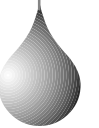


Appendices



Appendix A. Impact Area Review Team

IMPACT AREA REVIEW TEAM

The Impact Area Review Team (IART) was created by the United States Environmental Protection Agency (EPA) and is funded by the National Guard Bureau (NGB). The IART held its first meeting on May 20, 1997 and will continue to meet indefinitely. The following mission and ground rules were established at the first meeting:

Mission:

The mission of the IART is to serve as a technical advisory resource and to allow the EPA to hear firsthand the concerns of the public.

Ground Rules:

- Sign in sheets will be distributed for members at the head table
- Meeting Minutes will be recorded, transcribed, and mailed to team members
- There will be respect shown for each other and the issues raised
- Members will take turns speaking and use their name tents to be recognized
- Members will make a commitment to attend meetings on a regular basis
- NGB technical experts will be available at each meeting to respond directly to questions raised by the team
- Members should remain focused on the issues and provide brief and concise comments

CURRENT IART MEMEBERS

MEMBER NAME	ORGANIZATION/AFFILIATION	PHONE
Adams, Margery	EPA – New England	617-918-1733
Aker, Marty	AFCEE/MMR	508-968-4670
Borci, Todd	EPA – New England	617-918-1358
Burt, Bob	102 FW/CE	508-968-4234
Cambareri, Tom	Cape Cod Commission	508-362-3828
Cody, Shaun	MAARNG	508-233-6520
Cunha, LTC David	MAARNG	508-968-5883
Dolan, Jane	EPA – New England	888-372-7341
Feigenbaum, Dr. Joel	Citizen	508-833-0144
Gonser, Kent	Joint Program Office	508-968-5824
Graham, James	Citizen	508-563-5814
Gregson, Ben	Impact Area Groundwater Study Program	508-968-5821
Hayes, Evelyn	Citizen	508-362-1785
Hugus, Richard	Citizen	508-540-6034
Kinney, James	Citizen	508-362-1510
Pepin, Janet	Citizen	508-548-8182
Pinaud, Len	MADEP	508-946-2871
Schlesinger, Peter	Citizen	508-540-9900
Taylor, Ray	Citizen	508-539-1709
Walsh-Rogalski, William	EPA – New England	617-918-1035
Zanis, Paul	Citizen	508-539-2852

Appendix B. Notification Protocols

GENERAL NOTIFICATION PROTOCOL

If information becomes available that indicates a release greater than the reportable concentrations, the NGB and MAARNG will follow a notification protocol to disseminate this information. The protocol is similar to the notification protocol used by the Installation Restoration Program. All important late-breaking information will be distributed as follows:

- In the event of an emergency, appropriate emergency response personnel will be notified in accordance with state and federal laws and National Guard Bureau policy.
- If an event of significant or critical nature (an event that poses a potential risk to public health, safety or the environment) should occur, the following notification protocol will be implemented:
 - Top priority for notification will be the NGB, MAARNG, EPA Region 1 and MADEP.
 - Notification to federal and state elected officials, town selectmen, boards of health representatives, water department officials, and other town officials will immediately follow.
 - Other organizations operating at MMR will then be notified.
 - The media will then be notified.

Depending on how quickly information needs to be provided to the media and the public, notification will be by telephone (for events that require immediate communication with the media and public [less than four hours]) or by facsimile or electronic mail (for events that require action within several hours, but not necessarily immediately [more than four hours]).

Decisions regarding whom to contact will be made on a case-by-case basis. Emphasis will be on contacting those individuals who have responsibility for the event or are most immediately affected by it.

TOWN OF SANDWICH NOTIFICATION PROTOCOL

**Munitions or Unexploded Ordnance (UXO) with maximum fragmentation radius that falls
WITHIN THE SCHOOL BUFFER ZONE
will not be moved or blown in place (BIP) during school hours.***

Discovery of Buried Munitions – STEPS TO NOTIFICATION

**SCENARIO A) Discoveries where the maximum fragmentation radius falls within the
SCHOOL SAFETY BUFFER ZONE OF 500 FEET:**

#1 Draft Press Release and Contact:

- EPA (provide draft press release)
 - Todd Borci** (p) 617-918-1358 (f) 617-918-1291
 - and/or
 - Jim Murphy** (p) 617-918-1028 (f) 617-918-1029

- MADEP (provide draft press release)
Len Pinaud (p) 508-946-2871 (f) 508-947-6557
 and/or
Ellie Grillo (p) 508-946-2866 (f) 508-947-6557

Notify via telephone (as soon as reasonably possible: no later than 24 hours) to Local Officials, and provide copies of the press release as follows:

Doug Jenkins, 508-477-6600 (alternate: Peter Cannone (508) 888-1054)

who then notifies:

- The School Superintendent
- The School Board members

George Ron Larkin, 508-888-7595 (alternate Dick Judge (508) 833-0532)

who then notifies:

- The Town Selectmen

Bud Dunham (508) 888-5144 (or designated alternate)

who then notifies:

- Town Fire Chief
- Town Chief of Police

#2 Press Release:

- Fax Press Release to Draft News Release distribution list
 - IAGWSP will only issue press release after section A) #1 notifications have been made
 - Include general locations of munitions
 - List POCs and their phone numbers
 - Provide a 24 hour hotline for information
- *Local Officials will be notified no less than 48 hours before any of the munitions are moved. Munitions will not be moved until after school hours.

