)
NOTES
* Red Phone System (6) 5 Residential Homes and Fire Station.
Nicad Battery power supply 8 hrs. receive, undetermined on transmit.

Mutual Aid with	Tri State and Deefield Valley
Audible Devices	(Yes) X (No)
Location(s) F	ire Station
How Activated _	Manually from F.S.
Make/Model	Federal STH-110
·	115 DB
Effective Range	One Mile
Test Frequency	Daily at Noon Except Sunday
Type of Tone	Siren
NOTES	
NET+T - Reliable	
Radio - Valley's	Poor - Upper Section Good
TV - Sames as Rac	iio
Elec - MA Elec	

Very small % (1 or 2) of yr round homes do not have phones 101 homes in town - 13 public bldg., churchs 99.9% have electricity.

CIVIL DEFENSE				
.o.c. (Yes) Town				
ocation	" Alter	nate E.O.C. Lo	ocations Fi	re Sta
mergency Warning I	Devices at E.O.	C. (Yes) x Fire	Sta (No) X	Town Hall
and the same of the same of the		(No)		
adio Capability (				
elephones (Yes)	X	(No)		
uxiliary Power at	E.O.C. (Yes)	(No	) <u>X</u>	
Make/Model		Fuel	Amount	
.O.C. Manned by _				
Notification Plan Types All Emerg				
NOTES				
Siren - Telephone - I	House to House - L	estron - PA Syste	em. Telephone	
system of notification	n - Sectors using	red phone system	is.	

EASONAL DEMOGRAPHICS: STIMATED POPULATION INCREASES: URING MONTHS (WEEKS) OF: CCATION(S): TYPE: 5 Summer Houses  MUNICIPAL OFFICIALS INTERVIEWED: NAME POSITION Alfred Tassardi Fire Chief and Police Officer Anthony Buckingham CD Director				_ ID #	
STIMATED POPULATION INCREASES:  URING MONTHS (WEEKS) OF:  OCATION(S):  TYPE: 5 Summer Houses  MUNICIPAL OFFICIALS INTERVIEWED:  NAME  Alfred Tassardi  Anthony Buckingham  CD Director		TE 8/1	2/80 SOUT	RCE	
STIMATED POPULATION INCREASES:  URING MONTHS (WEEKS) OF:  OCATION(S):  TYPE: 5 Summer Houses  AUNICIPAL OFFICIALS INTERVIEWED:  NAME  Alfred Tassardi  Anthony Buckingham  CD Director	REA(SQ.MI.)	IN EPZ: (	5MI) X	(10MI)	Rowe
STIMATED POPULATION INCREASES:  URING MONTHS (WEEKS) OF:  OCATION(S):  TYPE: 5 Summer Houses  AUNICIPAL OFFICIALS INTERVIEWED:  NAME  Alfred Tassardi  Anthony Buckingham  CD Director					
URING MONTHS (WEEKS) OF:  OCATION(S):  TYPE: 5 Summer Houses  MUNICIPAL OFFICIALS INTERVIEWED:  NAME POSITION  Alfred Tassardi Fire Chief and Police Officer  Anthony Buckingham CD Director	EASONAL DEMOGRAPHICS:				
AUNICIPAL OFFICIALS INTERVIEWED:  NAME  Alfred Tassardi  Anthony Buckingham  CD Director	STIMATED POPULATION INC	REASES:			
MUNICIPAL OFFICIALS INTERVIEWED:  NAME  Alfred Tassardi  Anthony Buckingham  CD Director	OURING MONTHS (WEEKS) OF	7:			
MUNICIPAL OFFICIALS INTERVIEWED:  NAME  Alfred Tassardi  Anthony Buckingham  CD Director	LOCATION(S):				
MUNICIPAL OFFICIALS INTERVIEWED:  NAME  Alfred Tassardi  Anthony Buckingham  CD Director	TYPE: 5 Summer Houses				
NAME POSITION  Alfred Tassardi Fire Chief and Police Officer  Anthony Buckingham CD Director					
NAME POSITION  Alfred Tassardi Fire Chief and Police Officer  Anthony Buckingham CD Director					
NAME POSITION  Alfred Tassardi Fire Chief and Police Officer  Anthony Buckingham CD Director					
Alfred Tassardi Fire Chief and Police Officer  Anthony Buckingham CD Director	MUNICIPAL OFFICIALS INT	ERVIEWED:			
Anthony Buckingham CD Director	NAME			POSITION	
Anthony Buckingham	Alfred Tassardi		Fire Chi	ef and Police	Officer
NOTES:	Anthony Buckingham		CD Direc	tor	
NOTES:					
	NOTES:				
				a American Chi	

Full Time 0 Part Time 4 Hours of Operation As neede	d
Vehicles Personal Cars Type	
Radio Equipped Frequency 39.16 FC	I de la composición della comp
P.A. Equipped 0 If funds Avail, Equip others	
Portables 3 Porta Mobiles Pagers	
Monitor_Receivers in Officers Homes 0	
Base Station Location One of Officers Homes	
Other Dept's Monitored Franklin Co.	С.В.
Telephone Lines Chief's Home	
Hot Lines No	
Auxiliary Power (Yes) (No)	
Make/Model	
Type/Amount of Fuel	
Any Added Capability	
Portable Generators (Yes) (No)	
Make/Model	
Assist in Preparation of Notification Plan (Yes) X (No)	
NOTES	

Vehicles 2 Type 2 Fire Fighting  Type 2 Fire Fighting
Radio Equipped 2 Frequency Tri State 33.54
P.A. Equipped 2 If funds Avail, Equip others
Portables 1 Pagers 0
Monitor Receivers in Officers Homes 0
Base Station Location None
Other Dept's Monitored Tri State C.
Telephone Lines _*/
Hot Lines None
Auxiliary Power (Yes) (No) _X
Make/Model
Type/Amount of Fuel
Any Added Capability
Portable Generators (Yes) (No) X
Make/Model
Assist in Preparation of Notification Plan (Yes) X (No)
* Red Phone System (4): Chief's House - Boiler Room at Deerfield Specialty
* Red Phone System (4): Chief's House - Boller Room at Section 5
Co Paper Mill - Fire Capts House - Fire House

FIRE DEPARTMENT	(CONTINUED)
Mutual Aid with	Tri State
Audible Devices	(Yes) (No)X
Location(s)	Mill Whistle - Undependable
How Activated _	Manually
Make/Model	Unkwnown
Effective Range	100 feet
Test Frequency	None
	Steam Whistle (train type)
NOTES Closed two weeks	s a year and not available.

CIVIL DEFENSE				
E.O.C. (Yes)	(No)	X		
Location	_ Alternat	e E.O.C. I	ocations	
Emergency Warning Devices	at E.O.C.	(Yes)	(No)	
Radio Capability (Yes)				
Telephones (Yes)				
Auxiliary Power at E.O.C.				
Make/Mcdel		Fuel	Amount	
E.O.C. Manned by				
Types of Events Covered _				
Notification Plan in Plac	e (Yes)	Х	(No)	
Types CD Director newly ap				
-1100				
NOTES				
Phone - NET+T Co.Not Reliabl	e			
Radio - Poor				
TV - Good				-
Electricity - Mass Elec.	A.T			

1 don't have phone, all have electricity

22 Homes in Village: 40 total

Village could be warned with 15 mins. - Not top of Mountain: CDD will consider

TOWN Florida		STATE	MA		ID #	
POPULATION 800	DATE	6/20/	80	SOU	RCE	
AREA(SQ.MI.)24.71						
EASONAL DEMOGRAPE	HICS:					
STIMATED POPULAT	ION INCRE	ASES:_	20,000			
DURING MONTHS (WEI	EKS) OF:	Two week	s ever	y Oct	ober - Fall Fo	liage
LOCATION(S):						
TYPE:		77424 F				
						47
MUNICIPAL OFFICIA	LS INTERV	VIEWED:				
NAME					POSITION	
Daniel Fogarty			Se	lectma	an (Chairman)	
Charles L. Briggs	Y-7012 X		Fi	re Chi	ief	
Charles L. Briggs	, Sr.		Po	lice (	Chief	
Alfred Gallese			C.	D. Di	rector	
Ralph Dodge			Se	lectm	an	
			_			
					7 7 7 7 7 7 7 7 7 7	
NOTES:						

Full Time 0	Part Time	12 Hours of	Operation As	Needed
		Type		
Radio Equipped	C.B. Radios	Frequency		
P.A. Equipped	Thru C.B.	If funds Avai	.1, Equip other	rs
Portables	2 C.B.	Pagers	0	
Monitor Receive	ers in Officer	s Homes Chief - Be	rkshire County Po	olice + Fire
Base Station Lo	ocation Chief's	Home 40 Channel C.B	. Base	
				С.В.
Telephone Lines	s (1)	(Chief's Home)		
Hot Lines				
Auxiliary Powe	r (Yes)	(No) X		
Type/Amount of	Fuel	45年18月7月18日		
Any Added Capa	bility			
Portable Gener	ators (Yes)	(No) _		
Make/Model				
Assist in Prep	aration of Not	ification Plan (	(es)(	40)
NOTES				
			7 - 7 Eps	

Full Time 0	Part Time	12 Hours of Operation Cal	
Vehicles		Type 3 Fire Fighting, 1 Pumper  Berkshire County Mutual	Aid System
Radio Equipped	2	Frequency 154.310	
P.A. Equipped _	1	If funds Avail, Equip others	Yes
Portables	0	Pagers 12	
		Homes	
		eld, MA	
Other Dept's Mo:	nitored Berkshi	re County Mutual Aid	С.В.
		1	
Hot Lines	No		
Auxiliary Power		No) <u>X</u>	
Make/Model			
Any Added Capab	ility		
Portable Genera	tors (Yes)	(No)	
Make/Model			
Assist in Prepa	ration of Noti	fication Plan (Yes) (No)	х
NOTES			
Telephone	rings in Chief's	home - and - BCMA in Pittsfield	
Berkshire	County activates	the pagers	
bedspired or to			
deteración			

Mutual Aid with	Berkshire County
	(Yes) X 3 (No)
	e #2 Fire Station - Hoosac Tunnel - Central Shaft Road
How Activated	Manually from Fire Station
Make/Model	Unknown - World War II Antiques.
Effective Range	
	Covers 75% of population - top of mountain
Test Frequency	Once a week - Saturday 12 noon
Type of Tone	Siren
NOTES	
AM radio	- Reception generally good
TV	- Good on top of mountain
Phone	- NET+T Reliability - good
Electricit	y - Mass Electric Company.

.o.c. (Yes)						
	X	(No)				
ocation Gabriel Ab	bott School	Alter	nate E.O.	C. Loca	tions	
Emergency Warning	Devices	at E.O.	C. (Yes)		(No)	Х
Radio Capability	(Yes)		(No)	Х		
Telephones (Yes)						
Auxiliary Power a	t E.O.C.	(Yes)		(No)	X	
Make/Model						
E.O.C. Manned by						
Types						
Notification Plan Types  NOTES						
Types						
Types						
Types						
Types						
Types						

TOWN Charle	emont		STATE	MA	ID #	
OPULATION	1050	DATE	7/9/80		SOURCE	
REA(SQ.MI.)		- % IN	EPZ: (5	MI)_	(10MI)	Rowe
SEASONAL DEMO	GRAPHIC	S:				
					200	
DURING MONTHS	(WEEKS	) OF:_		Sur	mer	
LOCATION(S):_	Number	located	on Legate	Hill	Road	
TYPE:	which i	s within	n the 5M z	one.		
MUNICIPAL OFF		INTERV	TIEWED:		POSITION	
NA						
Chuck Bellows	s				Police Chief	
James William	ms				Fire Chief	MACCONIC INC.
William Hark	er			_	C.D. Director	
Cyrus Annear	, Jr.				Assistant Fire Chief	
NOTES:	herical.					
				т - т.		

Full Time 0 Part Time 12 Hours of Operation As needed	
Vehicles 1 Type Sdn.	
Radio Equipped 1 Frequency FCR + 44.74	
P.A. Equipped 1 If funds Avail, Equip others	
Portables 2 WT/2 Port. Mobiles Pagers 0  County Freq.	-
Monitor Receivers in Officers Homes	
Base Station Location Main Street, Charlemont	
Other Dept's Monitored None C.	В.
Telephone Lines Chief's Home .	
Hot Lines None	
Auxil ary Power (Yes) (No)X	
Make/Model	_
Type/Amount of Fuel	
Any Added Capability	
Portable Generators (Yes) (No)	
Make/Model	
Assist in Preparation of Notification Plan (Yes) (No)	-
NOTES	
Within 5M zone approx. 25 dwellings	_
Approx. 25 dwellings outside 10M zone	_
	_
Will hire full time Chief in August - will go to a "blue phone" system	
in the Fall similar to Fire Department "red phone" system.	

Full Time 0	Part Time _	15 Hours of Operation Voluntary
		Type Various FF Vehicles
		Frequency 33.54
P.A. Equipped	3	If funds Avail, Equip others Yes
		Pagers 0
Monitor Receiver	rs in Officers	Homes 1
Base Station Loc	cation	y road
Other Dept's Mor	nitored TRI-SI	C.B.
Telephone Lines		
Hot Lines	0	
Auxiliary Power		(No) X
Make/Model		
Type/Amount of	Fuel	
Any Added Capab	ility	
Portable Genera	tors (Yes)	1 (No)
Make/ModelUr		
Run ra Assist in Prepa	dio - Blow Siren eration of Not	ification Plan (Yes) (No)
NOTES		
Red Pho	ne System: 8 loca	tions - 1 Gas Station - 1 Garage - 6 F.F. homes.

CIVIL DEFENSE	Not contacted			
E.O.C. (Yes)				
Location	Altern	ate E.O.C. Lo	cations	
Emergency Warning D				
Radio Capability (Y	es)	(No)		
Telephones (Yes)		(No)		
Auxiliary Power at				
Make/Model		Fuel	Amount	
E.O.C. Manned by				
Types of Events Cov  Notification Plan i	n Place (Yes)	(2	Io)	
NOTES				

SOURCERowe
ds increases to 1000
POSITION
D. Director
re Chief
Server Mahanda Setator
ty force: Mohawk Estates

Full Time 0 Part Tim	ne 4 Hours of Operation As Needed
Vehicles 1	
Radio Equipped 1	Frequency 39.16 Franklin County
	If funds Avail, Equip others
Portables 4	Pagers0
	ers Homes
Base Station LocationCh	
Other Dept's Monitored	ranklin County C.B.
Telephone Lines	Chief's Home
dot Lines	10
Auxiliary Power (Yes)	(No) X
Make/Model	
Type/Amount of Fuel	
Any Added Capability	
Portable Generators (Yes)	(No) X
Make/Model	
Assist in Preparation of 1	Notification Plan (Yes) X (No)
NOTES	
MANUFACTURE CONTRACTOR	

	Tri-State
futual Aid wit	in
audible Device	es (Yes) X (No)
Location(s)	Town Hall C.D.
	Fire Station
How Activated	Manually and at 5 pull stations - Gas Station and Fire
	personnel homes
Make/Model	Antiques
	和开放的自己的特殊的特殊的特殊的
Fffective Rand	ge Calm day - 2 miles
Test Fraguency	Daily Town Hall 12 Noon week days
Type of Tone	Wailing
NOTES	
	- Cable great - North Adams reception Fair/Poor
	- Reliable
NEITI	- VETTODIC
Elec.	- MA. Elec.

