

NOV 28 1990

JA/5978

- 1 -

Carol C. Amick, Executive Director
Low-Level Radioactive Waste
Management Board
100 Cambridge Street, Room 903
Boston, MA 02202

Dear Ms. Amick:

In response to your letter of November 1, 1990, to Chairman Kenneth Carr of the U.S. Nuclear Regulatory Commission (NRC), we are pleased to assist you in identifying old low-level waste disposal sites in Massachusetts to the extent that our records and information allow. At this time, we are aware of three locations in Massachusetts where onsite disposals by burial were made before 1982. Two of the three sites are the ones mentioned in your letter, Wyman-Gordon Company and Norton Company. The other site is Harvard University in Southborough, MA.

Enclosed with this letter is a list of sites where the NRC has approved onsite burial since 1981. The Harvard University site is the only site in Massachusetts on this list.

Other sites in Massachusetts have become contaminated through means other than authorized waste burial. I understand Ms. Marie Miller, of the NRC Region I Office in King of Prussia, PA, has provided you information concerning these sites, and she will continue to do so in the future as new information is developed. I encourage you to contact Ms. Miller at (215) 337-5246, if the NRC can be of further assistance. I trust that we have responded to your concern.

Sincerely,

(Signature) Robert M. Bernero

Robert M. Bernero, Director
Office of Nuclear Material Safety
and Safeguards

Enclosure: As stated

cc: M. Miller, NRC/RI

EDO-5978

Distribution:	Central File#	NMSS r/f	LLRB r/f	DMartin	HThompson
TCJohnson	JAustin	JGreeves	RBangart	Dir r/f	JBlaha
CJenkins	LLWM t/f	EKraus	EDO 5978	JTaylor	TMartin, R
				JSniezek	

PDR YES NO Category: Proprietary or CF Only

ACNW YES NO *SEE PREVIOUS CONFERENCE

OFC :LLRB* :LLRB* :LLRB* :TEDITOR* :LLWM* :LLWM* :NMSS :NMSS

NAME:DMartin/es:TCJohnson:JAustin :EKraus :JGreeves :RBangart :GArnoffo :RBernero

DATE:11/23/90 :11/23/90 :11/26/90 :11/26/90 :11/26/90 :11/26/90 :11/26/90 :11/28/90

OFFICIAL RECORD COPY

90113J0284 901128
PDR WASTE
WM-3 PDC

Delete: ACNW

40923
WM-3
NL14

U.S. NUCLEAR REGULATORY COMMISSION APPROVALS
OF BURIALS PURSUANT TO 10 CFR SECTION 20.302 SINCE 1981

NRC regulations in 10 CFR Section 20.302 require a licensee to submit an application for approval of disposal by burial, including information necessary for NRC to make a determination that such disposal would not have any adverse affect on the health and safety of the public.

The attached list presents information on NRC approvals for burial of low-level radioactive waste pursuant to 10 CFR 20.302 since January 1, 1981. NRC staff in Headquarters and the Regions have reviewed the information in the list to provide reasonable assurance of its completeness, although the list was compiled without docket-by-docket search due to the thousands of docket files involved. The data is presented for both reactors and non-reactor cases.

Note that the list does not include Agreement State approvals under State regulations that are equivalent to 10 CFR 20.302. Those records are separately maintained by each State as part of their regulatory files.

ENCLOSURE

LICENSEE	LOCATION	STATE	YEAR OF APPROVAL	DISPOSAL TYPE	TYPE OF MATERIAL
Reactor Licensees					
San Onofre	4 mi SE of San Clemente	CA	1981	ONSITE BURIAL	contaminated sand
Oyster Creek	9 mi S of Tom's River	NJ	1982	ONSITE BURIAL	contaminated soil
Turkey Point	25 mi S of Miami	FL	1982	ONSITE BURIAL	contaminated soil
S.B. Robinson	28 mi from Florence	SC	1983	ONSITE BURIAL	contaminated soil
S.B. Robinson	28 mi from Florence	SC	1984	ONSITE BURIAL	settling pond sediment
McGuire	17 mi S of Charlotte	NC	1984	ONSITE BURIAL	settling pond sludge
Sevign-Besse	21 mi ESE of Toledo	OH	1985	ONSITE BURIAL	water treatment pond dredgings
Sevign-Besse	30 mi W of Greenville	SC	1985	ONSITE BURIAL	contaminated sand
Sevign-Besse	30 mi W of Greenville	SC	1985	ONSITE BURIAL	tubes from feedwater heaters
Big Rock Point	4 mi NE of Charlevoix	MI	1986	ONSITE BURIAL	contaminated soil
Cook	11 mi S of Benton Harbor	MI	1988	ONSITE BURIAL	concrete blocks
Fernal	25 mi NE of Toledo, OH	MI	1988	ONSITE BURIAL	contaminated soil
Point Beach	13 mi WNW of Hanftonn	WI	1988	ONSITE BURIAL	sewage sludge
Glenn	BY municipal landfill	NY	1984	OFFSITE BURIAL	contaminated roofing material
Glenn	SC sewage treatment facility	SC	1984	OFFSITE BURIAL	sewage sludge
Windsor Bay	EPA chemical waste landfill	CA	1985	OFFSITE BURIAL	sludge from waste separator
Catawba	NC municipal landfill	NC	1987	OFFSITE BURIAL	contaminated wood
McGuire	NC municipal landfill	NC	1987	OFFSITE BURIAL	contaminated wood
Glenn	SC municipal landfill	SC	1987	OFFSITE BURIAL	contaminated wood