SCENARIO B)

Discoveries where the maximum fragmentation radius falls within the NEIGHBORHOOD SAFETY BUFFER ZONE OF 500 FEET:

#1 Draft Press Release and Contact:

- EPA (provide draft press release)
Todd Borci (p) 617-918-1358 (f) 617-918-1291
 and/or
Jim Murphy (p) 617-918-1028 (f) 617-918-1029
- MADEP (provide draft press release)
Len Pinaud (p) 508-946-2871 (f) 508-947-6557
 and/or
Ellie Grillo (p) 508-946-2866 (f) 508-947-6557

Notify via telephone Local Officials and provide copies of the press release as follows:

George Ron Larkin, 508-888-7595 (alternate Dick Judge (508) 833-0532)

who then notifies:

- The Town Selectmen

Bud Dunham (508) 888-5144 (or designated alternate)

who then notifies:

- Town Fire Chief
- Town Chief of Police

Distribute neighborhood notices to homes within the affected area prior to release of Press Release

**Discovery of Unexploded Ordnance (UXO) that are unsafe to move and require
“Blow in Place” (BIP) – STEPS TO NOTIFICATION**

SCENARIO A)

**Required BIPs where the maximum fragmentation radius
within the SCHOOL SAFETY BUFFER ZONE OF 500 FEET:**

- Implement the same Notification Procedure as stated in section A) #1
- **BIPS WILL NOT BE DONE DURING SCHOOL HOURS**

SCENARIO B)

**Required BIPs where the maximum fragmentation radius is
within the NEIGHBORHOOD SAFETY BUFFER ZONE OF 500 FEET:**

- Implement the same Notification Procedure as stated in section B) #1
- Distribute Neighborhood Notices to homes within the affected area 24 hours prior to BIP

Appendix C. Base and Regulatory Contacts

National Guard Bureau

111 South George Mason Drive
Arlington, VA 22204-1382

COL Richard Murphy
(703) 607-7971

FAX: (703) 607-8329

E-mail: richard.murphy@ngb.army.mil

Dan Allen, Chief Public Affairs (Training and Environmental Programs)
(703) 607-2632

FAX: (703) 607-3686

Massachusetts Army National Guard

50 Maple Street
Milford, MA 01757

Shaun Cody, Director of Environmental Affairs
(508) 233-6520

FAX: (508) 233-6571

E-mail: shaun.cody@ma.ngb.army.mil

Impact Area Groundwater Study Program Office

PB 565/567 West Outer Road
Camp Edwards, MA 02542-5003

Ben Gregson LSP, Program Manager IAGWSP
(508) 968-5821

FAX: (508) 968-5286

E-mail: ben.gregson@ma.ngb.army.mil

Tina Dolen, Senior Community Involvement Specialist
(508) 968-5629

FAX: (508) 968-5286

E-mail: tina.dolen@ma.ngb.army.mil

United States Army Corps of Engineers – New England District

696 Virginia Road
Concord, MA 01742-2751

Darrell Deleppo, Project Manager
(978) 318-8348

FAX: (978) 318-8891

E-mail: Darrell.j.Deleppo@usace.army.mil

Camp Edwards Training Site

HQ Camp Edwards, MA Army National Guard Training Site
Camp Edwards, MA 02542

LTC David Cunha, Training Site Commander
(508) 968-5885

FAX: (508) 968-5906

E-mail: cmdrcped@shore.net

Joint Program Office

Building 1204
Camp Edwards, MA 02542
Web site: <http://www.jpo-mmr.org>

COL Albert Bleakley, Executive Director
(508) 968-5824
FAX: (508) 968-5818
E-mail: albert.bleakley@mmr.brooks.af.mil

Jan Larkin, Director
(508) 968-5824
FAX: (508) 968-5818
E-mail: jan.larkin@mmr.brooks.af.mil

Environmental and Readiness Center

Building 1017
Camp Edwards, MA 02542

COL Joseph Materia, Director
(508) 968-5106
FAX: (508) 968-5144
E-mail: joseph.materia@ma.ngb.army.mil

Greg Miller, Operations Manager
(508) 968-5147
FAX: (508) 968-5144
E-mail: greg.miller@ma.ngb.army.mil

U.S. Environmental Protection Agency

USEPA New England
One Congress Street, Suite 1100
Boston, MA 02114-2023
Web site: <http://www.epa.gov/region01>

Todd Borci, MMR Impact Area Technical Project Coordinator
(617) 918-1358
FAX (617) 918-4898
E-mail: Borci.todd@epa.gov

Jim Murphy, Community Involvement Coordinator
(617) 918-1028
FAX: (617) 918-1029
E-mail: murphy.jim@epa.gov

Massachusetts Department of Environmental Protection

Southeast Region
20 Riverside Drive
Lakeville, MA 02347
Web site: <http://www.magnet.state.ma.us/dep/sero>

Leonard J. Pinaud, Section Chief Federal Facilities
Bureau of Waste Site Cleanup
(508) 946-2871
FAX: (508) 947-6557
E-mail: leonard.pinaud@state.ma.us