Pull Time 0 Part Time 30 Hours of Operation Vehicles 4 Type 3 Fire Fighting- Radio Equipped *3 Frequency 33.54  P.A. Equipped 2 If funds Avail, Equipped 2 Pagers 0  Monitor Receivers in Officers Homes 3  Base Station Location Fire Station  Other Dept's Monitored Tri State - Deerfield Valley  Telephone Lines (Home No No) X  Make/Model (Yes) (No) X  Make/Model (Yes) (No) Army Surplus Agway - Winco Assist in Preparation of Notification Plan (Yes) X  NOTES  4 Red Phone: Chief's Home - Dep. Chiefs - Pers. Store - Fire Oper	One 4-Wheel Dr.
Paddio Equipped *3 Frequency 33.54  P.A. Equipped 2 If funds Avail, Equip Portables 2 Pagers 0  Monitor Receivers in Officers Homes 3  Base Station Location Fire Station  Other Dept's Monitored Tri State - Deerfield Valley  Telephone Lines (Home  No  Make/Model  Type/Amount of Fuel  Any Added Capability 2 1500 Watt  Portable Generators (Yesl 15 KW (No) Gasoline 100  Army Surplus  Agway - Winco  Assist in Preparation of Notification Plan (Yes) X	
Portables  2 Pagers 0 Monitor Receivers in Officers Homes 3 Monitor Dept's Monitored Dept's Monitored Tri State - Deerfield Valley Telephone Lines Mot Lines Muxiliary Power (Yes)  Make/Model Type/Amount of Fuel Any Added Capability Portable Generators (Yes] 15 KW Army Surplus Make/Model  Make/Model  Assist in Preparation of Notification Plan (Yes)  NOTES	
A. Equipped 2 If funds Avail, Equip Fortables 2 Pagers 0  Conitor Receivers in Officers Homes 3  Case Station Location Fire Station  Cher Dept's Monitored Tri State - Deerfield Valley  Celephone Lines (Home  Mot Lines No  Make/Model  Type/Amount of Fuel  Any Added Capability 2 1500 Watt  Portable Generators (Yes] 15 KW (No) Gasoline 100  Army Surplus Agway - Winco  Assist in Preparation of Notification Plan (Yes) X  NOTES	
Monitor Receivers in Officers Homes  Sase Station Location  Other Dept's Monitored  Tri State - Deerfield Valley  Telephone Lines  Mo  Make/Model  Type/Amount of Fuel  Any Added Capability  Portable Generators (Yes) 15 KW (No) Gasoline 100  Army Surplus  Agway - Winco  Assist in Preparation of Notification Plan (Yes) X  NOTES	others Yes
Monitor Receivers in Officers Homes  Sase Station Location  Other Dept's Monitored  Tri State - Deerfield Valley  Telephone Lines  Mo  Make/Model  Type/Amount of Fuel  Any Added Capability  Portable Generators (Yes) 15 KW (No) Gasoline 100  Army Surplus  Agway - Winco  Assist in Preparation of Notification Plan (Yes) X  NOTES	
Tri State - Deerfield Valley  Celephone Lines  Mot Lines  Make/Model  Prype/Amount of Fuel  Any Added Capability  Portable Generators (Yes] 15 KW (No) Gasoline 100  Army Surplus  Agway - Winco  Assist in Preparation of Notification Plan (Yes) X	
Tri State - Deerfield Valley  Telephone Lines  No  No  No  No  No  No  No  No  No  N	
No	С.В
No  Auxiliary Power (Yes) (No) X  Make/Model  Type/Amount of Fuel  Any Added Capability  Portable Generators (Yesl 15 KW (No) Gasoline 100  Army Surplus  Make/Model Agway - Winco  Assist in Preparation of Notification Plan (Yes) X  NOTES	
Make/Model  Type/Amount of Fuel  Any Added Capability  Portable Generators (Yesl 15 KW (No) Gasoline 100 Army Surplus  Make/Model Agway - Winco  Assist in Preparation of Notification Plan (Yes) X	
Make/Model  Type/Amount of Fuel  Any Added Capability  Portable Generators (Yesl 15 KW (No) Gasoline 100  Army Surplus  Make/Model Agway - Winco  Assist in Preparation of Notification Plan (Yes) X	
Any Added Capability  2 1500 Watt  Portable Generators (Yesl 15 KW (No) Gasoline 100  Army Surplus  Agway - Winco  Assist in Preparation of Notification Plan (Yes) X	
Any Added Capability  2 1500 Watt  Portable Generators (Yesl 15 KW (No) Gasoline 100  Army Surplus  Agway - Winco  Assist in Preparation of Notification Plan (Yes) X	
Make/Model Army Surplus Agway - Winco Assist in Preparation of Notification Plan (Yes) X NOTES	
Army Surplus  Agway - Winco  Assist in Preparation of Notification Plan (Yes) X  NOTES	Gals
Assist in Preparation of Notification Plan (Yes) X	
NOTES	
	(No)
A ned phone Chief's Home - Den Chiefs - Pers Store - Fire Oper	
4 Red Phone: Chief 5 Holle - Dep. Chiefs - Tel 3. 30010	ator
* Chiefs Personal car has T/R Tri State	
Each red phone makes a series of calls resulting in notification	

# FIRE DEPARTMENT (CONTINUED) Mutual Aid with Tri State Audible Devices (Yes) \*1 (No) Location(s) Fire Station How Activated Red Phone Locations Make/Model Unknown 5HP installed 1960 -Effective Range \_\_\_\_ Good Clear Day 7 miles Test Frequency Monthly 2nd Tues 7 PM Type of Tone Sireen

OTES	chine		not	normit	1150 0	f audible	alarm	for a	ny reaso	on excep
*Fire	Chier	WILL	noc	permit	436 0	1 4441514				
fire	alarms									
				4		1571.4				
								-		-
		_								

Mutual Aid with	Tri State and Deerfield Valley
	(Yes) 1 (No)
Location(s) Fir	re House
How Activated	Manually from Station
	Red Phone
Make/Model	Sterling 358 (WWII)
Effective Range	Good Day 2-4 miles 20% of Population
Test Frequency	Weekly Sat. Noon
Type of Tone	Siren
NOTES	
Radio - WHAI usele	ss. Keene NH clear
TV - Bost - Har	tford
Elec - Mass. Elec.	
NET+T - Fairly rel	

CIVIL DEFENSE	
.o.c. (Yes) X	(No) X
Location Fire House Annex	Alternate E.O.C Locations
Emergency Warning Devices	at E.O.C. (Yes) _ ^ (No)
Radio Capability (Yes) X	(No)
Telephones (Yes) Town Garag	ge (No)
Auxiliary Power at E.O.C.	(Yes) (No) <u>x</u>
Make/Model	Fuel Amount
Tunos of Events Covered	Basically all emergencies
	e (Yes) X (No)
Types	
NOTES	
Notification by PA - Phone - 1	Mohawk Estates Security Police
Door to Door - Radio = 50% no	tification in 15 minutes. Thirty five people
within 5 mile zone - 27 Dwel	lings.
WI GITTI O MITTO EDITO	

TOWN Clarksburg STAT	TEID #
POPULATION 500 DATE 7/	7/80 SOURCE
	(5MI) (10MI) X Rowe
SEASONAL DEMOGRAPHICS:	
ESTIMATED POPULATION INCREASES:	
DURING MONTHS (WEEKS) OF:	
LOCATION(S):	
TYPE: State Park 47 Site	s April/Oct (Pay Phone)
MUNICIPAL OFFICIALS INTERVIEWED	
NAME	POSITION
William B. Cardonnel	CD Director
Howard Tanner	Fire Chief
	Town Garage 663-3451
John Scarbo	
NOTES:	
Personal Parket Co., Artist. Co. Co. Co. Co. Co.	
Fire Chief estimates 90% of	

Full Time			Sedan	
Vehicles	*	Type	P County Police +	Fire
Radio Equipped	1	Frequency	B County Police + 154.740	154.310
P.A. Equipped _	1	_ If funds A	vail, Equip other	rs
Portables	8	Pagers	٠,	
			3	
Base Station Lo	cation ·			
Other Dept's Mo	nitored			С.В
Telephone Lines				
Hot Lines				
Auxiliary Power	(Yes)	(No) <u>X</u>		
Make/Model				
Type/Amount of	Fuel			
Any Added Capab	ility			
Portable Genera	tors (Yes)	(No)		
Make/Model				
Assist in Prepa	aration of No	tification Plan	(Yes)(	No)
NOTES				
Police ph	one system in e	ach officer's home	•	
Mobile ra	idio not install	ed - waiting deliv	ery.	
		Appendix and p		
			100	

Full Time	Part Time _	36 Hours	of Operation Vo	1.
Vehicles	5	Type 2 Put	mpers - 2 Tankers - 1 Ed	quip. Trk.
Radio Equipped _				
P.A. Fquipped			Avail, Equip others	Yes
Portables	4	Pagers	0	
			0	1
			Road	
Other Dept's Mor	nitored	Berksh	ire	С.В.
Telephone Lines			د ِ	
Hot Lines		No.		
Auxiliary Power				
Make/Model				
Type/Amount of	Fuel			
Any Added Capab	ility			
Portable Genera	tors (Yes)	X (No	.)	
Make/Model 2	000 Watt - Make	- Winco		
Assist in Prepa	ration of Not	ification Fla	an (Yes) (No	0)
NOTES				
Red Base	System - 7 locat	tions - 6 firefi	ghters' homes	183 T. T. T.
l privat	e garage - Alarm	sounded from th	e 7 manerine ine	
January College				
and share town				

Mutual Aid wit	h Berkshire County
	s (Yes) X (No)
	Omni Directional -
	Houghton St. Pole
How Activated	From Fire Phones
Make/Model	Unknown
Effective Rang	ge Approx. 70%
Test Frequency	Monthly - 1st Monday - 7 P.M.
Type of Tone	Siren
NOTES	
NET+T	Fairly Reliable
Electi	ric MA. Elec.
TV	Cable

E.O.C. (Yes)	(No) X
Location	Alternate E.O.C. Locations
Emergency Warning Devi	ices at E.O.C. (Yes) (No)
Radio Capability (Yes)	(No)
Telephones (Yes)	(No)
Auxiliary Power at E.C	O.C. (Yes) (No)
Make/Model	Fuel Amount
Tunes of Fuents Cover	eđ
Types of Evenes cover	
Notification Plan in 1	Place (Yes) (No)
Types	
NOTES	
	Center will probably be located
Emergency Oper. O	
Emergency Oper. O	

-	dams	STATE	1117	ID #		_
POPULATION_	17,500	DATE 6/20/8	0 s	OURCE Fire	Chief	
	20.70					Rowe
SEASONAL DE	MOGRAPHICS:					
ESTIMATED P	OPULATION I	NCREASES:_				
DURING MONT	HS (WEEKS)	OF:				
LOCATION(S)	: State Colleg	e 3000 Sept	/June			
TYPE:	Fall Foliage	Oct (2 wks	) 35,000			
	Ski (winter)		. <u>11</u>			
	Campino Area	Winsor Lake	1000 Su	mmer		11
Albert Denel	te Sullivan	, No. 17 January		D. Director	-	
Dennis Kuzia				gt. Police Der		7
John Law				re Inspector		
John Law						
NOTES:						
NOTES:						
NOTES:						
NOTES:						
NOTES:						

Hot Lines	
Radio Equipped 5 Frequency 154,740 County  P.A. Equipped 4 If funds Avail, Equip othersNo  Portables 12 156,210 Pagers 0  Monitor Receivers in Officers Homes 0  Base Station Location Summer St. No. Adams  Other Dept's Monitored Berkshire, Co.  Telephone Lines 3  Hot Lines 0  Auxiliary Power (Yes) X (No)  Make/Model See Fire Dept.  Type/Amount of Fuel  Any Added Capability  Portable Generators (Yes) (No) X  Make/Model  Assist in Preparation of Notification Plan (Yes) X (No)	
Monitor Receivers in Officers Homes 0  Base Station Location Summer St. No. Adams Other Dept's Monitored Berkshire, Co.  Telephone Lines 3  Hot Lines 0  Auxiliary Power (Yes) X (No)  Make/Model See Fire Dept.  Type/Amount of Fuel  Any Added Capability  Portable Generators (Yes) (No) X  Make/Model  Assist in Preparation of Notification Plan (Yes) X (No)	
Monitor Receivers in Officers Homes 0  Base Station Location Summer St. No. Adams  Other Dept's Monitored Berkshire, Co.  Telephone Lines 3  Hot Lines 0  Auxiliary Power (Yes) X (No)  Make/Model See Fire Dept.  Type/Amount of Fuel  Any Added Capability  Portable Generators (Yes) (No) X  Make/Model  Assist in Preparation of Notification Plan (Yes) X (No)	
Base Station Location Summer St. No. Adams  Other Dept's Monitored Berkshire, Co.  Telephone Lines 3  Hot Lines 0  Auxiliary Power (Yes) X (No)  Make/Model See Fire Dept.  Type/Amount of Fuel  Any Added Capability  Portable Generators (Yes) (No) X  Make/Model  Assist in Preparation of Notification Plan (Yes) X (No)	
Other Dept's Monitored Berkshire, Co.  Telephone Lines 3  Hot Lines 0  Auxiliary Power (Yes) X (No)  Make/Model See Fire Dept.  Type/Amount of Fuel  Any Added Capability  Portable Generators (Yes) (No) X  Make/Model  Assist in Preparation of Notification Plan (Yes) X (No)	
Telephone Lines 3  Hot Lines 0  Auxiliary Power (Yes) X (No)  Make/Model See Fire Dept.  Type/Amount of Fuel  Any Added Capability  Portable Generators (Yes) (No) X  Make/Model  Assist in Preparation of Notification Plan (Yes) X (No)	
Make/Model See Fire Dept.  Type/Amount of Fuel  Any Added Capability  Portable Generators (Yes) (No) X  Make/Model  Assist in Preparation of Notification Plan (Yes) X (No)	3.B
Auxiliary Power (Yes) X (No)  Make/Model See Fire Dept.  Type/Amount of Fuel  Any Added Capability  Portable Generators (Yes) (No) X  Make/Model  Assist in Preparation of Notification Plan (Yes) X (No)	
Make/Model See Fire Dept.  Type/Amount of Fuel  Any Added Capability  Portable Generators (Yes) (No) X  Make/Model  Assist in Preparation of Notification Plan (Yes) X (No)	
Type/Amount of Fuel  Any Added Capability  Portable Generators (Yes) (No) X  Make/Model  Assist in Preparation of Notification Plan (Yes) X (No)	
Any Added Capability  Portable Generators (Yes) (No) X  Make/Model  Assist in Preparation of Notification Plan (Yes) X (No)	
Make/Model  Assist in Preparation of Notification Plan (Yes) X (No)	
Make/Model  Assist in Preparation of Notification Plan (Yes) X (No)	
Assist in Preparation of Notification Plan (Yes) X (No)	
NOTES	

Honda - G40

0	e 0 Hours of Operation 24  7 Fire Fighting 1 Sedan
ehicles o	Type 7 Fire Fighting 1 Sedan 153.950
	Frequency 154.310 Berkshire County
	r) If funds Avail, Equip others Yes 7
ortables 5	Pagers 0
	ers Homes0
ase Station Location Amer	rican Legion Drive
ther Dept's Monitored Be	rkshire Co. only /NAWAS/ C.B.
Celephone Lines 2	
Not Lines Direct line	e to Sprague Electric
Auxiliary Power (Yes) X	(No)
Make/Model 3 KW 11	5V Single Phase 26 Amps
Type/Amount of Fuel	Gasoline
Any Added Capability	
	* X (No)
Make/Model	
Assist in Preparation of N	Notification Plan (Yes) (No)
NOTES	
DPW - Bucket Truck - PA Syste	em - Police and Fire Fred.
Mounted Generator with 2000 1	W - Portable 2000W McCullough
2 Portables (1 No. Adams FD	only) (1 all four)

Mutual Aid with Berkshire Co.
Audible Devices (Yes) 3 (No)
Location(s) Bliss Gamewell Diaphone - Non Directional
1-Roof of School E. Main St.
2- Roof Sprague Elec. Mashall St. How Activated 3-Roof Pum, Sta. off Mass Ave.
By hand from each site - Automatically from FD
Make/Model
Effective Range Approx. 2 miles-varies with season of year
Test Frequency Every Day 8 AM Two Single blasts - Every Friday 3 PM
Type of Tone Air Whistle - CD Alert 2-5-2 (Four times)
NOTES
NET+I
Mass Elec.
AM/FM Reception Good - AM off at 12M

CIVIL DEFENSE	
E.O.C. (Yes) X* (No)	
Location Hariman West Airport Alter	nate E.O.C. Locations
Emergency Warning Devices at E.O.	C. (Yes) (No) X
	(3*-3)
Radio Capability (Yes) CAP radio	(NO)
Telephones (Yes) _x	(No)
Auxiliary Power at E.O.C. (Yes)	(No) <u>X</u>
Make/Model	Fuel Amount
E.O.C. Manned byCDD/Municipal Sca	anner
Types of Events Covered All disas:	ters
Notification Plan in Place (Yes)	(No)
Types All Types	
NOTES	
*will be a/o 7/1	
When load of nuc. waste, leaves-Rowe FD n	• 64
when load of nuc, waste, leaves-kowe FD II	Cit.

8/80 Z: (5MI)			Х	
	(10	MI)	X	Rowe
		- Appropriate		11040
:N	one			
D:				
	POS	ITION	1	
	Mark Co			
CD D	irector			
Fire	Chief	1		
Poli	ce Chief	Notch	Rd	
				44
	CD I	CD Director Fire Chief	CD Director Fire Chief	ED:  POSITION  CD Director

Full Time 24 Part Time Hours of Operation 24 hrs.
Vehicles 3 Type 2 Sdn. 1 Wgn,
Radio Equipped 3 Frequency 155.130 154.740 Berkshire Cour
P.A. Equipped 3 If funds Avail, Equip others
Portables 10 (+8 not in use) Pagers 0
Monitor Receivers in Officers Homes
Base Station Location PD 67 1/2 Park St.
Other Dept's Monitored C.B
Telephone Lines 3 Police
Hot Lines
Auxiliary Power (Yes) (No) X
Make/Model
Type/Amount of Fuel
Any Added Capability
Portable Generators (Yes) (No) X
Make/Model
Assist in Preparation of Notification Plan (Yes) (No) X
NOTES

Vehicles 6 Type 1 Emerg.Trk. 5 Fire Vehicle  Radio Equipped 6 Frequency 154.310  P.A. Equipped 6 If funds Avail, Equip others  Portables 6 Pagers 45  Monitor Receivers in Officers Homes  Base Station Location Fire Station - 3 Columbia St.  Other Dept's Monitored Berkshire County C.B  Telephone Lines Handled by Police Dept.  Hot Lines No  Auxiliary Power (Yes) (No) X  Make/Model Type/Amount of Fuel  Any Added Capability  Portable Generators (Yes) 3 (No)  Make/Model Unknown  Assist in Preparation of Notification Plan (Yes) (No)  NOTES  Fire Call received at Police Department. Transmitted over paging system to volunteers - System works extremely well. Apparent	de lab also also de absenti las		45 Hours of Operation Voluntee	
Radio Equipped 6 Frequency 154.310  P.A. Equipped 6 If funds Avail, Equip others 7  Portables 6 Pagers 45  Monitor Receivers in Officers Homes 7  Base Station Location Fire Station - 3 Columbia St.  Other Dept's Monitored 8 Berkshire County C.B  Telephone Lines Handled by Police Dept.  Hot Lines No  Auxiliary Power (Yes) (No) X  Make/Model Type/Amount of Fuel Any Added Capability  Portable Generators (Yes) 3 (No)  Make/Model Unknown  Assist in Preparation of Notification Plan (Yes) (No)  NOTES  Fire Call received at Police Department. Transmitted over paging	Vehicles	6	Type 1 Emerg. Trk. 5 Fire Vehicle	
P.A. Equipped 6 If funds Avail, Equip others 6 Pagers 45  Monitor Receivers in Officers Homes  Base Station Location Fire Station - 3 Columbia St. Other Dept's Monitored Berkshire County C.B  Telephone Lines Handled by Police Dept.  Hot Lines No  Auxiliary Power (Yes) (No) X  Make/Model Type/Amount of Fuel  Any Added Capability Portable Generators (Yes) 3 (No)  Make/Model Unknown  Assist in Preparation of Notification Plan (Yes) (No)  NOTES  Fire Call received at Police Department. Transmitted over paging	Radio Equipped	6	Frequency 154.310	
Monitor Receivers in Officers Homes  Base Station Location Fire Station - 3 Columbia St.  Other Dept's Monitored Berkshire County C.B  Telephone Lines Handled by Police Dept.  Hot Lines No  Auxiliary Power (Yes) (No) X  Make/Model  Type/Amount of Fuel  Any Added Capability  Portable Generators (Yes) 3 (No)  Make/Model Unknown  Assist in Preparation of Notification Plan (Yes) (No)  NOTES  Fire Call received at Police Department. Transmitted over paging				
Monitor Receivers in Officers Homes  Base Station Location Fire Station - 3 Columbia St.  Other Dept's Monitored Berkshire County C.B  Telephone Lines Handled by Police Dept.  Hot Lines No  Auxiliary Power (Yes) (No) X  Make/Model Type/Amount of Fuel  Any Added Capability Portable Generators (Yes) 3 (No)  Make/Model Unknown  Assist in Preparation of Notification Plan (Yes) (No)  NOTES  Fire Call received at Police Department. Transmitted over paging				
Base Station Location				
Other Dept's Monitored Berkshire County C.B Telephone Lines Handled by Police Dept.  Hot Lines No Auxiliary Power (Yes) (No) X  Make/Model Type/Amount of Fuel Any Added Capability Portable Generators (Yes) 3 (No)  Make/Model Unknown  Assist in Preparation of Notification Plan (Yes) (No)  NOTES  Fire Call received at Police Department. Transmitted over paging	Base Station Loc	cation Fire Sta	ation - 3 Columbia St.	
Telephone Lines	Other Dept's Mon	nitored	erkshire County	
Hot Lines No  Auxiliary Power (Yes) (No) X  Make/Model  Type/Amount of Fuel  Any Added Capability  Portable Generators (Yes) 3 (No)  Make/Model Unknown  Assist in Preparation of Notification Plan (Yes) (No)  NOTES  Fire Call received at Police Department. Transmitted over paging	Telephone Lines	Handled	by Police Dept.	
Auxiliary Power (Yes) (No) X  Make/Model				
Type/Amount of Fuel  Any Added Capability  Portable Generators (Yes) 3 (No)  Make/Model Unknown  Assist in Preparation of Notification Plan (Yes) (No)  NOTES  Fire Call received at Police Department. Transmitted over paging	Auxiliary Power	(Yes)(	No) X	
Any Added Capability  Portable Generators (Yes) 3 (No)  Make/Model Unknown  Assist in Preparation of Notification Plan (Yes) (No)  NOTES  Fire Call received at Police Department. Transmitted over paging	Make/Model			
Portable Generators (Yes) 3 (No)  Make/Model Unknown  Assist in Preparation of Notification Plan (Yes) (No)  NOTES  Fire Call received at Police Department. Transmitted over paging	Type/Amount of	Fuel		
Make/ModelUnknown  Assist in Preparation of Notification Plan (Yes) (No)  NOTES  Fire Call received at Police Department. Transmitted over paging	Any Added Capab	ility		
Assist in Preparation of Notification Plan (Yes) (No)  NOTES  Fire Call received at Police Department. Transmitted over paging				
NOTES  Fire Call received at Police Department. Transmitted over paging	Make/Model	Unknown		
Fire Call received at Police Department. Transmitted over paging	Assist in Prepa	aration of Noti	fication Plan (Yes) (No)	
	NOTES			
system to volunteers - System works extremely well.	Fire Call	received at Police	Department. Transmitted over paging	- No.
	system to	volunteers - Syste	em works extremely well.	
				10,0

Mutual Aid with	None None
	s (Yes) 1 (No)
Location(s) F	ire Station
How Activated	Fire + Police Sta.or automatically thru
	54 boxes thru town
Make/Model	Gamewell
Effective Rang	e 3+ mile radius. (100% of Population)
Test Frequency	Every Day 1 P.M.
Type of Tone _	Air Horn Three Cone.
NOTES	
Does not	rely on audible signals.
	Radio/TV - OK
	NET+T - Reliable
Tribut Pale	Electric - NE Electric Co.

CIVIL DEFENSE
E.O.C. (Yes) * (No) X
Location Alternate E.O.C. Locations
Emergency Warning Devices at E.O.C. (Yes) (No)
Radio Capability (Yes) (No) * X
Telephones (Yes) (No)
Auxiliary Power at E.O.C. (Yes) (No) X
Make/Model Fuel Amount
E.C.C. Manned by
Notification Plan in Place (Yes) (No)  Types
NOTES *Adams Ambulance Service, 43 Park Street
Radios removed-thought to be upstairs.

TOWN Sa	500	DAME	7/8	/80	SOURCE			
POPULATIONAREA(SQ.MI.)	36 11	- DATE	7/0	7 30	. SOURC		Х	Row
AREA(SQ.MI.)	30.22	- % IN	EPZ:	(5MI)_		(10MI)_		
SEASONAL DEM	OGRAPHICS	5:						
ESTIMATED PO	PULATION	INCRE	ASES:				-	
DURING MONTH	S (WEEKS)	OF:_						
LOCATION(S):	South	Pond -	State	Apr/Oct	100-200	Campers		
TYPE:								
		-			-			
MUNICIPAL OF	PTATATE	INTERV	TEWED					
MILINIA FRANCE	CLALDIA							
MONICIPAL OF	LICIANO							
	AME					POSITION	N	
						POSITION	N	
	AME				Police	Chief		
Norman Ba	AME				Police			or
Norman Ba	AME ates			- - - -	Police	Chief		or
Norman Ba	AME ates			 	Police	Chief		or
Norman Ba	AME ates			- - - -	Police	Chief		or
Norman Ba	AME ates			  	Police	Chief		or
Norman Ba	AME ates				Police	Chief		or
Norman Ba	AME ates				Police	Chief		or
Norman Ba	AME ates				Police	Chief		or
Norman Ba	AME ates				Police	Chief		or
Norman Ba	AME ates				Police	Chief		or
Norman Ba	AME ates				Police	Chief		or
Norman Ba	AME ates				Police	Chief		or
Norman Ba	AME ates				Police	Chief		or
Norman Ba	AME ates				Police	Chief		or
Norman Ba	AME ates				Police	Chief		or
Norman Ba	AME ates				Police	Chief		or
Norman Ba	AME ates				Police	Chief		or

Full Time	Part Time	6 Hours of Operation As needed
Radio Equipped	Yes	Type
P.A. Equipped _	No	If funds Avail, Equip others
Portables	0	Pagers0
Monitor Receive	rs in Officer	s Homes
Base Station Lo	cation	Adams Road, Savoy
Othe Dept's Mo		
Telephone Lines		
Hot Lines		
Auxiliary Power		
Any Added Capab	oility	
		(No) X
Make/Model		
Assist in Prepa	aration of Not	ification Plan (Yes) (No)
NOTES		
*Personall	y owned radio in	private vehicle
on Highwa	y Frequency.	

Full Time 0 Part Time 19 Hours of Operation Vol	-
Vehicles 3 Type 1 Pumper, 1 Tanker, 1 Combinati	on
Radio Equipped 3 Frequency 154.310 BCFA	
P.A. Equipped 1 If funds Avail, Equip others _	Yes
Portables Pagers 10	Arterior and
Monitor Receivers in Officers Homes 9	
Base Station Location Main Road, Savoy	
Other Dept's Monitored None	C.B.
Telephone Lines Routine	
Ect Lines No	
Auxiliary Power (Yes) (No) X	
Make/Model	
Type/Amount of Fuel	
Any Added Capability	
Portable Generators (Yes) X (No)	-
Make/Model 3KVA McCullough	
Assist in Preparation of Notification Plan (Yes) (No)	
NOTES	
Emergency line answered in Pittsfield + Chief's House	
Tone activator pagers - no audible alarm.	
Not possible to notify affected population within 15 minutes.	
It takes the fire truck 12 minutes to reach the 10 mile circle	
from the fire station.	