LICENSEE	LOCATION	STATE	YEAR OF APPROVAL	DISPOSAL TYPE	TYPE OF MATERIAL
Non-Reactor Cases					
Harvard University	Southborough	MA	(1)	ONSITE BURIAL (2)	laboratory waste
Montana State University	3 mi NE of Herris	MT	(1)	ONSITE BURIAL (3)	solid waste and scintillation vials
University of Wyoming	5 mi W of Laramie	WY	(1)	ONSITE BURIAL (3)	biological waste and soil
US Dept. of Agriculture	Bushland	TX	(1)	ONSITE BURIAL (4)	liquid wastes
US Dept. of Agriculture	Boltonville	MO	(1)	ONSITE BURIAL (4)	lab and biological waste
Amm	Wood County	WV	1982	ONSITE BURIAL (5)	contaminated soil
Atlantic Research Corp.	Alexandria	VA	1983	ONSITE BURIAL (2)	contaminated soil
Ohio Agricultural Bd	Wester	OH	1983	ONSITE BURIAL (2)	lab and biological waste
Welsh Chemical Corp.	St. Louis	MI	1983	ONSITE BURIAL (4)	contaminated soil
SCA, Eastman Landfills	Bay City	MI	'985	ONSITE BURIAL (4)	contaminated soil
University of Alaska	Fairbanks	AK	1986	OFFSITE BURIAL (2,6)	biological waste and incinerator ash
Amm	Wood County	WV	1987	ONSITE BURIAL (5)	contaminated soil
Analytical Bio-Chemistry Labs	Columbia	MO	1987	ONSITE BURIAL (2)	land application of effluent
National Institutes of Health	Bethesda	MD	1987	ONSITE BURIAL (2)	contaminated tank
University of California	Irving	CA	1988	OFFSITE BURIAL (2,7)	biological waste
Pre-Tech Inc'l, Inc.	SE of Elk City	OK	1989	ONSITE BURIAL (2)	fracturing sand slurry

- (1) approved prior to 1981, but continued
- (2) no significant potential radiation exposure based on environmental transport analysis due to small quantity of radioactive material and/or relatively short half-lives
- (3) no significant potential radiation exposure due to small quantity of radioactive material and remoteness of burial
- (4) no significant potential radiation exposure due to small quantity of radioactive material and access restrictions
- (5) no significant potential radiation exposure due to depth of burial, inaccessibility, and deed restriction or access restriction
- (6) remote research site near Fairbanks, Alaska, owned by the University of Alaska
- (7) three remote research sites in Alaska, owned by the Federal government

~~NOV 28 1990~~
- 1 -

Carol C. Amick, Executive Director
Low-Level Radioactive Waste
Management Board
100 Cambridge Street, Room 903
Boston, MA 02202

Dear Ms. Amick:

In response to your letter of November 1, 1990, to Chairman Kenneth Carr of the U.S. Nuclear Regulatory Commission (NRC), we are pleased to assist you in identifying old low-level waste disposal sites in Massachusetts to the extent that our records and information allow. At this time we are aware of three locations in Massachusetts where onsite disposals by burial were made before 1982. Two of the three sites are the ones mentioned in your letter, Wyman-Gordon Company and Norton Company. The other site is Harvard University in Southborough, MA.

Enclosed with this letter is a list of sites where NRC approved onsite burial since 1981. The Harvard University site is the only site in Massachusetts on this list.

Other sites in Massachusetts have become contaminated through means other than authorized waste burial. I understand Ms. Marie Miller, of our Region I office in King of Prussia, PA, has provided you information concerning these sites, and she will continue to do so in the future as new information is developed. I encourage you to contact Ms. Miller at (215) 337-5246, if we can be of further assistance. I trust that we have responded to your concern.