Ellie Grillo, Community Involvement Coordinator
(508) 946-2866
FAX: (508) 947-6557
E-mail: ellie.grillo@state.ma.us

Massachusetts Executive Office of Environmental Affairs

251 Causeway Street, 9th Floor
Boston, MA 02114

Robert Durand, Secretary of Environmental Affairs
(617) 626-1000
FAX: (617) 626-1181

Massachusetts Division of Fisheries and Wildlife

251 Causeway Street
Suite 400
Boston, MA 02114-2152

William J. Minior, Chief of Wildlife Lands
(617) 727-3151, ext. 343
FAX: (617) 727-7288
Point of contact for real estate issues (as property owner)
E-mail: William.minior@state.ma.us

195 Bournedale Road
Buzzards Bay, MA 02532

Steve Hurley, Southeast District Fisheries Manager
(508) 759-3406
FAX: (508) 759-0381
E-mail: Steve.hurley@state.ma.us

Environmental Health Center, Massachusetts Department of Public Health

3137 North Inner Road
Otis ANG Base, MA 02542

Louise House, ATSDR
(508) 968-4362
FAX: (508) 968-4365
E-mail: louise.house@state.ma.us

Katherine Zone, MDPH
Community Involvement Specialist
(508) 968-4366
FAX: (508) 968-4365
E-mail: Katherine.zone@state.ma.us

David Williams, MDPH
Senior Environmental Analyst,
(508) 968-4366
E-mail: Dave.williams@state.ma.us

U.S. Agency for Toxic Substances and Disease Registry

Regional Office
One Congress Street, Suite 1100 (HBT)
Boston, MA 02114
Web site: <http://atsdr1.atsdr.cdc.gov>

Bill Sweet
(617) 918-1490
FAX: (617) 918-1494

Massachusetts Department of Public Health

250 Washington Street, Seventh Floor
Boston, MA 02108
Web site: <http://www.magnet.state.ma.us/dph>

Suzanne Condon
(617) 624-5757
FAX: (617) 624-5777
E-mail: Suzanne.condon@state.ma.us

U.S. Geological Survey

Water Resources Division, Northeast District
10 Bearfoot Road
Northborough, MA 01532
Web site: <http://www.usgs.gov>

Denis LeBlanc
(508) 490-5030
FAX: (508) 490-5068
E-mail: dc_ma@usgs.gov

Installation Restoration Program

HQ AFCEE/MMR
322 East Inner Road, Box 41
Otis ANG Base, MA 02542-5028
Hotline for public meeting information: (508) 968-4678, ext. 4
Web site: <http://www.mmr.org>

Robert Gill, Program Manager
(508) 968-4670
FAX: (508) 968-4673
Robert.gill@mmr.brooks.af.mil

Doug Karson, Community Involvement Specialist
(508) 968-4678, ext. 1
FAX: (508) 968-4673
Doug.karson@mmr.brooks.af.mil

102nd Fighter Wing, Otis Air National Guard Base

102 FW/PA
158 Reilly Street, Box 60
Otis ANG Base, MA 02542-5028

Lt. Col. Margaret Quenneville, Public Affairs Officer
(508) 968-4664
FAX: (508) 968-4290

U.S. Coast Guard Air Station Cape Cod

Otis ANG Base, MA 02542-5005

Bob Cannon

(508) 968-6487

FAX: (508) 968-6491

6th Space Warning Squadron (PAVE PAWS), U.S. Air Force

Cape Cod Air Station

P.O. Box 428

Sagamore, MA 02561-0428

Lt. Col. Jeff Wilson, Commander

(508) 968-3235

FAX: (508) 968-3305

E-mail: jeff.wilson@capecod.af.mil

Captain Brad Sweezy, Public Affairs

(508) 968-3235

FAX: (508) 968-3305

E-mail: brad.sweezy@capecod.af.mil

Wampanoag Tribe of Gay Head (Aquinnah)

Mark Harding

Deputy Tribal Historic Preservation Officer

20 Black Brook Road

Aquinnah, MA 02535-1546

(508) 645-9265 X170

Appendix D. Local Community Groups

Alliance for Base Cleanup (ABC)

James Kinney

(508) 562-7680

Ashumet Pond Nutrient Advisory Group

APNAG

Ralph Herbst, (508) 564-5562

Ed Baker, (508) 477-2432

Ashumet Valley Property Owners Inc.

Chris Dunn, (508) 564-6414

Dave Kulis, (508) 289-2859

Ballymeade Development Corporation

Ballymeade Country Club

Jody Shaw

(508) 540-4005

Cape Cod Citizens to Move Pave Paws

Sharon Judge

(508) 833-0532

Cape Cod Community College

Mary Jane Curran

(508) 362-2131, ext. 4392

Circle of Caring

Maria Turner

(508) 477-1875

Falmouth Associations Concerned with Estuaries
and Saltponds (FACES)

David Palmer (508) 548-4858, drpcon@aol.com

Jack Barnes (508) 540-2392, jbarnes@capecod.net

Forestdale

Ray Taylor (508) 539-1709

Lance Lambros (508) 477-1000

Johns Pond Association

Michael Forde

(508) 477-3589

Briarwood Mashpee Association

Diane Rommelmeyer

(508) 477-2711

Ashumet-Johns Pond Association

Al Orlando

(508) 477-1902

Ashumet Plume Citizens Committee (APCC)

Jack Barnes

(508) 540-2392

Association for the Preservation of Cape Cod (APCC)

Maggie Geist

(508) 255-4142

Cape Cod Commission

Margo Fenn

(508) 362-3828

Cataumet Civic Association (CCA)

Bill Locke

(508) 563-6945

Citizens United for MMR Watershed and Wildlife Refuge

Susan Rohrbach

(508) 362-0424

Forestdale Woods Association

Steve Harvey

(508) 477-4364

League of Women Voters – Falmouth

Pam Polloni

(508) 563-2312

Lochstead Homeowners Association

Naomi Litvin

(508) 564-6455

Mashpee Environmental Coalition

Ray Bowman

(508) 477-1935, Rbowman@aol.com

Ed Baker, (508) 477-2432

Mashpee Wampanoag Tribal Council
Glen Marshall
(508) 477-0208

Otis Civilian Advisory Council
Sandra Hill-Fenwick
(508) 548-3385

Patriots Advocating Camp Edwards Restoration
and Survival (PACERS)
Minos Gordy
(508) 775-2839, minos@mediaone.net

Save The Reservation and Our National Guard
(STRONG)
Jean Crocker (508) 428-4283, buzzcrocker@mediaone.net
Bob Barrow (508) 563-6285, annab@cape.com
Ahmed Mustafa (508) 6208, amust2@aol.com

Upper Cape Concerned Citizens
Joel Feigenbaum
(508) 833-0144, Joelf@cape.com

Otis Conversion Project
Richard Hugus
(508) 540-6034

Responsible Environmental Protection for
Sandwich (REPS)
Susan Walker
(508) 477-1386, Swalker@capecod.net

Sierra Club – Cape Cod Group
David Dow
(508) 540-7142

Waquoit Bay National Estuarine Research
Reserve (WBNERR)
Joan Muller
(508) 457-0495 ext. 107

Appendix E. Elected Officials

LOCAL OFFICIALS

Barnstable County

Dept. of Health, Human Services and the Environment

Superior Courthouse, Route 6A
Barnstable, MA 02630
Stetson Hall, Director
Phone: (508) 362-2511
FAX: (508) 362-4136

Cape Cod Commission

P.O. Box 226
3225 Main Street
Barnstable, MA 02630
Margo Fenn, Executive Director
Phone: (508) 362-3828
FAX: (508) 362-3136

Assembly of Delegates

P.O. Box 900
1st District Courthouse, Route 6A
Barnstable, MA 02630
Diane Thompson, Clerk
Phone: (508) 362-2511

Commissioners Office

P.O. Box 427
Superior Courthouse, Route 6A
Barnstable, MA 02630
Maggie Downey, Assistant Administrator
Phone: (508) 362-2511

Bourne

Board of Selectmen

Town Hall
P.O. Box 1447
Pocasset, MA 02532
Haydon Coggeshall
Phone: (508) 759-0600
FAX: (508) 759-8026

Board of Health

Town Hall
24 Perry Avenue
Buzzards Bay, MA 02532
Cynthia Coffin, Health Agent
Phone: (508) 759-0630
FAX: (508) 759-8026

Conservation Commission

Town Hall
24 Perry Avenue
Buzzards Bay, MA 02532
Nina Coleman, Cons. Agent
Phone: (508) 759-0625
FAX: (508) 759-8026

Falmouth

Board of Selectmen

Town Hall
59 Town Hall Square
Falmouth, MA 02540
Virginia Valiela
Phone: (508) 548-7611, ext. 201
FAX: (508) 457-2573

Board of Health

Town Hall
59 Town Hall Square
Falmouth, MA 02540
David Carignan, Health Agent
Phone: (508) 548-7611, ext. 254
FAX: (508) 457-2511

Conservation Commission

Town Hall
59 Town Hall Square
Falmouth, MA 02540
Peggy Emslie, Cons. Administrator
Mark Kasprzyk, Cons. Agent
Phone: (508) 888-4200
FAX: (508) 833-0018

Mashpee**Board of Selectmen**

Town Hall
16 Great Neck Road North
Mashpee, MA 02649
George C. Greene
Phone: (508) 539-1400, ext. 510
FAX: (508) 539-1403

Board of Health

Town Hall
16 Great Neck Road North
Mashpee, MA 02649
Elias McQuaid, Health Agent
Phone: (508) 539-1400, ext. 555
FAX: (508) 477-7380

Conservation Commission

P.O. Box 208
Mashpee, MA 02649
Bob Sherman, Cons. Agent
Phone: (508) 539-1400, ext. 540
FAX: (508) 477-7380

Sandwich**Board of Selectmen**

Town Hall
P.O. Box 660
Sandwich, MA 02563
Richard Judge
Phone: (508) 888-4910
FAX: (508) 888-8655

Board of Health

16 Jan Sebastian Drive
Sandwich, MA 02563
David Mason, Health Agent
Phone: (508) 888-4200
FAX: (508) 833-0018

Conservation Commission

16 Jan Sebastian Drive
Sandwich, MA 02563
Mark S. Galkowski, Cons. Officer
Phone: (508) 888-4200

STATE ELECTED OFFICIALS**Senator Rob O'Leary**

State House, Room 413-E
Boston, MA 02133
Phone: (617) 722-1570
FAX: (617) 722-1271

Senator Therese Murray

State House, Room 511C
Boston, MA 02133
Phone: (617) 722-1330
FAX: (617) 722-1027
District Office
225 S. Water Street
Plymouth, MA 02360
Phone: (508) 746-9332
FAX: (508) 747-6990

Representative Ruth Provost

State House, Room 26
Boston, MA 02133
Phone: (617) 722-2080
FAX: (617) 722-2339

Representative Matt Patrick

State House, Room 437
Boston, MA 02133
Phone: (617) 722-2800
FAX: (617) 722-2897

Representative Eric Turkington

State House, Room 473F
Boston, MA 02133
Phone: (617) 722-2210
FAX: (617) 722-2239

Representative Demetrius Atsalis

State House, Room 167
Boston, MA 02133
Phone: (617) 722-2692
FAX: (617) 722-2339

Representative Shirley Gomes

State House, Room 156
Boston, MA 02133
Phone: (617) 722-2256
FAX: (617) 722-2590

Representative Thomas George

State House, Room 548
Boston, MA 02133
Phone: (617) 722-2489
FAX: (617) 722-2584

FEDERAL ELECTED OFFICIALS

Senator Edward M. Kennedy

315 Russell Senate Office Bldg
Washington, DC 20510
Phone: (202) 224-4543
FAX: (202) 224-2417

Senator John F. Kerry

304 Russell Senate Office Bldg.
Washington, DC 20510
Phone: (202) 224-2742
FAX: (202) 224-8525

Congressman William Delahunt

1317 Longworth House Office Bldg.
Washington, DC 20515
Phone: (202) 225-3111
FAX: (202) 225-5658

District Office

Steven J. Kerrigan
409 JFK Federal Building
Boston, MA 02203
Phone: (617) 565-3170
FAX: (617) 565-3183

District Office

Richard A. Levitt
1 Bowdoin Square, 10th Floor
Boston, MA 02114
Phone: (617) 565-8519
FAX: (617) 248-3870

District Office

Mark R. Forest
146 Main Street
Hyannis, MA 02601
Phone: (508) 771-0666
FAX: (508) 790-1959

Appendix F. Media Contacts

News Agencies/Services

Name	Address	Phone	Fax
Associated Press Boston Bureau	184 High Street Boston, MA	800-882-1407 617-357-8100	617-338-8125
Cape Cod Journal	12B Parker Road Osterville, MA 02655 Web: www.capecodjournal.com Email: spolay@capecod.net	508-428-7000	508-420-5658

Newspapers / Magazines

Publication	Address	Newsroom Phone	Newsroom Fax
Cape Cod Times	319 Main Street Hyannis, MA 02601	508-775-1200	508-771-3292
Cape Cod Community Newspapers: Upper Cape Codder & The Register	923G Rt. 6A Yarmouthport, MA 02675	508-375-4943	508-375-4903
The Enterprise Newspapers: Bourne, Mashpee, Falmouth, and Sandwich	50 Depot Avenue Falmouth, MA 02540	508-548-4700 800-286-7744	508-540-8407
Boston Herald	P.O. Box 2096 Boston, MA 02106	800-662-6631	617-542-1315
Boston Globe	135 Morrissey Avenue Boston, MA 02125	617-929-3000	617-929-3192
Barnstable Patriot	P.O. Box 571 Hyannis, MA 02601	508-771-1427	508-771-6654
Otis Notice	P.O. Box 571 Osterville, MA 02655	508-428-8900	508-428-8524
Tiger Tracks	102nd Fighter Wing 158 Reilly Street, Box 60 Otis ANG Base, MA 02542-1330	508-968-4003	508-968-4290

Radio Stations

Station Call Letters	Frequency	Address	Phone	Fax
WJCO	93.5 FM	278 South Sea Avenue West Yarmouth, MA 02673	508-775-5678	508-777-3420
WFCC	107.5 FM	1 Village Drive Brewster, MA 02631	508-896-9322	508-896-8380
WKPE	104.7 FM	Radio Center Orleans, MA 02653	508-771-2998	508-225-9787
WQRC	99.9 FM	737 West Main Street Hyannis, MA 02601	508-771-1224	508-775-2605
WOCN	103.9 FM	737 West Main Street Hyannis, MA 02601	508-771-1224	508-775-2605
WPLM	99.1 FM	P.O. Box 1390 North Plymouth, MA 02362	508-746-1390	508-830-1128
WMVY	92.7 FM	P.O. Box 1148 Vineyard Haven, MA 02568	508-693-5000	508-693-8211
WATD	95.9 FM	130 Enterprise Drive Marshfield, MA 02050	617-837-1169	617-837-1825
WCAI	90.1 FM	3 Water Street	508-548-8600	508-540-9430
WNAN	91.1 FM	Woos Hole, MA 02543		

Makkey Group Broadcasting Stations:

WCIB	101.9 FM	154 Barnstable Road Hyannis, MA 02601	508-548-3102 508-428-7103	508-540-9430
WPXE	102.9 FM			
WRZE	96.3 FM			

Boch Broadcasting Stations:

WCOD	106.1 FM	Studio Location:	Studio Location:	Studio Location:
WXTK	95.1 FM	851 Main Street, Route 28, Suite 1	508-760-5252	508-760-5353
WWKJ	101 FM	S. Yarmouth, MA 02664		

Radio Features

Name	Address	Phone	Fax
Cape Cod Business Journal Broadcast on WQRC	(Larry Fox Associates) 658 Main Street W. Yarmouth, MA 02673	508-790-2761	508-771-3745

Television Stations

Station Name/Call Letters	Channel	Address	Phone	Fax
AT&T Broadband	Channel 3	10 Old Townhouse Rd. East South Yarmouth, MA 02644	508-398-6397	508-760-2200 508-394-1015
WGBH Public Broadcasting Service	Channel 2	125 Western Avenue Boston, MA 02134	617-492-2777	617-787-0714
WBZ CBS	Channel 4	1170 Soldiers Field Road Boston, MA 02134	617-787-7000	617-254-6383
WCVB ABC	Channel 5	5 TV Place Needham, MA 02192	781-433-4563	781-449-6681
WLNE ABC	Channel 6	10 Orms Street Providence, RI 02904	401-453-8000	401-331-4431
WHDH NBC	Channel 7	7 Bullfinch Place Boston, MA 02114	617-725-0775	617-723-6117
WJAR	Channel 10	23 Kennedy Drive Cranston RI 02920	401-455-9100	401-455-9105
WPRI	Channel 12	25 Catamore Blvd. Providence, RI 02914	401-438-3310	401-431-1012
New England Cable News	Channel 8 on Media One cable in Mashpee- Barnstable	160 Wells Avenue Newton, MA	617-630-5025	617-630-5055
Falmouth Community Television	Channel 13 on Harron cable in Falmouth	310 B Dillingham Avenue Falmouth, MA 02540	508-457-0555	508-548-8888
WFXT	Channel 25 Fox	7 Bullfinch Place Boston, MA 02114	781-467-1300	781-467-7213
WSBK	Channel 38	83 Leo Birmingham Pkwy Boston, MA 02135	617-783-3838	617-787-8606
WLVI	Channel 56	75 Morrissey Blvd. Boston, MA 02125	617-265-5656	617-287-2872
C3TV	Channel 3	307 Whites Path South Yarmouth, 02664	508-394-2388	508-398-4520

Appendix G. Administrative Record and Information Repositories

The Administrative Record is a complete compilation of all official correspondence and documentation for the Impact Area Groundwater Study Program. The Administrative Record is located at the Impact Area Groundwater Study Program office at the following address:

Impact Area Groundwater Study Program

PB 565/567 West Outer Road

Camp Edwards, MA 02542

(508) 968-5821

Information Repositories have been established in five local public libraries to make information on the study readily available to the public. The National Guard Bureau updates the repositories to ensure they have all necessary documents including copies of work plans, sampling results, site reports, fact sheets, meeting minutes, and other materials. Information repositories are located at the following local libraries*:

Jonathan Bourne Library

19 Sandwich Road
Bourne, MA 02532
(508) 759-0644

Falmouth Public Library

123 Katharine Lee Bates Road
Falmouth, MA 02540
(508) 457-2555

Sandwich Public Library

142 Main Street
Sandwich, MA 02563
(508) 888-0625

Mashpee Public Library

Steeple Street,
Mashpee Common
Mashpee, MA 02649
(508) 539-1436

U.S. Coast Guard Library

Building 5205, Ent Street
Otis ANG Base, MA 02542
(508) 968-6456

*Due to the large volume of MMR related materials, the Information Repositories are currently undergoing an overhaul and reorganization in order to meet the needs of the community.

Appendix H. Web Site Directory

Impact Area Groundwater Study Program

<http://www.grndwater.org>

Camp Edwards Environmental Protection
Office

<http://www.ceenvironment.net>

Joint Program Office

<http://www.jpo-mmr.org/>

U.S. Environmental Protection Agency

<http://www.epa.gov>

EPA Technical Assistance Grants

[http://www.epa.gov/superfund/tools/tag/
index.htm](http://www.epa.gov/superfund/tools/tag/index.htm)

Technical Outreach for Communities

<http://www.toscprogram.org>

Mass. Dept. of Environmental Protection

<http://www.magnet.state.ma.us/dep>

MADEP Technical Assistance Grants

[http://www.state.ma.us/dep/bwsc/files/
tagfact.htm](http://www.state.ma.us/dep/bwsc/files/tagfact.htm)

U.S. Department of Defense

<http://www.defenselink.mil>

Technical Assistance for Public Participation

[http://www.dtic.mil/envirodod
rab2tappfact.html](http://www.dtic.mil/envirododrab2tappfact.html)

Massachusetts Department of Public Health

<http://www.magnet.state.ma.us/dph>

Agency for Toxic Substances and Disease
Registry

<http://atsdr1.atsdr.cdc.gov>

MMR Installation Restoration Program

<http://www.mmr.org>

Defense Environmental Network and Informa-
tion Exchange (DENIX) System

<http://www.denix.osd.mil/>

Appendix I – Glossary and Acronyms

This is a glossary of terms commonly used at the MMR. Not all of these terms are found in this document.

administrative order: A legally binding document issued by the EPA if they believe a drinking water source is threatened. It requires action to protect that source.

administrative record: A collection of documents generated during the investigation of the site that form the basis for selection of a remedial action and are placed in a central location for public review.

AFCEE: Air Force Center for Environmental Excellence – an Air Force organization, headquartered in San Antonio, TX that directs environmental work at military installations throughout the country.

aquifer: An underground geological formation containing useable amounts of groundwater that can supply wells and springs.

blow-in-place (BIP): The technique used by explosive ordnance disposal experts when an unexploded ordnance is determined unsafe to move.

Chemical Spill-19 (CS-19): A chemical spill, which is under the jurisdiction of AFCEE's Air Force cleanup program.

cleanup: Actions for removing contaminants from the environment.

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA): A law, commonly known as Superfund, that authorizes the federal government to respond directly to releases of hazardous substances that may endanger public health or the environment.

consent decree: A judicial decree expressing a voluntary agreement between parties to a suit. Both parties agree to the decree in lieu of going to trial.

Contained Detonation Chamber (CDC): A contained "chamber" used for blowing up unexploded ordnance. It is a large transportable device used to contain the blast and fragments from the detonation of certain unexploded ordnance.

decision criteria: The factors evaluated and compared in the Response Alternatives Evaluation Matrix.

decision document: A document that outlines the rationale and public comment at the site investigation stage leading to the decision that a remedial investigation/feasibility study is not required.

decision point: The time at which the plume response alternative is selected.

downgradient: The area toward which groundwater flows.

ecological health: The overall condition or well-being of the relationship between organisms (people, animals, or plants) and their environment.

ecological impacts: Potential effects on ecosystems, including threatened and endangered species, habitats, wetlands, surface water bodies, and forested areas.

Environmental Impact Statement (EIS): A comprehensive environmental analysis of a proposed project and alternatives as described in the National Environmental Policy Act (NEPA).

EPA: U.S. Environmental Protection Agency.

exposure pathway: The route by which a receptor (human, bird, etc.) may come into contact with a contaminant (e.g., drinking the groundwater or wading in the surface water).

extraction well: A well where water is pumped out to treat the water and to redirect groundwater movement.

Federal Facility Agreement (FFA): An agreement between EPA and individual federal facilities that establishes a procedural and legal framework for investigating and remediating Superfund sites.

feasibility study (FS): A study to evaluate cleanup technologies and alternatives to be used for the containment, treatment, or removal of contamination from a site.

groundwater: The supply of fresh water found beneath the earth's surface, which supply wells and springs.

hazardous waste: A waste material that may pose a threat to human health or the environment.

HE: High Explosives – A chemical composition which, when initiated, can undergo a rapid chemical reaction, with the production of noise, heat and a violent expansion of gases.

Her Majesty's Explosive (HMX): (Octagtdro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine) is used as an explosive in military munitions. It may be found mixed with other explosives, specifically trinitrotoluene (TNT) and Royal Dutch Explosive (RDX). It is a manmade chemical not occurring naturally in the environment.

hydrology: The science dealing with the properties, distribution, and circulation of water.

IAGWSP: Impact Area Groundwater Study Program – the National Guard Bureau's program at the Massachusetts Military Reservation whose goal is to assess and clean up the impacts of activities conducted at Camp Edwards on the groundwater beneath the Impact Area and training ranges.

impact area: An area designated as a target to be fired into by artillery and mortar during training exercises.

information repository: A set of documents that contain important facts relating to the cleanup of a site such as the administrative record; all correspondence, reports and documents pertaining to the cleanup; and general program information.

Installation Restoration Program (IRP): The U.S. Department of Defense program implemented at U.S. military bases to identify, investigate, and clean up contamination resulting from past operations.

Joint Program Office (JPO): An office on MMR that represents the Under Secretary of Defense for Environmental Security and is responsible for coordinating all environmental programs on MMR.

lens: A groundwater zone.

MADEP: Massachusetts Department of Environmental Protection.

maximum contaminant level (MCL): The maximum concentration of a given contaminant allowed in drinking water under the federal Safe Drinking Water Act. When the state drinking water standards are more stringent than the federal MCL, the state standard is used.

Massachusetts Contingency Plan (MCP): A set of State regulations that govern the cleanup of oil and hazardous materials for the protection of public health, safety, welfare and the environment.

migration: The movement of groundwater and contaminants through an aquifer.

monitoring well: A well from which water level and water quality data are collected.

National Priorities List (NPL): The EPA (Superfund) list of uncontrolled or abandoned hazardous waste sites that are priorities for long-term remedial evaluation and response.

NGB: National Guard Bureau – The Federal organization responsible for the Army and Air Force Reserves Program.

natural attenuation: The process by which a compound is reduced in concentration over time by natural processes.

natural resource injury and damages: A measurable adverse change in the chemical or physical quality or the viability of a natural resource (land, fish, wildlife, biota, air, water, groundwater, drinking water supplies, and other such resources belonging to, managed by, held in trust by, or otherwise controlled by the United States, any state or local government) and the amount of money sought by the natural resource trustee as compensation for the injury, destruction, or loss of natural resources.

Notice of Responsibility (NOR): A notice from the MADEP informing an individual or company of his or her

potential liability pursuant to MGL C 21E, which is the state Superfund law.

open detonation: To blow up a piece of unexploded ordnance where it is found, or after moving to a safe location outdoors.

ordnance: Military materiel, such as weapons, ammunition, combat vehicles and equipment.

parts per billion (ppb): Measure of concentration of contaminants, which for water is equivalent to micrograms per liter.

Plume Cleanup Team: The PCT provides advice to the AFCEE, EPA, and MADEP Remedial Project/Program Managers (RPMs) of the Installation Restoration Program and to the Senior Management Board (SMB). The PCT provides advice on the cleanup of resources, on and off base, affected by contaminants from the MMR under applicable state and federal laws and regulations and on related community involvement issues.

plumes: A volume of contaminated water that extends downstream from the contamination source to its leading edge (similar to smoke from a smokestack as it drifts downwind in the atmosphere).

propellants: An explosive charge that propels or provides thrust.

propellant bags: Canvas bags that contain a measured volume of propellant.

public comment period: A specific period of time when stakeholders may give comments on a document.

pyrotechnics: Items of ammunition that produce, through chemical reaction, light, heat and noise.

Rapid Response Actions (RRA): An expedited regulatory approach used when quick actions are needed to clean up a hazardous material release.

recirculating well: A process for capturing, treating, and releasing groundwater within the same well. The process is not expected to adversely affect the water table

reinjection well: A well where clean water is pumped into the aquifer to replace contaminated water that has been removed.

remedy: A method, technique, or process designed to treat or clean up contaminated air, soil, sediments, or water.

remedial action (RA): The actual clean up process.

remedial design (RD): The design for construction necessary to complete the remediation or clean up of contamination.

responsiveness summary (RS): A document presenting formal comments received during the public comment period and responses to the comments.

risk: Measure of the chance that adverse impacts to life, health, or the environment may occur.

risk assessment: An evaluation to determine the risk posed to human health and the environment as a result of exposure to contaminants.

Royal Dutch Explosive (RDX): (Hexahydro-1,3,5-trinitro-1,3,5-triazine) is also known as cyclonote, hexogen, Research Department Explosive or Royal Demolition Explosive. It is used as an explosive and is also used in combination with other ingredients in explosives. RDX is produced at military arsenals and is used as an explosive in military munitions and plastic explosives.

Senior Management Board (SMB): An advisory team consisting of an elected official from each of the four adjacent towns (Bourne, Mashpee, Falmouth, and Sandwich), the U.S. Coast Guard, the Massachusetts National Guard, the U.S. Environmental Protection Agency, the Massachusetts Department of Environmental Protection, and the Massachusetts Department of Public Health. Its current tasking is to provide input on policy and management issues involving plume response actions of public concern and to review the work of all other citizen involvement teams.

socioeconomic impacts: Potential effects on commercial and residential interests, recreational areas, and historical and archeological sites.

source area: The location where contaminant(s) entered the soil, water, air, or sediment.

stakeholder: Any person who has a "stake" or interest in the outcome of a decision.

Superfund: The program operated under the legislative authority of CERCLA and the Superfund Amendments and Reauthorization Act of 1986 (SARA) that funds and carries out the EPA solid waste emergency and long-term removal remedial activities. These activities include establishing the National Priorities List, investigating sites for inclusion on the list, determining their priority level on the list, and conducting and/or supervising the ultimately determined cleanup and other remedial actions. See also Comprehensive Environmental Response, Compensation, and Liability Act.

treatment: A method, technique, or process designed to change the physical, chemical, or biological character or composition of contaminated groundwater.

trinitrotoluene (TNT): A manmade chemical used as an explosive in military munitions.

upgradient: The area from which groundwater flows.

UXO: Unexploded ordnance.

volatile organic compound (VOC): Any organic compound that evaporates readily to the atmosphere. For example, benzene is a VOC found in gasoline that can be emitted into the atmosphere when gasoline evaporates. VOCs are also used in paints, plastics, solvents, and other products.

zone of recirculation: A circular zone of groundwater movement created by flow into and out of a recirculating well.

Addendum

CONTAMINANTS OF CONCERN

Abbreviation	Name	Common Description
EDB	Ethylene dibromide	Component of leaded gasoline
PCP	Pentachlorophenol	Pesticide
2,4 – DNT	2,4 –Dinitrotoluene	Propellant related material
Pb	Lead	Small arms round material
2A – DNT	2A –Dinitrotoluene	Explosive related material
4A – DNT	4A –Dinitrotoluene	Explosive related material
2, 6 – DNT	2,6 –Dinitrotoluene	Propellant related material
HMX	High Melting Explosive	Explosive related material
Di-N-butyl phthalate	Di-N-butyl phthalate	Propellant related material
N-nitrosodiphenylamine	N-nitrosodiphenylamine	Propellant related material
Dieldrin	Dieldrin	Pesticide
RDX	Royal Dutch Explosive	Explosive related material
TNT	Trinitrotoluene	Explosive related material
NG	Nitroglycerine	Explosive related material
Perchlorate	Perchlorate	Propellant related material