	Elec.	Western MA.			15. w/o
	NET+T	Reliable			1% w/o
NOTES	TV Radio	Good - Top of	Mountain	Poor - Low	Section of To
Type of	Tone				
an transfer that					-
ffecti					
ake/Mo					
	_				
Act					
ocation					
udible	Devices	(Yes)		(No)	X

IVIL DEFENSE		
.O.C. (Yes) X (No	)	
ocation Fire Station Alt	ernate E.O.C. Loc	ations
mergency Warning Devices at E.	.O.C. (Yes)	(No)
Same as Fire Sta	(No)	
Celephones (Yes)	(No)	
auxiliary Power at E.O.C. (Yes)	(No)	
Make/Model	Fuel	Amount
C.O.C. Manned by		
Types of Events Covered		
Types of District Colored		
Notification Plan in Place (Ye	s) (No	))
Types		
NOTES		
25% of population within 10 s	aile zone.	

OWN Hawley	STATE_M	A ID #	
OPULATION 300	DATE 8/8/80	SOURCE	
REA(SQ.MI.)	% IN EPZ: (5	MI)(10MI)_	X Rowe
EASONAL DEMOGRAPHIC	:s:		
STIMATED POPULATION			
OURING MONTHS (WEEKS			
LOCATION(S):	Summer	Residents - Ski	
TYPE:		The state of the s	
		and the second	
MUNICIPAL OFFICIALS	INTERVIEWED:		
NAME		POSITIO	
George Fournier		CD Director and Po	lice Chier
NOTES:			

Full Time 0 Part Time	2 Hours of Operation As Needed
	Type 2 trucks
Radio Equipped 0	Frequency 0
	If funds Avail, Equip others
Portables0	Pagers
Monitor Receivers in Officer	s Homes 0
Base Station Location 0	
	С.В.
Telephone Lines	
Hot Lines	
Auxiliary Power (Yes)	(No) X
Make/Model	
Type/Amount of Fuel	
Any Added Carability	
Portable Generators (Yes)	(No)
Make/Model	
Assist in Preparation of Not	rification Plan (Yes) X (No) Partially
NOTES	

Full Time None Part Time	Hours of Operation
Vehicles	Type
Radio Equipped	Frequency
P.A. Equipped	If funds Avail, Equip others
Portables	Pagers
Monitor Receivers in Officers	Homes
Base Station Location	
Other Dept's Monitored	C.
Telephone Lines	
Hot Lines	
Auxiliary Power (Yes) (	No)
Type/Amount of Fuel	
Any Added Capability	
Portable Generators (Yes)	(No)
Make/Model	
Assist in Preparation of Not	ification Plan (Yes) (No)
NOTES	
Fire Services provided by Charle	mont on a reimbursible basis \$100 per
trk/per hour \$5 per man/per hour	

# FIRE DEPARTMENT (CONTINUED) Mutual Aid with Audible Devices (Yes) \_\_\_\_\_ (No) \_\_X Location(s) How Activated Make/Model \_\_\_\_\_ Effective Range Test Frequency Type of Tone NOTES

IVIL DEFENSE
.o.c. (Yes) (No)X
ocation Alternate E.O.C. Locations
Emergency Warning Devices at E.O.C. (Yes) (No)
Radio Capability (Yes) (No)
Telephones (Yes)(No)
Auxiliary Power at E.O.C. (Yes) (No)
Make/Model Fuel Amount
E.O.C. Manned by
Types of Events Covered
Notification Plan in Place (Yes) (No)
Types
NOTES
Town Owns but 3 buildings
50% of population within 10 MZ

TOWN *Buckland	STATE MA	ID #	
POPULATION 3000 DA	7/9/80	SOURCE	
AREA(SQ.MI.) %			
SEASONAL DEMOGRAPHICS:			
ESTIMATED POPULATION INC	REASES: None		
DURING MONTHS (WEEKS) OF	11		
LOCATION(S):			
TYPE:			
	and the same		
MUNICIPAL OFFICIALS INT	ERVIEWED:		
NAME		POSITION	
Ed Mowry		Police Chief	
Eric D. Temple		CDD	
Rollie Cusson .	-	Dep. Fire Chief	
Bill Walker		Dep. Fire Chief	
NOTES: Not over 30 people	within 10M zone	(6 dwellings)	
-			
Oxbow Road			
No. of the contract of the con			

( )

Full Time 1 Part	Fime 4 Hours of Operation 8 hrs.daily & as needed
Vehicles 1	Type Sdn.
Radio Equipped1	Frequency 44.74 (MA State Police) (Old Freq.)
P.A. Equipped Yes	If funds Avail, Equip others
Portables 2 on Franklin Co	. System Pagers
Monitor Receivers in Of	ficers Homes
Base Station Location _	Town Office (F.C.R.) State Street
Other Dept's Monitored	FCR + SP C.B.
Telephone Lines	625-6506
Auxiliary Power (Yes)	(No) X
Make/Model	
Type/Amount of Fuel	
Any Added Capability	
Portable Generators (Ye	(No)
Make/Model	
Assist in Preparation o	f Notification Plan (Yes)(No)
NOTES	
Area has approx.6 d	wellings - 30 people within 10M zone.

Full Time 0 Part Time 21 Hours of Operation Volunteer
Vehicles 3 Type 3 Pumpers - 2 750 1 1000
Radio Equipped 3 Frequency 33.54 Tri-State
P.A. Equipped 1 If funds Avail, Equip others Yes
Portables Pagers 0
Monitor Receivers in Officers Homes
Base Station Location Fire 9 Williams Street
Other Dept's Monitored SP - Local Police - Elec. Co. C.B.
Telephone Lines Reg - Emerg -
Hot Lines None
Auxiliary Power (Yes) X (No)
Make/Model Military Surplus (radio + couple of lig ts)
Type/Amount of Fuel Gascline 1-1/2 Gals
Any Added Capability
Portable Generators (Yes) (No)
Make/Model Wimco 3500 Watt on Fire Rescue Truck
Assist in Preparation of Notification Plan (Yes) (No)
NOTES .
Ambulance - 33.54
4 Officers have mobiles in personal vehicles
625-6411 Red Phone System - 1 nursing home - 1 Steel Co. (Mayhew)
5 in Officers' Homes

Mutual Aid with		Tri-State			K 4
Audible Devices	(Yes)	X		(No)	
Location(s)		9 William	ns Street	(F.S.)	
How Activated	Thru a	box (one of	£ 57) or fr	om Station,	
		n 3 Office			
Make/Model	Gamewe.	11 System			
Effective Range	Could	not be hea	rd within	10 mile zone	
Test Frequency	Every	day at no	on.		
Type of Tone	Air H	orn			
NOTES					
57 Boxes	throug	hout town			
Radio/TV	- Good	(Cable)			
NET+T	- Very	Reliable			
Elec.	- West	MA.			
				Tayon	
operation for the state of			a poster		

CIVIL DEFENSE		v		
E.O.C. (Yes)	_ (No)	^	<del>1</del>	
Location	_ Alternate E.	O.C. Loca	ations	
Emergency Warning Devices	at E.O.C. (Yes	)	(No)	
Radio Capability (Yes)	(No) _	х		
Telephones (Yes)	(No) _	х		
Auxiliary Power at E.O.C.	(Yes) Yes*	_ (No)		
Make/Model	Fu	el	Amount	
E.O.C. Manned by				
Notification Plan in Place Types For those families wit		(No		
NOTES *Proposing to use Fire S	tation.			
Chief Russell Scott - B		alarm syst	em.	6.552
- Franklin	-			

POPULATION 1500 DATE 7/31/80  AREA(SQ.MI.) 10 % IN EPZ: (5M  SEASONAL DEMOGRAPHICS: ESTIMATED POPULATION INCREASES: NO DURING MONTHS (WEEKS) OF:	MI) (10MI) X Vernon Rowe
SEASONAL DEMOGRAPHICS: ESTIMATED POPULATION INCREASES:NO	one (in 10M zone)
DURING MONTHS (WEEKS) OF:	
DURING MONTHS (WEEKS) OF:	
OURING MONTHS (WEEKS) OF:	
TYPE:	
MUNICIPAL OFFICIALS INTERVIEWED:	
NAME	POSITION
James Sturgeon	CD Director
Gerald Streeter	Fire Dispatcher
	-
NOTES:	
Approx. 100 people in each 10 MZ of Rowe a	and Vernon West (Rowe) Notification
thru F.D. via phone if no answer then do	
East (Vernon) Notification thru Police Ch	
CD Director states "not likely" all could	d be notifed within 15 minutes - also

	6 Hours of Operation As needed
ehicles 1 town, 3 Private	
idio Equipped	Frequency 39.16
	If funds Avail, Equip others
ortables	Pagers
chief'	s Home
ther Dept's Monitored Frankl	lin County Police Radio C.B.
elephone Lines	
uxiliary Power (Yes) (1	No)
ype/Amount of Fuel	
ny Added Capability	
	(No)
ake/Model	
ssist in Preparation of Noti	fication Plan (Yes) (No)
OTES	
	and the second of the second o
age records all calls	

Full Time 0 Part Time 25 Hours of Operation Volunteer
Vehicles 4 (6 Private Vehicles with Type 3 Fire,1 Ambulance
Radio Equipped 4 Frequency 33.54
P.A. Equipped 4 If funds Avail, Equip others
Portables 2 Pagers 1
Monitor Receivers in Officers Homes 16
Base Station Location 3-Fire Station - Chiefs Home - Streeters Texaco Station Franklin County Police
Other Dept's Monitored Greenfield Fire and Police - State Police C.
Telephone Lines (Red phone system)
Hot Lines None
Auxiliary Power (Yes) X (No)
Make/Model Unknown
Type/Amount of Fuel Gasoline - Provides Lights/Radio/Heat
Any Added Capability
Portable Generators (Yes) 1 (No)
Make/Model Truck mounted capable of 110V + 220V
Assist in Preparation of Notification Plan (Yes) X (No)
NOTES .
Red phone system - Phone rings at ten locations - First answered at Streeter's
Texaco - Using encoder opens receivers - sends message and blows both sirens.
Kendall Mfg. Co has receiver in maintenance division where 5 firemen are
employed who also respond.

FIRE DEPARTMENT	(CONTINUED)
Mutual Aid with	Tri State
Audible Devices	(Yes) 2 (No)
Location(s) 1	Fire Station
_ 2	Streeter's Texaco Station
How Activated _	Both by tone or manually
Make/Model	Unknown
Effective Range	Both - Good Day 5 miles
Test Frequency	Every Sat.at noon
	Siren
NOTES Kendall Mfg. Co h	as their own fire dept truck and internal alarm -
Company permits r	esponse to town needs.
Ambulance Sqd	12 Emerg. Med.Technicians have their own distinct tone
alert.	

		24.0			
.o.c. (Yes)					
ocation Fire	Station	_ Alternate	E.O.C. Lo	ations	
Emergency Warni	ng Devices	at E.J.C. (	(es)	(No)	
Radio Capabilit					
Telephones (Yes	s) X	(No)			
Auxiliary Power	at E.O.C.	(Yes) X	(No)		
Make/Model S	See Fire Dept.		Fuel	Amount	
E.O.C. Manned	y Town Of	ficials and De	pt Heads		
Types of Events					
Notification Pl	lan in Place	e (Yes) X	( N	0)	
Notification Pl					
Notification Pl					
TypesAll e					
	emergencies				
NOTES All e	emergencies				
NOTES All e	emergencies				
NOTES Radio-Good(WHAI 10	owers power in				
NOTES Radio-Good (WHAI 10	owers power in ailable				

TOWN Readsboro STAT	E_VI ID #
POPULATION 663 DATE 5/28	3/80 SOURCE
AREA(SQ.MI.) 48 % IN EPZ:	(5MI) X (10MI)
SEASONAL DEMOGRAPHICS:	
ESTIMATED POPULATION INCREASES:	None
DURING MONTHS (WEEKS) OF:	
LOCATION(S):	
TYPE:	
MUNICIPAL OFFICIALS INTERVIEWED	
	POSITION
NAME	POSITION
	Pina Milai
Willis Smith	Fire Chief
Rizieri Comai	and Police Chief 802-423-5454
Harry Kilbride	Town Constable
	_
NOTES:	
The Village of Readsboro is	an independent political entity within
the Town of Readsboro.	A company of the last of the l
	d make kanta in the production

Full Time 1 Part	Time O Hours of Operation Not Fixed
	Type Pickup Truck
	Frequency   460.375 + 460.500 VT State Police   155.070 Bennington Co. Sheriff
P.A. Equipped 1	If funds Avail, Equip others
Portables0	Pagers
Monitor Receivers in O	fficers Homes
Base Station Location	County System
Other Dept's Monitored	С.В.
Telephone Lines	802-423-5380
Hot Lines	None
Auxiliary Power (Yes)	
Make/Model	
Type/Amount of Fuel	
Any Added Capability _	
Portable Generators (Y	(No)
Make/Model	
Assist in Preparation	of Notification Plan (Yes) X (No)
NOTES	

			of Operation
Vehicles	4	Type	Fire Fighting
			154.01
			Avail, Equip others Yes 2.
			0
Monitor Receivers	s in Officers	Homes	
Base Station Loca	ation Wilmin	ngton VT Fire D	epartment
Other Dept's Mon:	itored Deerf	ield Valley Mut	ual Aid C.B.
Telephone Lines	802-4	23-5252	
Hot Lines	None		
Auxiliary Power	(Yes) (Yes)	No) X	
Make/Model			
Type/Amount of F	uel		
Any Added Capabi	lity		
Portable Generat Make/Model	1 5 KVA		)
Make/Model	2. 3.3 8.18		
Assist in Prepar	ation of Noti	fication Pla	n (Yes) X (No)
NOTES			
Red phone s	ystem - 4 locatio	ons.	fire in the second second
	varieties and the		

Mutual Aid with	Deerfield Valley M. A.
Audible Devices (Yes	s)1 (No)
Location(s)	Fire Station - Readsboro Village
How Activated	From Station
	From 4 Red Phones
Make/Model	M-10 Sentry
Effective Range *	Minimal Range
	Weekly
Type of Tone	Three Tone Siren
	Fire - Alert - Take Cover
NOTES	
No local radio	station.
TV - Boston-Alb	pany-Manch NH-Hartford CT
Phone - NET+T -	- Reliable

<sup>\*</sup>Alarm was sounded during my visit. The Constable by arrangement went to the donut shop on Main Street - less than a hundred yards away and barely heard the siren.

tion Elementary School gency Warning Devices at	Alternate E.O.C. I	
		ocations
gency Warning Devices at		
		(No)
o Capability (Yes)	(No) <u>X</u>	
phones (Yes) X	(No)	
liary Power at E.O.C. (Y	(No	o) <u>x</u>
/Model	Fuel	Amount
C. Manned by CD Staff a	and Selectment	
s of Events Covered A	(Yes) X Draft	
:s		

TOWN	Whitin	gham		STATE_	VI		_ ID #_		
POPULATIO	ON	1200	DATE	6/19/8	30	SOU	RCE		
							(10MI)_		
EASONAL	DEMOG	RAPHICS	3:						
ESTIMATE	POPU	LATION	INCREA	ASES:_		_			
DURING MO	ONTHS	(WEEKS)	OF:_						
LOCATION	(S):								
TYPE: Sa	idawga	Pond - 20	Cottag	es Wint	er + Su	mmer ·	- 50 People	2	
La	urel L	ake - 10	/12 Cott	ages Sur	nmer	i i i		Hill	
								44-67	
MUNICIPA	L OFF	CIALS	INTERV	IEWED:					
	NAME	8					POSITIO	ON	
Robert	Murdoc	k			CI	D and	Fire Chie	<u>f</u>	
Joel Be	etit				Co	nstab	le	*	-
					, t.,				
NOTES:									
	The Tow	n of Whi	tingham	include	s the V	Villag	e of Jacks	onville.	The
							c Power Con		With the Party of
	service	the Vil	Lage.	41, 50	14				and the last
-									
			t la part						

Full Time 0	1	Two are Troopers Hours	of Operation	3p-5:30a available	
Vehicles Per	rsonal	Type	Convertible		
Radio Equipped _	1	Frequency	460.475 460.500	SP	
P.A. Equipped					
Portables					
Monitor Receiver					
Base Station Loc	ationStat	e Police			
Other Dept's Mon	itored				№ С.В.
Telephone Lines	Home 7	SP 254	4-2382		
Hot Lines	No				
Auxiliary Power		No)			
Make/Model			OW W		
pe/Amount of H		(.asoline ·	- 1 Gal		
Any Added Capabi	lity				
Portable Generat	cors (Yes)	(No	)		
Make/Model					
Assist in Prepar	ration of Noti	fication Pla	n (Yes)	(No) _	
NOTES					
ex April					
				August Markey A	
N. C.					
		1/24 4			

Full Time 0 F	art Time 30	Hours of	Operation As Requ	ired
Vehicles		Type 2 Pumpers	Tanker-Util. Trk-Brusi	n Trk.
Radio Equipped		Frequency	154.010 Deerfield	
P.A. Equipped	)	If funds Ava	il, Equip others	3
Portables				
Monitor Receivers	in Officers H	iomes	30	
Base Station Locat	ion Corkins	Road, Whitingham	•	N.
Other Dept's Monit				No C.B.
Telephone Lines				
Hot Lines	Dad Phor	ne System		
Auxiliary Power (Y		a) X		
Make/Model				
Type/Amount of Fue				
Any Added Capabil:	.ty	Rescue Tr	k.Chief's House	
Portable Generato				
Make/Model Homelit	enerac e 2500W	Pro	pane >25 lbs.	-
		CHART	(11-2)	,
Assist in Prepara	tion of Notif	ication Plan	(Yes) _X (NO	'
NOTES				
	Phone System (9	9) Selected Fire	+ Ambulance	Yarana
-			vate a tone + Transmit	E I Fail
message over	Deerfield Valley	y System.		

Mutual Aid with	Deerfield Valley
	(Yes) 2 (No)
Location(s)	1 - Roof of Business across Street-Jacksonville
	1 - F.S. Whitingham
How Activated _	By Pull
Make/Model	Antiques
Effective Range	1 mile at most
Test Frequency	Couple times a year
Type of Tone	Wailing
NOTES	

CIVIL DEFENSE
E.O.C. (Yes) X (No)
Location Will be at F.3. Alternate E.O.C. Locations
Emergency Warning Devices at E.O.C. (Yes) Same as F.D(No)
Same as F.D.  Radio Capability (Yes) (No)
Telephones (Yes) (No)
Auxiliary Power at E.O.C. (Yes) (No)
Make/Model Fuel Amount
E.O.C. Manned by
Types of Events Covered
Notification Plan in Place (Yes) (No) X
Types Just getting started on plan.
NOTES
NET+T
Local radio good during day only.
TV - Cable.
Highway Department: 7 vehicles 153.845
Power Company - Village of Jacksonville
Vermont Electric - Johnson, VT

TOWN *Halifax	STATE	* 1	_ ID #	
POPULATION 458	DATE 8/22	SOUR	RCE	
AREA(SQ.MI.)	% IN EPZ: (5	MI)	(10MI) X	Vernon Rowe
SEASONAL DEMOGRAPHICS	:			
ESTIMATED POPULATION	INCREASES:			
DURING MONTHS (WEEKS)	OF: Summer			
LOCATION(S):				
TYPE: 500 Summer reside	ents spread thro	ughout town		
WINTERDAY OPPRETATE T	NAME DIVI PURED.			
MUNICIPAL OFFICIALS I	NTERVIEWED:		DOCUMENT	
NAME	NTERVIEWED:	cno/	POSITION	
NAME Thomas Rafus	NTERVIEWED:	coor		
NAME Thomas Rafus Al Corey	NTERVIEWED:	Police	Chief	
NAME Thomas Rafus	NTERVIEWED:		Chief	
NAME Thomas Rafus Al Corey	NTERVIEWED:	Police	Chief	
NAME Thomas Rafus Al Corey	NTERVIEWED:	Police	Chief	
NAME Thomas Rafus Al Corey	NTERVIEWED:	Police	Chief	
NAME Thomas Rafus Al Corey	NTERVIEWED:	Police	Chief	
NAME Thomas Rafus Al Corey	NTERVIEWED:	Police	Chief	
NAME Thomas Rafus Al Corey Wayne Courser		Police	Chief	
NAME Thomas Rafus Al Corey Wayne Courser	×	Police	Chief	

Vehicles 1 Personal Vehicl	e Type Sedan
	460,475 (whed) Frequency 460,500
	Property If funds Avail, Equip others
	Pagers 0
	icers Homes
Base Station Location	
Other Dept's Monitored	Fire/Rescue/State Police C.=.
Telephone Lines _	Chief's Home
Hot Lines None	
Auxiliary Power (Yes)	(No) X
Make/Model	
Type/Amount of Fuel	
Any Added Capability	
Portable Generators (Yes	(No)
Make/Model	
Assist in Preparation of	Notification Plan (Yes) (No) X
NOTES	

ehicles 5		Type Fire Fighting	
adio Equipped		Frequency Deefield Valley; Tri Sta	
.A. Equipped	0	If funds Avail, Equip others	No
ortables	2	Pagers 0	
Conitor Receivers	in Officers	Homes 8	
		Home; Capt's Home	
ther Dept's Moni	tored Dee	rfield Valley and Tri State	С.В.
Celephone Lines			
Not Lines			
Auxiliary Power (		No) X	
Make/Model			
Type/Amount of Fu	el		
Any Added Capabil	ity		
Portable Generato	rs (Yes)	X (No)	
Make/Model Dayton	2500 Watt Gaso	line - 5 gals.	
Assist in Prepara	tion of Noti	ification Plan (Yes) (No)	
NOTES			
Red Phone (5) loc	ations: Fire Hou	se - Chief's House - Capt. Town Clark -	Fireman'
Home - Siren mayb	e activated fro	m any phone.	

Mutual Aid with Tri State and Deefield Valley Mutual Aid	
Audible Devices (Yes) X (No)	
Location(s) Fire Station	
How Activated *Red Phones	
Make/Model 3% HP Make/Model Unkn.	
Effective Range Good Day 3 Miles	
Test Frequency Weekly; Sunday 12:30 P	
Type of Tone Siren	
NOTES  Phone - NET+T Reliable	
Elec Vermont Elect.	
Radio - Good	
TV - Pretty Good	

<sup>\*</sup> Not operable manually from Fire Station - except by station Red Phone (locked in station).

	(Yes)	(No)	tions (No)	-	
(Yes)	(Yes) _ No) No) Fuel	(No) _	_ (No)	)	
(Yes)	No) No) Fuel	(No) _			
(Yes)	No)	(No) _		-	2
(Yes)	Fuel	(No) _			
	Fuel				
			Аточ		
		4-1			
		(Yes)	(Yes)(No)	(Yes) (No) X	(Yes) (No) X

DURING MONTHS (WEEKS) OF:  LOCATION(S):  MUNICIPAL OFFICIALS INTERVIEWED:  NAME  Sonia Delury  Acostinho Fernandes Jr.  John B, Willard Jr.  Clarence (Buzzy) Towne  Asst. Fire Chief	TOWN Wilmington STATE	VT ID #
SEASONAL DEMOGRAPHICS: ESTIMATED POPULATION INCREASES:  DURING MONTHS (WEEKS) OF:  LOCATION(S):  TYPE:  MUNICIPAL OFFICIALS INTERVIEWED:  NAME  POSITION  Sonia Delury  Agostinho Fernandes Jr.  John 3, Willard Jr.  Clarence (Buzzy) Towne  Asst. Fire Chief	POPULATION 1800 DATE 6/4/80	8/5/8cc DURCE
DURING MONTHS (WEEKS) OF:  LOCATION(S):  MUNICIPAL OFFICIALS INTERVIEWED:  NAME  Sonia Delury  Acostinho Fernandes Jr.  John B, Willard Jr.  Clarence (Buzzy) Towne  Asst. Fire Chief	AREA(SQ.MI.) 26624 Acers% IN EPZ: (5	5MI) (10MI) X Rowe
DURING MONTHS (WEEKS) OF:  LOCATION(S):  MUNICIPAL OFFICIALS INTERVIEWED:  NAME  Sonia Delury  Acostinho Fernandes Jr.  John B, Willard Jr.  Clarence (Buzzy) Towne  Asst. Fire Chief		
DURING MONTHS (WEEKS) OF:  LOCATION(S):  MUNICIPAL OFFICIALS INTERVIEWED:  NAME  POSITION  Sonia Delury  Agostinho Fernandes Jr.  John B, Willard Jr.  Clarence (Buzzy) Towne  Asst. Fire Chief	SEASONAL DEMOGRAPHICS:	
MUNICIPAL OFFICIALS INTERVIEWED:  NAME  Sonia Delury  Agostinho Fernandes Jr.  John B, Willard Jr.  Clarence (Buzzy) Towne  Asst. Fire Chief	ESTIMATED POPULATION INCREASES:	
MUNICIPAL OFFICIALS INTERVIEWED:  NAME  Sonia Delury  Agostinho Fernandes Jr.  John B. Willard Jr.  Clarence (Buzzy) Towne  Asst. Fire Chief	DURING MONTHS (WEEKS) OF:	
MUNICIPAL OFFICIALS INTERVIEWED:  NAME  Sonia Delury  Agostinho Fernandes Jr.  John B. Willard Jr.  Clarence (Buzzy) Towne  Asst. Fire Chief	LOCATION(S):	
NAME POSITION  Sonia Delury Town Manager  Agostinho Fernandes Jr. Police Chief  John B. Willard Jr. Fire Chief  Clarence (Buzzy) Towne Asst. Fire Chief	TYPE:	
NAME POSITION  Sonia Delury Town Manager  Agostinho Fernandes Jr. Police Chief  John B. Willard Jr. Fire Chief  Clarence (Buzzy) Towne Asst. Fire Chief		
NAME POSITION  Sonia Delury Town Manager  Agostinho Fernandes Jr. Police Chief  John B. Willard Jr. Fire Chief  Clarence (Buzzy) Towne Asst. Fire Chief		
NAME POSITION  Sonia Delury Town Manager  Agostinho Fernandes Jr. Police Chief  John B. Willard Jr. Fire Chief  Clarence (Buzzy) Towne Asst. Fire Chief		
NAME POSITION  Sonia Delury Town Manager  Agostinho Fernandes Jr. Police Chief  John B. Willard Jr. Fire Chief  Clarence (Buzzy) Towne Asst. Fire Chief	MINICIPAL OFFICIALS INTERVIEWED.	
Sonia Delury  Agostinho Fernandes Jr.  John B. Willard Jr.  Clarence (Buzzy) Towne  Town Manager  Police Chief  Fire Chief  Asst. Fire Chief		DOCTOR
Agostinho Fernandes Jr. Police Chief  John B. Willard Jr. Fire Chief  Clarence (Buzzv) Towne Asst. Fire Chief		
John B. Willard Jr. Fire Chief  Clarence (Buzzv) Towne Asst. Fire Chief	Sonia Delury	
Clarence (Buzzv) Towne Asst. Fire Chief		
	John B. Willard Jr.	Fire Chief
NOTES:	Clarence (Buzzy) Towne	Asst. Fire Chief
NOTES:		
NOTES:		
NOTES:		
	NOTES:	

### POLICE DEPARTMENT

Full Time 4 Part Time 2	Hours of Operation 8A-3A
Vehicles 2	Type 1 Sedan; 1 Four Wheel Drive
	Frequency 460.475 + 460.500 Town Highway Dept 45.48  If funds Avail, Equip others
	Pagers
Monitor Receivers in Officers E	iomes
Base Station Location Police Dep	t T/D Monit
Other Dept's Monitored	T/R Monit C.B.
Telephone Lines Two	
Hot Lines None	
Auxiliary Power (Yes) X (No	0)
Make/Model ONAN	
Type/Amount of Fuel LPG 2 100	16 tanks
Portable Generators (Yes)	(No)
Make/Model	
Assist in Preparation of Notif	ication Plan (Yes) (No)
NOTES	
Police operate base on Highway Dept	. Radio System 45.48 with nine vehicles.
Police answer fire phone calls 8A-6	P and sound alarm via red phone system.

### FIRE DEPARTMENT

	36 Hours of Operation Volunteer  Type Fire Fighting
	Type Fire Fighting 154.01 Fire
adio Equipped 4	Frequency 45.48 Town Public Works
	If funds Avail, Equip others Yes
ortables	Pagers 27
onitor Receivers in Officers	
ase Station Location Fire St	ation
ther Dept's Monitored Southw	estern Mutual Aid C.B.
elephone Lines	
ot Lines None	
uxiliary Power (Yes)	(No) X
Make/Model	
Type/Amount of Fuel	
Portable Generators (Yes)	2 (No)  Itly installed on Rescue Truck- Gasoline  Redice and Couple of Lights - Gasoline
1. 4500 Watt permanen Make/Model 2. 3750 Watt Portable	e - will operate Radios and Couple of Lights - Gasolin
Assist in Preparation of Not	ification Plan (Yes) (No)
NOTES	
Red phone system - instruments	located Fire Chiefs Home - Fire Dept
Police Dept. and five fire fight	ter's homes. Each location can activate siren.

# Mutual Aid with \_\_\_\_\_ Deerfield Valley Mutual Aid \_\_\_\_\_ Audible Devices (Yes) \_\_\_\_ 1 \_\_\_\_ (No) \_\_\_\_\_ Location(s) \_\_\_ Roof of Drug Store - Center of Town \_\_\_\_\_ How Activated \_\_\_ Eight Red Phone Locations

1960		
Make/Model	Federal (10 yrs old)	_

Effective	Range	Good Day 4/5 miles

Test Frequency	Daily 12:30 PM
The second	
Type of Tone	Siren

TES				
			district.	

CIVIL DEFENSE
E.O.C. (Yes) X (No)
Location Police Station Alternate E.O.C. Locations
Emergency Warning Devices at E.O.C. (Yes) (No)
Radio Capability (Yes) X (No)
Telephones (Yes) X (No)
Auxiliary Power at E.O.C. (Yes) X (No)
Make/Model See Police Dept. Fuel Amount
E.O.C. Manned by Town Officials - Department Heads
Types of Events Covered Will cover all emergencies
Notification Plan in Place (Yes) (No) X
Types Will cover all emergencies
NOTES
Emergency Plan being prepared.
Phone - NET+T-Reliable

COWN Stamford	STATE_ VI		ID #		-
OPULATION 750 DATE	7/7/80	SOURCE			
REA(SQ.MI.) 6 % IN Estimated 90% of town within				Х	Row
SEASONAL DEMOGRAPHICS:					
STIMATED POPULATION INCRE	ASES: None				
OURING MONTHS (WEEKS) OF:_					
LOCATION(S):					
TYPE:				N STATE OF STATE	
MUNICIPAL OFFICIALS INTERV					
	TEMED:				
NAME	IEWED:	2	OSITION		
		Selectman ·	- Act. CI		tor
NAME			- Act. CI		tor
NAME Floyd Lesure		Selectman ·	- Act. CI		tor
NAME Floyd Lesure		Selectman ·	- Act. CI		tor
NAME Floyd Lesure		Selectman ·	- Act. CI		tor
NAME Floyd Lesure		Selectman ·	- Act. CI		tor
NAME Floyd Lesure Robert Costine		Selectman ·	- Act. CI		tor
NAME Floyd Lesure Robert Costine		Selectman ·	- Act. CI		tor
NAME Floyd Lesure Robert Costine		Selectman ·	- Act. CI		tor
NAME Floyd Lesure Robert Costine		Selectman ·	- Act. CI		tor
NAME Floyd Lesure		Selectman ·	- Act. CI		tor
NAME Floyd Lesure Robert Costine		Selectman ·	- Act. CI		tor

### POLICE DEPARTMENT

Full Time 0 Part Time 1	Hours of Operation As required
Vehicles Personal	Type 4 Wheel Dr. Chev. Wgn.
Radio Equipped No	Frequency
P.A. Equipped No	If funds Avail, Equip others
Portables	Pagers
Monitor Receivers in Officers E	iomes Scanner
Base Station Location N/A	
Other Dept's MonitoredFire	- No. Adams P.D. C.B.
Telephone Lines	
Hot Lines	
Auxiliary Power (Yes) (No	o) <u>x</u>
Make/Model	
Type/Amount of Fuel	
Any Added Capability	
Portable Generators (Yes)	(No)
Make/Model	
Assist in Preparation of Notifi	ication Plan (Yes) (No)
NOTES	
Albert Mangrow, Chief	
Not interviewed - reported to b	e 70 yrs. of age and inactive.

### FIRE DEPARTMENT

Full Time	Part Time 2	5 Hours of Operation Voluntary
Vehicles	2-1	Type   Pumper - 1 Tanker
Radio Equipped _	2	Frequency 154.310 BCMA
P.A. Equipped	1	If funds Avail, Equip others Yes
Portables	2	Pagers 6
Monitor Receiver	s in Officers	Homes 12
Base Station Loc	ation Stebins	Rd. + Remote at Fire Operator
Other Dept's Mon	itored N	C.B.
Telephone Lines	Black 69	94-1361 (6 Red Phones 694-1314)
Hot Lines		
Type/Amount of E Any Added Capabi Portable Generat Make/Model	O Watts (Portable Fuel Gasc Light tors (Yes)	e in Station) Wisconsin Engine  oline - 2 Gals +  hts for Building + Radio  X (No)
NOTES		
6 Red Phone	s - Fire/Police	Personnel - Store - Fire Operator

### FIRE DEPARTMENT (CONTINUED)

Mutual Aid with	Berkshire County
Audible Devices	(Yes) X (No)
Location(s)	Roof of Fire Station
How Activated	Any red phone or from Station
Make/Model Looks	like Federal - 8 years old
12 Co	ne Omni directional
Effective Range	Good day North-South 4 miles
	East-West 1 mile
Test Frequency _	Monthly, Monday 8 P.M., 1st Monday of month
Type of Tone	Siren - Covers 70% of the Town
NOTES	
NET+T (No.	Adams) Reliable
AM/FM (No.	Adams) Good until 10 P.M.
TV	Channel 19 Albany (via Mt. Greylock)
Elec.	Green Mtn. Power (Wilmington)

IVIL DEFENSE				
.o.c. (Yes) X (No)				
Location Town Office Alter	nate E.O.	.C. Loca	tions	
Emergency Warning Devices at E.O.	.C. (Yes)		(No) _	Х
Radio Capability (Yes)	(No)	Х		
Telephones (Yes) X				
Auxiliary Power at E.O.C. (Yes)				
Make/Model				
E.O.C. Manned by				
		HT IL		
Notification Plan in Place (Yes) Types				
NOTES No CD Director				
	-51. 2.0			
		-		

POPULATION 80	-		- , Y 0	owe
AREA(SQ.MI.)	- % IN EPZ: (5M	(10M	(1)	UNC
SEASONAL DEMOGRAPHICS				
ESTIMATED POPULATION				
OURING MONTHS (WEEKS	OF: Summer			
LOCATION(S): Summer	Camps Approx. 50			
TYPE:				
MUNICIPAL OFFICIALS	TNMERVIEWED:			
	111111111111111111111111111111111111111	POSI	TION	
NAME				
Merton Rice		Selectman Cha		
Merton Rice		Selectman Char		
Merton Rice  NOTES:		Selectman Char		
Merton Rice  NOTES:		Selectman Char		
Merton Rice		Selectman Char		

### POLICE DEPARTMENT

Full Time O Part Time _	2 Hours of Operation as needed
Vehicles <u>Personal</u>	Type
Radio Equipped 0	Frequency 0
P.A. Equipped	If funds Avail, Equip others
Portables	Pagers
Monitor Receivers in Officers	Homes
Other Dept's Monitored	С.В
Telephone Lines	
Hot Lines	
Auxiliary Power (Yes)	(No)
Make/Model	
Type/Amount of Fuel	
Any Added Capability	
Portable Generators (Yes)	(No)
Make/Model	
Assist in Preparation of Not:	ification Plan (Yes) (No)
NOTES	

### FIRE DEPARTMENT

Ful	ll Time _ O Part Time	Hours of Operation
Vel	nicles	Type
Ra	dio Equipped	Frequency
P.,	A. Equipped	If funds Avail, Equip others
Po	rtables	Pagers
		Homes
Ва	se Station Location	
Qt	her Dept's Monitored	С.В.
	exiliary Power (Yes)(N	
Ma	ake/Model	
Ty	rpe/Amount of Fuel	
Aı	ny Added Capability	
Po	ortable Generators (Yes)	(No)
м	ake/Model	
		fication Plan (Yes) (No)
N	OTES	
	Wilmington Fire Dept. handles at	fee of \$500 anually.
Same of the same		
•		

### Mutual Aid with Audible Devices (Yes) None (No) Location(s) How Activated Make/Model .... Effective Range Test Frequency Type of Tone NOTES

FIRE DEPARTMENT (CONTINUED)

	(No)
Location	Alternate E.O.C. Locations
Emergency Warning Devices	at E.O.C. (Yes) (No)
Radio Capability (Yes)	(No)
Telephones (Yes)	(No)
Auxiliary Power at E.O.C.	(Yes)(No)
Make/Model	Fuel Amount
E.O.C. Manned by	
Types of Events Covered	
Types of Events Covered _  Notification Plan in Place  Types  NOTES	ce (Yes) (No) X
Types of Events Covered _  Notification Plan in Place  Types  NOTES	ce (Yes) (No) X
Types of Events Covered _  Notification Plan in Place  Types  NOTES	ce (Yes) (No) X
Types of Events Covered	ce (Yes) (No) X
Types of Events Covered	ce (Yes) (No) X

Recreational Areas - Vernon

NAME Pauswacad Meadow Northfield	
AGENCY RESPONSIBLE same	Ramp
PERSON RESPONSIBLE Charles Alden	TITLE
MAIN ACCESS ROUTE(S) Rt. 63	
TELEPHONES	PUBLIC/PAY AGENCY
NUMBERS	
AGENCY PHONE	HOURS COVERED
RADIO COMMUNICATIONS AT SITE (	) YES ( x ) NO
FREQUENCIES	
OTHER EMERGENCY COMMUNICATIONS _	
SITE USAGE BACK PACKING	SWIMMING CAMPING SKIING
MONTHS/WEEKS IN USE	ly
AVERAGE POPULATION OF SITE	
PUBLIC ADDRESS SYSTEM AT SITE (	) YES ( x ) NO
AUXILIARY POWER ( ) YES ( x	) NO
MAKE/MODEL	
TYPE/AMONT FUEL	

NAME Gill Boat Ramp	LOCATION Gill
AGENCY RESPONSIBLEsame	
PERSON RESPONSIBLE Roland Levielle	TITLE
MAIN ACCESS ROUTE(S) Rt. 2	
TELEPHONES ==	PUBLIC/PAY AGENCY
NUMBERS	
AGENCY PHONE	HOURS COVERED
RADIO COMMUNICATIONS AT SITE ( )	YES ( x ) NO
FREQUENCIES	
OTHER EMERGENCY COMMUNICATIONS	
SITE USAGE BACK PACKING	SWIMMING CAMPING SKIING
MONTHS/WEEKS IN USESummer	
AVERAGE POPULATION OF SITE	
PUBLIC ADDRESS SYSTEM AT SITE (	) YES ( x ) NO
AUXILIARY POWER ( ) YES ( x )	NO NO
MAKE/MODEL	
TYPE/AMONT FUEL	

NAME _ Greenfield Skatin	g Rink LOCATION Greenfield
AGENCY RESPONSIBLEsa	une
PERSON RESPONSIBLE ALE	oin Korlinski TITLE
MAIN ACCESS ROUTE(S) RE	
TELEPHONES	PUBLIC/PAY Yes AGENCY
NUMBERS (413) 772-	그 것이 하는 그는 그들이 있는 것이 되는 사람이 가장 하지만 하지 않는데 하는데 하셨다며 있었다.
AGENCY PHONE	HOURS COVERED
RADIO COMMUNICATIONS AT	SITE ( ) YES ( x ) NO
FREQUENCIES	
OTHER EMERGENCY COMMUNI	ICATIONS
SITE USAGE BACK PACK	ING SWIMMING CAMPING SKIING
MONTHS/WEEKS IN USE	Oct - Apr normally - some summer
AVERAGE POPULATION OF	SITE Approx 1,000
PUBLIC ADDRESS SYSTEM	AT SITE ( X ) YES ( ) NO
AUXILIARY POWER ( )	YES ( x ) NO
MAKE/MODEL	
TYPE/AMONT FUEL	

NAME Mt. Grace State Forest	LOCATION Warwick, MA	
AGENCY RESPONSIBLE same		E SHIPPER HEREIT
PERSON RESPONSIBLE Charles	Alden TITLE	
TELEPHONES Private	PUBLIC/PAY AGE	NCY
NUMBERS (617) 544-747	4	
AGENCY PHONE	HOURS COVERED	
RADIO COMMUNICATIONS AT SI	TE ( ) YES ( x ) NO	
FREQUENCIES		
OTHER EMERGENCY COMMUNICAT		
SITE USAGE BACK PACKING	SWIMMING CAMPING	SKIING
MONTHS/WEEKS IN USE Year	ar Round -	
AVERAGE POPULATION OF SITE	500 (summer) 500 (winter	
PUBLIC ADDRESS SYSTEM AT S	ITE ( ) YES ( x ) NO	
AUXILIARY POWER ( ) YES	( x ) NO	
MAKE/MODEL		
TYPE/AMONT FUEL		

## NAME Northfield State Forest LOCATION Northfield

AGENCY RESPONSIBLE	
PERSON RESPONSIBLE Charles Alden TITLE	
MAIN ACCESS ROUTE(S) Quarry Road	
TELEPHONES PUBLIC/PAY AGENCY	
NUMBERS	
AGENCY PHONE HOURS COVERED	
RADIO COMMUNICATIONS AT SITE ( ) YES ( ) NO FREQUENCIES	
OTHER EMERGENCY COMMUNICATIONS	
SITE USAGE BACK PACKINGSWIMMINGCAMPING	
MONTHS/WEEKS IN USE	-
AVERAGE POPULATION OF SITE Max of 20 (hunters, snowmobiling, hikers	)
PUBLIC ADDRESS SYSTEM AT SITE ( ) YES ( ) NO	
AUXILIARY POWER ( ) YES ( ) NO	
MAKE/MODEL .	
TYPE/AMONT FUEL	

open piece of land

RECREATIONAL AREAS:				
NAMECook St. Forest		LOCATION COL	rain & Heath	
AGENCY RESPONSIBLE	Same			
PERSON RESPONSIBLE ROG	er Ward	TITLE	and the same	
MAIN ACCESS ROUTE(S) RE				The state of the s
TELEPHONES	PUBLIC	/PAY	AGENCY	
NUMBERS				
AGENCY PHONE		HOURS COVERED		
RADIO COMMUNICATIONS A	T SITE ( ) YES	( x ) NO		
FREQUENCIES				
OTHER EMERGENCY COMMUN	ICATIONS			
SITE USAGE BACK PACK	ng X - Fishing INGSWIMMI	NG C	AMPING	SKIING
MONTHS/WEEKS IN USE				
AVERAGE POPULATION OF	SITE 20 at 1	est		
PUBLIC ADDRESS SYSTEM	AT SITE ( ) YES	( x ) NO		
AUXILIARY POWER ( )	YES ( x ) NO			
MAKE/MODEL				

Daytime use Main Road isn't plowed in winter

TYPE/AMONT FUEL

												-	-	-	
~	m	~	2	•	*	~	۳	CA	IAL	. ,		15	Α	C	*
×	*		ж	75.	ж	- 1	1	UP	EMIL		٠,٣		м	2	- 2

NAME Catamount State Forest	LOCATION	Colbrain, MA	
AGENCY RESPONSIBLE			
PERSON RESPONSIBLE Roger Ward	TITLE		
MAIN ACCESS ROUTE(S) Rt. 2 & 112			
TELEPHONES	PUBLIC/PAY	AGENCY	
NUMBERS			
AGENCY PHONE			
RADIO COMMUNICATIONS AT SITE (			
FREQUENCIES			
OTHER EMERGENCY COMMUNICATIONS _			
SITE USAGE BACK PACKING	SWIMMING	CAMPING	SKIING
MONTHS/WEEKS IN USE Year Ro	unt - snowmobiling	in winter bigges	t use
AVERAGE POPULATION OF SITE	75 (summer) 75	(winter)	
PUBLIC ADDRESS SYSTEM AT SITE (	) YES ( x )	NO	
AUXILIARY POWER ( ) YES (	x ) NO		
MAKE/MODEL			
TYPE/AMONT FUEL			

Passive Recreation - Day use - picnicking
No communications at all
visited -3 times a week, policing only

RECREATIONAL AREAS:			
NAME Bear Swamp Vistors Center	LOCATIO	ON	
AGENCY RESPONSIBLE Yankee Atomic	- N.E. Utilitie	s	
PERSON RESPONSIBLE	TITLE	alika emili sara en	
MAIN ACCESS ROUTE(S)			
TELEPHONES			
NUMBERS 663-9204	المحمد كالمخدم		
AGENCY PHONE	HOURS	COVERED	
RADIO COMMUNICATIONS AT SITE (	) YES (	) NO	
FREQUENCIES			
OTHER EMERGENCY COMMUNICATIONS _			
SITE USAGE BACK PACKING	SWIMMING.	CAMPING	SKIING
MONTHS/WEEKS IN USE Seasonal -	Summer		
AVERAGE POPULATION OF SITE			
PUBLIC ADDRESS SYSTEM AT SITE (	) YES (	) NO	
AUXILIARY POWER ( ) YES (	) NO		
MAKE/MODEL			
TYPE AMONT FILE			

NAME Chesterfield Garge St. Park	LOCATION	N Chesterfield N.H	. (Spofford, N.)
AGENCY RESPONSIBLE Division of	Forest & Lands		
PERSON RESPONSIBLE Theodore Mil	lerTITLE _		
MAIN ACCESS ROUTE(S) Route 9			
TELEPHONES None	PUBLIC/PAY	AGENCY	· · · · · · · · · · · · · · · · · · ·
NUMBERS			
AGENCY PHONE _ LHome Pho	ne) HOURS C	OVERED Thurs Mo	n. (June to Oct.
RADIO COMMUNICATIONS AT SITE (	) YES ( x )	NO	
FREQUENCIES			
OTHER EMERGENCY COMMUNICATIONS	CANADA CONTRACTOR OF THE PROPERTY OF THE PROPE		
SITE USAGE BACK PACKING	Scenic walk SWIMMING	CAMPING	SKIING

MONTHS/WEEKS IN USE Holiday weekends - summer

PUBLIC ADDRESS SYSTEM AT SITE ( ) YES ( x ) NO

Size of Park - 15 acres

TYPE/AMONT FUEL

AVERAGE POPULATION OF SITE

AUXILIARY POWER ( ) YES ( x) NO

MAKE/MODEL \_\_\_\_

RECREATIONAL AREAS:
NAME Pierce Island (on Spofford Lake) LOCATION Chesterfield
AGENCY RESPONSIBLE
PERSON RESPONSIBLE _ Cecil Parker _ TITLE
MAIN ACCESS ROUTE(S) Boat (near route 63 & rout 9)
TELEPHONES None PUBLIC/PAY AGENCY
NUMBERS
AGENCY PHONE _ (Home phone) HOURS COVERED
RADIO COMMUNICATIONS AT SITE ( ) YES ( x ) NO
FREQUENCIES
OTHER EMERGENCY COMMUNICATIONS None
SITE USAGE BACK PACKING SWIMMING CAMPING SKIING
MONTHS/WEEKS IN USE Summer (closed to public except for picnics)
AVERAGE POPULATION OF SITEunknown (small)
PUBLIC ADDRESS SYSTEM AT SITE ( ) YES ( x ) NO
AUXILIARY POWER ( ) YES ( X ) NO
MAKE/MODEL
TYPE/AMONT FUEL

Size of Island - 5 acres

N F A	 	MALAI	A PS	P A !	e .
		UNAL	MK	EA!	5:

NAME Pisçah Wilderness St. Parks LOCATION Winchester, Hinsdale, Chesterfi
AGENCY RESPONSIBLE Division of Lands and Forest
PERSON RESPONSIBLE _ Cecil Parker _ TITLE
MAIN ACCESS ROUTE(S) Route 63 Route 119
TELEPHONES None PUBLIC/PAY AGENCY
RUMBERS
AGENCY PHONE (Home phone) HOURS COVERED
RADIO COMMUNICATIONS AT SITE ( ) YES ( ) NO
FREQUENCIES N.H. Fish & Game for Rescue or Search
OTHER EMERGENCY COMMUNICATIONS None
SITE USAGE BACK PACKING X SWIMMING X CAMPING no SKIING X
MONTHS/WEEKS IN USE
AVERAGE POPULATION OF SITE Not Known
PUBLIC ADDRESS SYSTEM AT SITE ( ) YES ( x ) NO
AUXILIARY POWER ( ) YES ( x ) NO
MAKE/MODEL
TYPE/AMONT FUEL
Size of Park 12,140 acres

RECREATIONAL AREAS:
NAME Wantastiquet Mt. St. Forest LOCATION Hinsdale, Chesterfield N. H.
AGENCY RESPONSIBLE _ Division of Lands and Forest
PERSON RESPONSIBLE _ Cecil Parker _ TITLE
MAIN ACCESS ROUTE(S) Route 119
TELEPHONES None PUBLIC/PAY AGENCY
NUMBERS
AGENCY PHONE 5 L(Home phone) HOURS COVERED
RADIO COMMUNICATIONS AT SITE ( ) YES ( x ) NO
FREQUENCIES
OTHER EMERGENCY COMMUNICATIONS
OTHER EMERGENCY COMMUNICATIONS  Hiking-Hunting  SITE USAGE BACK PACKING SWIMMING CAMPING SKIING
MONTHS/WEEKS IN USE Summer - Foliage Season
AVERAGE POPULATION OF SITE unknown
PUBLIC ADDRESS SYSTEM AT SITE ( ) YES ( x ) NO
AUXILIARY POWER ( ) YES ( x ) NO
MAKE/MODEL
TYPE/AMONT FUEL

Size of Forest - 907 acres

RECREATIONAL AREAS:	Dummers ton 13 A
NAME Outton Pines	LOCATION Dummers ton AREA SQ. MILE
AGENCY RESPONSIBLE Dept of I	Forest, Parks and Recreation
PERSON RESPONSIBLERuth Worder	n TITLE Ranger
MAIN ACCESS ROUTE(S)oute 5	
TELEPHONES	PUBLIC/PAY None AGENCY X
NUMBER (	PUBLIC/PAY None AGENCY X
AGENCY PHONE	HOURS COVERED 24 hours (summer only)
	E ( ) YES ( X ) NO
FREQUENCIES	
OTHER EMERGENCY COMMUNICATION	ONS None
SITE USAGE PACKING -	XSWIMMINGCAMPINGSKIING
MONTHS/WEEKS IN USE Memoria	al Day thru Labor Day
AVERAGE POPULATION OF SITE	
PUBLIC ADDRESS SYSTEM AT SI	TE ( ) YES ( X ) NO
AUXILIARY POWER ( ) YES	
MAKE/MODEL	
TYPE/AMONT FUEL	

RECREATIONAL AREAS:	217 A.
NAME Fort Dummer State Park LOCATION	
AGENCY RESPONSIBLE Dept of Forest, Parks and Recreati	on
PERSON RESPONSIBLE Don Squire TITLE Park R	anger
MAIN ACCESS ROUTE(S) Route 5	
TELEPHONES PUBLIC/PAYX	AGENCY
NUMBERS	
AGENCY PHONE 802-254-2610 HOURS COVERED	
FREQUENCIES CH 7 and 11	
OTHER EMERGENCY COMMUNICATIONS None	
SITE USAGE BACK PACKING X SWIMMING C MONTHS/WEEKS IN USE Memorial Day to Labor Day	AMPING X SKIING
AVERAGE POPULATION OF SITE Weekdays 125, Weekend 175	
PUBLIC ADDRESS SYSTEM AT SITE ( ) YES ( X ) NO	
AUXILIARY POWER ( ) YES ( x ) NO	
MAKE/MODEL	
TYPE/AMONT FUEL	
* Ranger has 2 channel master waldie talies for on si	te use

RECREATIONAL AREAS:	ampground	LOCATION	W RrattleAREA	SQ. MILESac
AGENCY RESPONSIBLE _	Private		5010	
PERSON RESPONSIBLE	Burton Hill	TITLE	Owner	
MAIN ACCESS ROUTE(S)				
TELEPHONES		PUBLIC/PAY	AGENCY	
NUMBERS 368-	2418			
AGENCY PHONE				
RADIO COMMUNICATIONS FREQUENCIES				
OTHER EMERGENCY COM	MUNICATIONS _	None		
SITE USAGE BACK P	ACKING	SWIMMING	CAMPING X	SKIING
AVERAGE POPULATION	OF SITE Week	day 25 weekend	200	
PUBLIC ADDRESS SYST	EM AT SITE (	) YES (	X ) NO	
AUXILIARY POWER (	) YES ( )	( ) NO		
MAKE/MODEL				
TYPE/AMONT FUEL				

### APPENDIX B

RECREATIONAL AREAS:	LOCATION Dummers ton AREA
ACENCY DESPONSIBLE Dept of Forest,	Parks and Recreation
PERSON RESPONSIBLERUTH Worden	TITLE Ranger
MAIN ACCESS ROUTE(SRoute 5	
TELEPHONESF	PUBLIC/PAY None AGENCY X
NUMBERS 802-254-2277	
AGENCY PHONE	HOURS COVERED 24 hours (summer only)
RADIO COMMUNICATIONS AT SITE ( ) FREQUENCIES	YES ( X ) NO
SITE USAGE PICTIS (ORLY) X  MONTHS/WEEKS IN USE Memorial Day t	SWIMMING CAMPING SKIING thru Labor Day
AVERAGE POPULATION OF SITE	
PUBLIC ADDRESS SYSTEM AT SITE (	) YES ( X ) NO
AUXILIARY POWER ( ) YES ( X )	) NO
MAKE/MODEL	
TYPE / AMONT FILE!	

RECREATIONAL AREAS:  NAME Fort Dummer State	a Park	LOCATION	AREA	217 A. S <del>Q.</del> -MILES-:
AGENCY RESPONSIBLE	Dept of Forest, Park	s and Recreation	1	
PERSON RESPONSIBLE DO	on Squire	TITLE Park Rai	nger	
MAIN ACCESS ROUTE(S)				
TELEPHONES	PUBLIC.	/PAY X	AGENCY	Υ
NUMBERS _				
AGENCY PHONE 802-25	4-2610	HOURS COVERED	24 Hours Daily	
* RADIO COMMUNICATIONS /	AT SITE ( X ) YES	( ) NO		
OTHER EMERGENCY COMMUNICATION OF THE USAGE BACK PACEMONTHS/WEEKS IN USE	NICATIONS None KING SWIMMI	NGCA	MPING X	
AVERAGE POPULATION OF				
PUBLIC ADDRESS SYSTEM	AT SITE ( ) YES	( X ) NO		
AUXILIARY POWER ( )				
MAKE/MODEL				
TYPE/AMONT FUEL	,/	V .		
* Range has 2 chann	nel master waldie ta	lies for on site	use	

RECREATIONAL AREAS:  NAMEMoss_Hollow_C		LOCATI	ON W_ Bra	++1eAREA	SQ. MILESac
AGENCY RESPONSIBLE	Private			boro	
PERSON RESPONSIBLE _	Burton Hill	TITLE	Owner		
MAIN ACCESS ROUTE(S)					
TELEPHONES					
NUMBERS 368-	2418				
AGENCY PHONE		HOURS	COVERED	24 hours	
RADIO COMMUNICATIONS	AT SITE (	) YES (X	) NO		
OTHER EMERGENCY COM					
SITE USAGE BACK PA	ACKING	SWIMMING	ca	MPING X	SKIING
AVERAGE POPULATION	OF SITE Week	day 25 weeken	d 200		
PUBLIC ADDRESS SYST	EM AT SITE (	) YES (	X ) NO		
AUXILIARY POWER (					
MAKE/MODEL				2010	
TYPE/AMONT-FUEL-					

Recreational Areas - Rowe



RECREATIONAL AREAS:
NAME Savoy State Forest LOCATION Savoy, MA
AGENCY RESPONSIBLE Mass. Division of Forest & Parks
PERSON RESPONSIBLE Mr. David Carlin TITLE
MAIN ACCESS ROUTE(S) Route 2 to South County Road, Savoy
TELEPHONES Private PUBLIC/PAY None MGENCY None
NUMBERS
AGENCY PHONE HOURS COVERED
RADIO COMMUNICATIONS AT SITE ( ) YES ( XX ) NO *See Note Below*
FREQUENCIES
OTHER EMERGENCY COMMUNICATIONS None
SITE USAGE BACK PACKING XX SWIMMING XX CAMPING XX SKIING XX
Winter months for skiing & Snowmobiling at North Pond.  MONTHS/WEEKS IN USE Year-round: April to October for other activities at North & South
AVERAGE POPULATION OF SITE Up to 750 people at all sites cumulative
PUBLIC ADDRESS SYSTEM AT SITE ( ) YES (XX ) NO
AUXILIARY POWER ( ) YES ( XX ) NO
MAKE/MODEL
TYPE/AMONT FUEL

1. Telephone connects to main office at north end of forest, with one extension at a "Contact Station" at South Pond.

2. Site is manned by Agency personnel year-round from 8AM-430pM, and on a 24-hour basis from mid-June through Labor Day.

3. A Fire Tower exists in the forest and has recently been refurbished. It contains radio equipment (capabilities & frequencies unknown) and is not planned for operation for at least another year. When operational it is planned to be manned only during the peak forest fire threat months (May-August).

RECREATIONAL AREAS:	
NAME Vietnam Veterans Skating Rink LOCAT	ION Church St, N. Adams, MA
AGENCY RESPONSIBLE Mass. Division of Forest &	Parks
PERSON RESPONSIBLE Mr. Zigamon Nash TITLE	
MAIN ACCESS ROUTE(S) Route 8, N. Adams	
TELEPHONES Private PUBLIC/PAY	PAY AGENCY NO
NUMBERS (Pay Station Number un	iknown)
AGENCY PHONE HOURS	
RADIO COMMUNICATIONS AT SITE ( ) YES ( )	( ) NO
FREQUENCIES	
OTHER EMERGENCY COMMUNICATIONS None	
SITE USAGE BACK PACKING SWIMMING	CAMPINGSKIING
MONTHS/WEEKS IN USE Year-round, but periodical	ly closed for maintenance and non-use
AVERAGE POPULATION OF SITE Approximately 500	persons maximum
PUBLIC ADDRESS SYSTEM AT SITE ( XX ) YES	) NO
AUXILIARY POWER ( ) YES ( XX ) NO	
MAKE/MODEL	
TYPE/AMONT FUEL	

NAME Clarksburg State Forest LOCATION Clarksburg, MA
AGENCY RESPONSIBLE Mass. Division of Forest & Parks
PERSON RESPONSIBLE Mr. Art Tangueay TITLE
MAIN ACCESS ROUTE(S) Route 8, Clarksburg
TELEPHONES No Private Lines PUBLIC/PAY XX AGENCY NO
 NUMBERS
AGENCY PHONE HOURS COVERED
RADIO COMMUNICATIONS AT SITE ( ) YES ( XX ) NO
FREQUENCIES
OTHER EMERGENCY COMMUNICATIONS None
SITE USAGE BACK PACKING XX SWIMMING XX CAMPING XX SKIING
MONTHS/WEEKS IN USE Closed Mid-Octover through Mid-May
AVERAGE_POPULATION OF SITE Up to 700 People at all sites cumulative
PUBLIC ADDRESS SYSTEM AT SITE ( ) YES ( XX ) NO
AUXILIARY POWER ( ) YES ( XX) NO
MAKE/MODEL
TYPE/AMONT FUEL

According to Mr. Carl Curtin, Deputy Director for Region 5, Mass. Division of Forest & Parks, his agency does not maintain data on the emergency notification capabilities of private recreational facilities in his region. However, his personal experience shows that these facilities are usually manned 24-hours per day, 7 days per week by operating personnel, simply s to keep track of customers and insure all who use their facilities pay for the privilege.

Private facilities known to be in Region 5 are:

Shady Pines Campground: Loop Road, Rt 116, Savoy, MA

(413) 743-2694

Open year-round; 15° campsites (usually equates to 450 people); providing swimming, camping, and snowmobiling. Also has capacity for

group picnicing

Chilson's Pond Camping Area: Rt 2, Florida, MA

(413) 664-6001

Open May through October, 55 campsites (usually equates to 150 people); providing camping area

with picnicing and hiking areas.

#### RECREATIONAL AREAS:

NAME E. Charlemont Boat Ramp	LOCATION E. Charlemont
AGENCY RESPONSIBLE Same	
PERSON RESPONSIBLE Roger Ward	TITLE
MAIN ACCESS ROUTE(S) Rt. 2	
TELEPHONES	PUBLIC/PAY AGENCY
NUMBERS	
AGENCY PHONE	HOURS COVERED
RADIO COMMUNICATIONS AT SITE ( FREQUENCIES	
OTHER EMERGENCY COMMUNICATIONS Boating- X SITE USAGE BACK PACKING	SWIMMING CAMPING SKIING
MONTHS/WEEKS IN USEsummer of	only
AVERAGE POPULATION OF SITE	0
PUBLIC ADDRESS SYSTEM AT SITE (	( ) YES ( x ) NO
AUXILIARY POWER ( ) YES (	x ) NO
MAKE/MODEL	
TYPE/AMONT FUEL	

RECREATIONAL AREAS:		LOCATION	Vervee		
3 13 14 14 14 14 14	Porest		MONIOE		
AGENCY RESPONSIBLE					4
PERSON RESPONSIBLE	Frank Decoigne	_TITLE			7 Maria de 1
MAIN ACCESS ROUTE(S					
TELEPHONES	20800	CYPAY	none	AGENCY	
	4-7600				
William Annual Medical Section (Annual Control			ERED		
RADIO COMMUNICATION	S AT SITE ( ) YES	(x) N	10		
FREQUENCIES					n an ann an ann an an
OTHER EMERGENCY COM	MUNICATIONS				
SITE USAGE BACK P	mobiling X Hiking ACKING X SWIMM	ING	CAMPIN	G _ X	SKIING .
MONTHS/WEEKS IN USE	Year Round				-
AVERAGE POPULATION	OF SITE Approx 100	year round	1		
PUBLIC ADDRESS SYST	TEM AT SITE ( ) YES	(x	) NO		
AUXILIARY POWER (	) YES ( x ) NO				
MAKE/MODEL					
TYPE/AMONT FUEL					

Part of Bear Swamp Visitor's Center

Young adult conservation groups use it year round - about 12 persons (old prison farm)

RECREATIONAL AREAS:	
NAME Hawley State Forest	LOCATION Hawley, MA
AGENCY RESPONSIBLE Same	
PERSON RESPONSIBLE Roger Wa	ard TITLE
MAIN ACCESS ROUTE(S) Rt. 8A	
TELEPHONES Private	RESERVIT/PAY summertime AGENCY
NUMBERS _	634-5567
AGENCY PHONE	HOURS COVERED
RADIO COMMUNICATIONS AT SITE	( ) YES ( x ) NO
FREQUENCIES	
OTHER EMERGENCY COMMUNICATION	NS
	SWIMMING CAMPING X SKIING
MONTHS/WEEKS IN USE	ear - Round
AVERAGE POPULATION OF SITE	500 (Winter) 100 (Summer)
PUBLIC ADDRESS SYSTEM AT SITE	E ( ) YES ( x ) NO
AUXILIARY POWER ( ) YES	(x) NO
MAKE/MODEL	
TYPE/AMONT FUEL	

If YEC overnight, state personnel stay there 47 miles of unpaved roads used by snowmobiling

RECREATIONAL AREAS:	
NAME Mohawk Trail-State Forest	LOCATION Charlemont
AGENCY RESPONSIBLE Mass. Dept.	of Envir. Mgnt Div. of FHP
PERSON RESPONSIBLE Mr. Roger W	ard TITLE
MAIN ACCESS ROUTE(S) Rt.2	
TELEPHONES Privaro	PUBLIC/PAY June-Oct. AGENCY
	329-8383
AGENCY PHONE	HOURS COVERED
RADIO COMMUNICATIONS AT SITE ( x	: ) YES ( ) NO
FREQUENCIES 4: 151.205/235/370/3	110 MHz /Base - (Mobile(Fire Truck)
OTHER EMERGENCY COMMUNICATIONS _	
SITE USAGE BACK PACKING	SWIMMING X CAMPING X SKIING
MONTHS/WEEKS IN USE Apr - Oct	
AVERAGE POPULATION OF SITE	Approx 1100 people
PUBLIC ADDRESS SYSTEM AT SITE (	) YES ( x ) NO
AUXILIARY POWER ( ) YES ( >	( ) NO
MAKE/MODEL	
TYPE/AMONT FUEL	

Phone mile from picnic area, 1/2 mile for campground

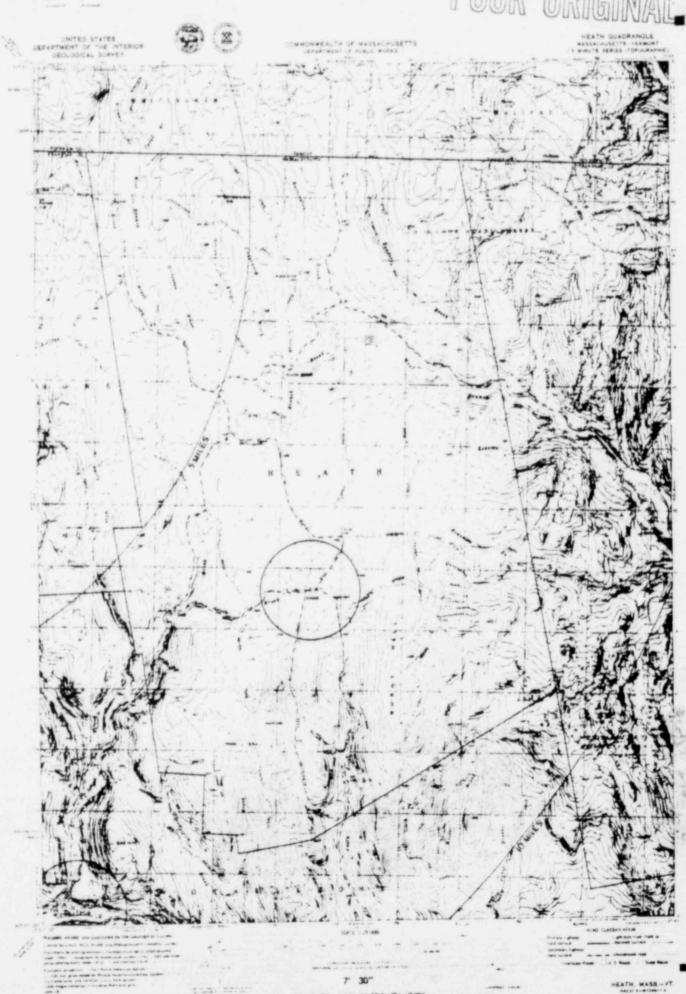
- Mid-June to Labor Day, usually til 2am

Snowmobiling - cross country skiing, unmanned EAC at winter

<sup>-</sup> Weekend until midnight (weather permitting) weekday - 4PM

MAI 18 TLEBORO III

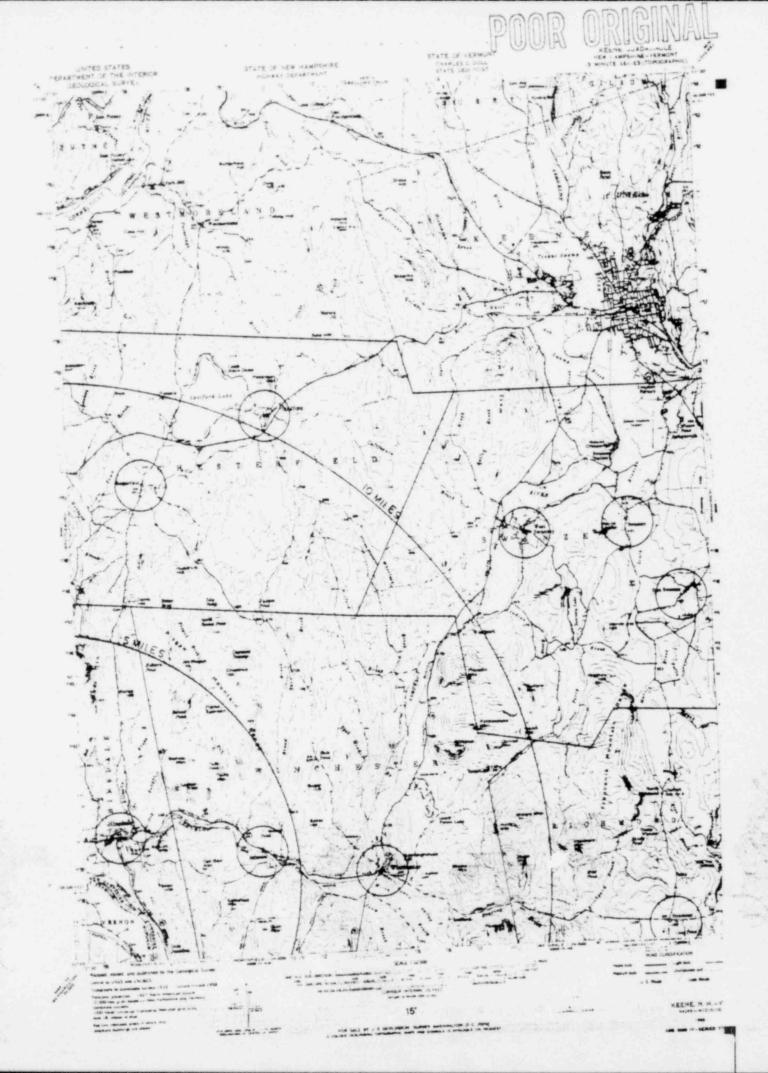
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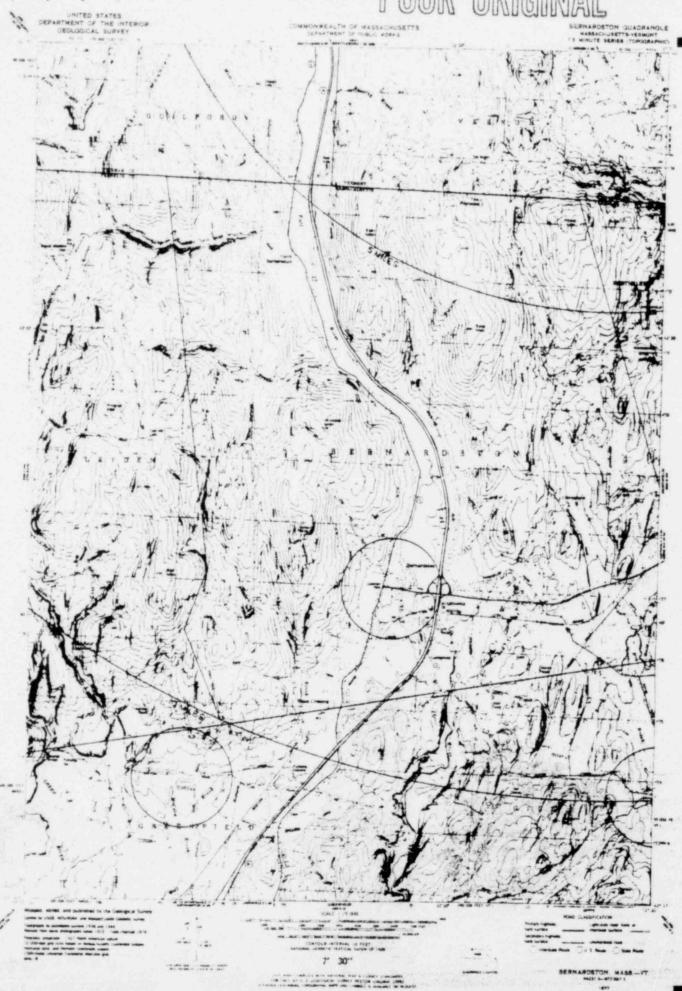
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ASHFIELD QUADRANCLE MASSACHUSETTS 15 MINUTE SERIES (CIPOGRAPHIC

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