Sincerely,

Robert M. Bernero, Director
Office of Nuclear Material Safety
and Safeguards

Enclosure: As stated

cc: M. Miller, NRC/RI

EDO-5978

Distribution:	Central File#	NMSS r/f	LLRB r/f	DMartin
TCJohnson	JAustin	JGreeves	RBangart	Dir r/f
CJenkins	LLWM t/f	EKraus		

PDR	YES	___	NO	___	Category: Proprietary	___	or CF Only	___
ACNW	YES	___	NO	___				

OFC	:LLRB*	:LLRB*	:LLRB*	:EDITOR*	:LLWM*	:LLWM	:NMSS	:NMSS
NAME:	DMartin/es:	TCJohnson:	JAustin	:EKraus	:JGreeves	:RBangart	:GARlotto	:RBernero
DATE:	11/23/90	:11/23/90	:11/26/90	:11/26/90	:11/26/90	:11/26/90	: / /90	: / /90

Carol C. Amick, Executive Director
Low-Level Radioactive Waste
Management Board
100 Cambridge Street, Room 903
Boston, MA 02202

Dear Ms. Amick:

In response to your letter of November 1, 1990 to Chairman Kenneth Carr of the U.S. Nuclear Regulatory Commission (NRC), we are pleased to assist you in identifying old low-level waste disposal sites in Massachusetts to the extent our records and information allow. At this time we are aware of three locations in Massachusetts where onsite disposals by burial were made prior to 1982. Two of the three sites are the ones mentioned in your letter, Wyman-Gordon Company and Norton Company. The other site is Harvard University in Southborough, MA.

Enclosed with this letter is a list of sites where NRC approved onsite burial since 1981. The Harvard University site is the only site in Massachusetts on this list.

Other sites in Massachusetts have become contaminated through means other than authorized waste burial. I understand Ms. Marie Miller, of our Region I office in King of Prussia, PA, has provided you information concerning these sites, and she will continue to do so in the future as new information is developed. I encourage you to contact Ms. Miller at (215) 337-5246, if we can be of further assistance.

Sincerely,

Robert M. Bernero, Director
Office of Nuclear Material Safety
and Safeguards

Enclosure: As stated

cc: M. Miller, NRC/RI

EDO-5978

Distribution:	Central File#	NMSS r/f	LLRB r/f	DMartin
TCJohnson	JAustin	JGreeves	RBangart	Dir r/f
CJenkins	LLWM t/f	EKraus		

PDR YES NO Category: Proprietary ___ or CF Only ___
 ACNW YES ___ NO

OFC :LLRB* :LLRB* ^{* See previous} :LLRB :EDITOR :LLWM :LLWM :NMSS :NMSS
 NAME:DMartin/es:TCJohnson:JAustin :EKraus :JGreeves :RBangart :GARlotto :RBernero
 DATE: / /90 : / /90 : 11/20/90 : / /90 : 11/26/90 : / /90 : / /90 : / /90

Carol C. Amick, Executive Director
Low-Level Radioactive Waste
Management Board
100 Cambridge Street, Room 903
Boston, MA 02202

Dear Ms. Amick:

The Nuclear Regulatory Commission (NRC) is pleased to assist you in identifying old low-level waste disposal sites in Massachusetts to the extent our records and information allow. At this time we are aware of three locations in Massachusetts where onsite disposals by burial were made prior to 1982. Two of the three sites are the ones mentioned in your letter, Wyman-Gordon Company and Norton Company. The other site is Harvard University in Southborough, MA.

Enclosed with this letter is a list of sites where NRC approved onsite burial since 1981. The Harvard University site is the only site in Massachusetts on this list.

Other sites in Massachusetts have become contaminated through means other than authorized waste burial. I understand Ms. Marie Miller, of our Region I office in King of Prussia, PA, has provided you information concerning these sites, and she will continue to do so in the future as new information is developed. I encourage you to contact Ms. Miller at (215) 337-5246, if we can be of further assistance.

Sincerely,

Robert M. Bernero, Director
Office of Nuclear Material Safety
and Safeguards

Enclosure: As stated

cc: M. Miller, NRC/RI

EDO-5978

Distribution:	Central File#	NMSS r/f	LLRB r/f	DMartin
TCJohnson	JAustin	JGreeves	RBangart	Dir r/f
CJenkins	LLWM t/f			

PDR YES NO Category: Proprietary or CF Only
 ACNW YES NO

E/Kraus

OFC	:LLRB	:LLRB	:LLRB	:LLWM	:LLWM	:NMSS	:NMSS	:
NAME:	DMartin/es	TCJohnson	JAustin	JGreeves	RBangart	GArlotto	RBernero	:
DATE:	11/23/90	11/23/90	1/90	1/90	1/90	1/90	1/90	: