

MAY 21 1997

ALL AGREEMENT STATES AND NON-AGREEMENT STATES
STATE LIAISON OFFICERS

TRANSMITTAL OF STATE PROGRAM INFORMATION (SP-97-035)

Your attention is invited to the enclosed correspondence which contains:

INCIDENT AND EVENT INFORMATION.....

PROGRAM MANAGEMENT INFORMATION... XX

FINAL DECOMMISSIONING
RULE

TRAINING COURSE INFORMATION.....

TECHNICAL INFORMATION.....

OTHER INFORMATION.....

Supplementary information: I have attached a Staff Requirements Memorandum dated May 21, 1997, and a Press Release relating to the Commission's approval of a final rule establishing new radiological criteria for decommissioning of lands and structures at NRC-regulated facilities.

We will provide you a copy of the final rule in early June when it is scheduled for publication in the Federal Register.

If you have any questions regarding this correspondence, please contact me or the individual named below.

POINT OF CONTACT: Tom O'Brien
TELEPHONE: (301) 415-2308
FAX: (301) 415-3502
INTERNET: TJO@NRC.GOV

Original Signed By
RICHARD L. BANGART
Richard L. Bangart, Director
Office of State Programs

Enclosures:
As stated

Distribution:
DIR RF
SDroggitis
TO'Brien
AS File

DCD (SP 03)
PDR (YES X NO)

FAXED TO A/S AND NON-A/S: 5/21/97

DOCUMENT NAME: G:\SP97035.PHL

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	OSP:DD	OSP:D						
NAME	PHLohaus:nb	RBangart						
DATE	05/21/97	05/21/97						

OSP FILE CODE: SP-A-4

050058

FILE CENTER COPY

9706060168 970521
PDR STPRG ESGGEN
PDR



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

May 21, 1997

ALL AGREEMENT STATES AND NON-AGREEMENT STATES
STATE LIAISON OFFICERS

TRANSMITTAL OF STATE PROGRAM INFORMATION (SP-97-035)

Your attention is invited to the enclosed correspondence which contains:

INCIDENT AND EVENT INFORMATION.....

PROGRAM MANAGEMENT INFORMATION... XX

FINAL DECOMMISSIONING
RULE

TRAINING COURSE INFORMATION.....

TECHNICAL INFORMATION.....

OTHER INFORMATION.....

Supplementary information: I have attached a Staff Requirements Memorandum dated May 21, 1997, and a Press Release relating to the Commission's approval of a final rule establishing new radiological criteria for decommissioning of lands and structures at NRC-regulated facilities.

We will provide you a copy of the final rule in early June when it is scheduled for publication in the Federal Register.

If you have any questions regarding this correspondence, please contact me or the individual named below.

POINT OF CONTACT:	Tom O'Brien
TELEPHONE:	(301) 415-2308
FAX:	(301) 415-3502
INTERNET:	TJO@NRC.GOV

Richard L. Bangart
Richard L. Bangart, Director
Office of State Programs

Enclosures:
As stated

May 21, 1997

IN RESPONSE: PLEASE
REFER TO: M970521

MEMORANDUM TO: L. Joseph Callan
Executive Director for Operations

FROM: John C. Hoyle /s/

SUBJECT: STAFF REQUIREMENTS - AFFIRMATION SESSION,
9:30 A.M. WEDNESDAY, MAY 21, 1997, COMMISSIONERS
CONFERENCE ROOM, ONE WHITE FLINT NORTH,
ROCKVILLE, MARYLAND (OPEN TO PUBLIC
ATTENDANCE)

I. SECY 97-046A - FINAL RULE ON RADIOLOGICAL CRITERIA FOR
LICENSE TERMINATION

The Commission* approved a final rule which would revise 10 CFR Part 20 to provide specific radiological criteria for the decommissioning of lands and structures at NRC-regulated facilities and to establish a clear and consistent regulatory basis for determining the extent to which lands and structures must be remediated before decommissioning of a site can be considered complete and the license terminated. In reaching its decision to approve the final rule, the Commission addressed the following specific issues:

- Dose Criteria for Release of a Site to Unrestricted Use

The Commission adopted a 25 mrem/year all-pathways dose limit coupled with a requirement to reduce radiological doses resulting from residual radioactivity to levels that are as low as reasonably achievable. The Commission believes that these criteria are consistent with the recommendations of national and international bodies tasked with the development of guidance for radiation protection; are appropriately based on risk, cost-benefit, and socio-economic standards; provide the needed flexibility to accommodate site-specific conditions; and are sufficiently conservative to ensure

* Section 201 of the Energy Reorganization Act, 42 U.S.C.

9705230037 311

Section 5841, provides that action of the Commission shall be determined by a "majority vote of the members present." Commissioner Diaz was not present when this item was affirmed. Accordingly, the formal vote of the Commission was 4-0 in favor of the decision. Commissioner Diaz, however, had previously indicated that he would approve this paper, and had he been present, he would have affirmed his prior vote.

adequate protection of public health and safety and the environment.

- Separate Groundwater Protection Standard

The Commission did not adopt a separate groundwater protection standard as proposed by the Environmental Protection Agency (EPA) because the Commission believes that a separate single pathway standard for groundwater would not provide any significant enhancement of public health and safety and is unnecessary since the NRC final rule's all-pathways standard of 25 mrem/year plus ALARA should ensure adequate protection of public health and safety. Imposition of separate groundwater standards could also have the adverse effect of delaying cleanup and increasing public risk. Moreover, the Commission was not convinced that EPA's separate groundwater maximum contaminant levels were appropriately derived or soundly based from a technical standpoint.

- Alternate Criteria

The Commission adopted the NRC staff's recommendation to use alternate criteria for license termination for certain difficult sites since codifying such an approach in the text of the rule is expected to greatly reduce the likelihood that licensees will seek exemptions from the requirements of the regulation. Nevertheless, the Commission also approved a revision to section 20.1404 in the text of the final rule to require the NRC staff to obtain Commission approval for each application of the alternative criteria, to solicit comment from EPA during the public comment period required under section 20.1405 of the final rule, and to ensure a more substantive level of public participation. The

Commission expects the use of such criteria to be relatively rare. (Specific, Commission-approved changes to section 20.1404 are contained in the attachment to this SRM).

- Public Participation

The Commission, in the absence of a provision that requires a Site Specific Advisory Board, which had been included in the proposed rule but not in the final rule, agreed to modify the final rule to require licensees proposing to decommission by restricting use of a site, or through the use of alternate criteria, to provide for participation by a broad cross section of community interests, an opportunity for a comprehensive discussion on the issues by participants, and to make public a summary of the results of such discussions. (Specific, Commission-approved changes to section 20.1403(d) of the final rule are contained in the attachment to this SRM).

- Agreement State Compatibility Level

The Commission adopted Compatibility Level 2, as proposed by the NRC staff. This will afford the Agreement States flexibility to account for local needs and conditions.

The staff is directed to incorporate the attached specific changes to the final rule and forward the Federal Register notice to the Office of the Secretary for signature and publication.

(EDO)

(SECY Suspense:

6/03/97)

Attachment: As stated

cc: Chairman Jackson
Commissioner Rogers
Commissioner Dicus

Commissioner Diaz
Commissioner McGaffigan
OGC
OCA
OPA
OIG
Office Directors, Regions, ACRS, ACNW, ASLBP (via E-Mail)
PDR - Advance
DCS-P1-17

SPECIFIC COMMENTS ON FINAL RULE ON RADIOLOGICAL CRITERIA

FOR LICENSE TERMINATION (SECY 97-046A)

1. The rule is being completed on an expedited basis, and as a result, guidance documents are not available for Commission review. Since the guidance documents can have a significant impact on how this rule is implemented, the staff should provide all guidance documents to the Commission for review and approval prior to publication no later than February 21, 1998.

2. The Statement of Considerations (p. 41) and the text of the rule (p. 122) are inconsistent in describing and defining the term "Critical Group". The staff should resolve the inconsistency and make appropriate changes to the final rule package prior to publication.

3. The following changes to section 20.1403(d) (underlined) should be incorporated in the final rule:

(d) The licensee has ... advice.

(A) Licensees proposing to decommission by restricting use of the site shall seek advice from such affected parties regarding the following matters concerning the proposed decommissioning--

(1)

(i) ...;

(ii) ...;

(iii) ...;

(2) ...;

(B) In seeking advice on the issues identified in Section 20.1403(d)(A), the licensee shall provide for:

(1) participation by representatives of a broad cross section of community interests who may be affected by the decommissioning;

(2) an opportunity for a comprehensive, collective discussion on the issues by the participants represented; and

(3) a publicly available summary of the results of all such discussions, including a description of the individual viewpoints of the participants on the issues and the extent of agreement and disagreement among

the participants on the issues; and

(e)

4. The following changes to section 20.1404 (underlined) should be incorporated in the final rule:

20.1404 Alternate criteria for license termination

(a) The Commission may ...

- (1) Provides assurance that ...
- (2) Has employed ...
- (3) Reduced doses to

(b) Licensees proposing to decommission by use of alternate criteria to terminate a license pursuant to paragraph (a) of this section shall seek advice from affected parties regarding this approach. In seeking such advice, the licensee shall provide for:

(1) participation by representatives of a broad cross section of community interests who may be affected by the decommissioning;

(2) an opportunity for a comprehensive, collective discussion on the issues by the participants represented; and

(3) a publicly available summary of the results of all such discussions, including a description of the individual viewpoints of the participants on the issues and the extent of agreement and disagreement among the participants on the issues; and

(c) The use of alternate criteria to terminate a license requires the approval of the Commission after consideration of the NRC staff's recommendations that will address any comments provided by the Environmental Protection Agency and any public comments submitted pursuant to section 20.1405.

5. The following change (underlined) to section 20.1405(a) should be incorporated in the final rule:

(a) Notify and solicit comments from the Environmental Protection Agency, local and state

6. Conforming changes to reflect the revisions in 3 and 4 above are needed in other regulations that reference these sections. The staff should also modify the Statement of Considerations accompanying the final rule to indicate that the staff will receive and review public comments gathered by the licensee prior to final NRC action on the licensee's request for license termination. The Statement of Considerations should also describe the other opportunities for NRC interaction with the public on individual site decommissioning applications.

7. The public announcement should be modified to include a general discussion of the Commission's position, as described in this SRM, on the 25 mrem/yr limit, groundwater protection, alternate criteria, public participation, and compatibility. In addition, the announcement should include additional illustrations of an individual's average exposure to typical sources of radiation (e.g., medical diagnosis at 53 mrem/yr) to provide perspective for the public on the conservatism in the 25 mrem/yr limit.

8. A note should be made in the analysis of comments that EPA's MCLs are based upon outmoded modeling that does not reflect current understandings of the uptake and doses resulting from ingestion of radionuclides through drinking water.

9. The Regulatory Analysis, on pages 3 and 4, states that the criteria would not apply to sites which have submitted a sufficient license termination plan or decommissioning plan within [6 months after the effective date of the final rule] and such a plan is approved by NRC within [18 months after the effective date of the final rule]. These times are 12 and 24 months respectively in the Federal Register. Staff should clarify these times.

10. In the GEIS, p.3-3, citation of regulations, categorization of facilities, item 1, it is stated that sealed source users are licensed under Parts 30, 33, and 35, but did not include Parts 34, 36, or 39. In item 2, it cites Parts 30, 33, and

35 in discussion of short-lived byproduct radionuclides, but does not include Part 39 for I-131 use. The GEIS should list all the parts of the regulations, or state "licensed pursuant to Part 30" (such as in sections 30.31 and 30.34).

11. The Commission is aware that there are peculiarities in the models used for site release in that there is area dependence in the dose calculations. The NRC staff should develop comprehensive guidance on how previously released portions of licensed sites may need to be revisited to address this issue. The Federal Register notice should be revised to make clear such consideration may be necessary.

12. The guidance the staff develops to implement the public participation provisions in sections 20.1403(d) and 20.1404 (b) of the final rule should include criteria for establishing and using Site Specific Advisory Boards (SSABs). The criteria should be such that the expected starting point in providing an opportunity for public participation would be the establishment of an SSAB; however, the criteria should delineate those situations in which an SSAB would not be appropriate.

13. Prior to submitting the text of the final rule to the Federal Register, section F.6.3 of the Statement of Considerations should be revised to augment the basis for the Commission's decision with respect to radon.

14. The scope of the final rule should be revised to exclude facilities that are currently subject to Appendix A to 10 CFR Part 40. The Commission has considered the difficulties associated with the decommissioning of these unique facilities, some of which are also subject to EPA standards under UMTRCA, and is concerned that the complexities of this issue may have been overshadowed by other provisions of the rule. Therefore, the Commission believes that this aspect of the rule warrants additional consideration by the NRC and the affected parties. Without prejudice to the approach described in SECY 97-046A and on an expedited basis, the staff should develop a rule which addresses license termination for these facilities. In the interim, the staff should continue its current practice for decommissioning uranium and thorium mills and in-situ leach facilities.

United States Nuclear Regulatory Commission
Office of Public Affairs
Washington, DC 20555
Phone 301-415-8200 Fax 301-415-2234
Internet:opa@nrc.gov

No. 97-083

FOR IMMEDIATE RELEASE
(Wednesday, May 21, 1997)

NRC APPROVES MAXIMUM PERMISSIBLE RADIATION LEVELS
FOR LICENSE TERMINATION

The Nuclear Regulatory Commission has approved an amendment to its regulations to establish maximum permissible radiation levels when a nuclear facility permanently shuts down, is released for other uses, and the license is terminated.

The new rules will require licensees of permanently shutdown facilities to reduce remaining radioactivity to sufficiently low levels to permit the license to be terminated safely. Release of the property may be either:

- Unrestricted, in which case it could be used for any purpose, or
- Restricted, so that it could not be used for certain purposes, such as residential housing.

The Commission believes that the new standards are consistent with specific recommendations of both national and international bodies tasked with the development of guidance for radiation protection; are appropriately based on risk, cost-benefit, and socio-economic standards; provide the needed flexibility to accommodate site-specific conditions; and are sufficiently conservative to ensure protection of public health and safety and the environment.

Unrestricted Release

Under the new regulations, a site may be released for unrestricted use if the radiation dose from contamination remaining on the property will be as far below 25 millirems per year as is reasonably achievable. (Twenty-five millirems may be compared to a dose of about 5 millirems of background radiation from one round-trip cross-country airline flight; 50 millirems average per year from medical examinations; and 300 millirems per year average in the United States from natural background radiation.)

Restricted Release

The new regulations permit release of a site for restricted use provided that the dose from contamination remaining on site is as low as is reasonably achievable and that legally enforceable institutional controls (such as deed restrictions) will ensure that the dose does not exceed 25 millirems per year.

In addition, if a site is released for restricted use, the licensee must provide financial arrangements to allow an independent third party to assume and carry out responsibilities for any necessary control and maintenance of the site.

Further, a licensee that intends to decommission by restricting use of the site must seek advice--from individuals and institutions in the community who may be affected by the decommissioning--on whether the provisions for institutional controls proposed by the licensee (1) will provide reasonable assurance that the radiation dose from contamination remaining on site will not exceed 25 millirems per year, (2) will be enforceable, and (3) will not impose undue burdens on the local community or other affected parties.

In obtaining this advice, the licensee must provide for participation by a broad cross-section of community interests, provide an opportunity for a comprehensive discussion on the issues by participants, and make public a summary of the results of such discussions.

The Commission expects that institutional controls will be very effective in keeping doses to levels below 25 millirems per year. Nevertheless the Commission has included an additional level of protection in the rule to protect against the situation where the 25-millirems-per-year level could be exceeded by requiring that licensees provide reasonable assurance that, if the institutional controls were no longer in effect, the maximum yearly radiation dose from contamination remaining on site would not exceed 100 millirems per year, and be as low as is reasonably achievable.

Licensees in rare circumstances could also propose that, in the event institutional controls were no longer in effect, the residual radioactivity could be as high as 500 millirems per year. However, licensees who propose to use the 500-millirem criterion must (1) demonstrate that further reductions in remaining radioactivity are not technically achievable, would be prohibitively expensive, or would result in net public or environmental harm; (2) make provision for durable institutional controls, such as engineered barriers or government control or ownership; and (3) provide sufficient financial resources to enable an independent third party to carry out periodic rechecks of the site at least every 5 years to make sure that the

institutional controls remain in place, and to assume and carry out responsibilities for any necessary controls and maintenance of those controls.

Alternate Criteria for License Termination

The Commission expects the vast preponderance of licensees to reduce residual radioactivity to levels that meet the new criteria for unrestricted or restricted release. However, the Commission is concerned about the possible presence of certain difficult sites that could present unique decommissioning problems.

Because it is preferable to have provisions in the rule to deal with these sites rather than have licensees seek an exemption process outside the rule, the rule contains provisions under which the Commission may terminate a license using alternate criteria, greater than 25 millirems per year, if the licensee provides assurance that public health and safety would continue to be protected, and that it was unlikely that the radiation dose from all potential man-made sources combined would be more than 100 millirems per year. The licensee must also place restrictions on site use to the extent practical and reduce the radiation dose to levels that are as low as reasonably achievable.

The Commission expects the use of alternate criteria to be confined to rare situations. To ensure that this is the case, the Commission is requiring that licensees who propose to use alternate criteria must seek advice or comment from affected parties and, as in the case where restricted release is sought, provide for participation by representatives of a broad cross-section of community interests who may be affected by the decommissioning, an opportunity for a comprehensive, collective discussion on the issues, and a publicly available summary of the results of all such discussions.

In addition, the use of alternate criteria to terminate a license will require the approval of the Commission, after consideration of NRC staff recommendations that address any comments provided by the Environmental Protection Agency and by the public.

Public Input

To provide ample opportunities for public comment, when the Commission receives a license termination or decommissioning plan, or a proposal for restricted release of a site or release using alternate criteria, the agency will publish a notice in the Federal Register. In addition, it will provide local notification via a notice in local newspapers, letters to state or local organizations, or other appropriate means. It will also

notify the Environmental Protection Agency, appropriate local and state governments and Indian Nations and solicit their comments.

Specific additional requirements for public input are described above for the restricted use and alternate criteria cases.

Proposed and Final Rule

A proposed rule on this subject was published for public comment on August 22, 1994. The full text of the final rule and a description of specific changes made as a result of the comments received on the proposed rule, and additional NRC analysis, will be contained in a Federal Register notice to be published soon.

The Commission did not adopt a separate groundwater protection standard, as recommended by the Environmental Protection Agency. NRC agrees with the need to control exposures from drinking groundwater that is potentially contaminated and agrees that the environmental integrity of the nation's groundwater needs to be protected. However, NRC has concluded that protection of public health and safety in the use of this valuable resource is achieved by limiting exposure to persons from all potential pathways of exposure (i.e., radiation from the ground, eating food from soil or fish from surface water, inhalation of dust, etc.), including the groundwater pathway, to as far below 25 millirems per year as is reasonably achievable and that imposition of a separate standard for groundwater would not provide any significant enhancement of public health and safety and is therefore unnecessary.

Yesterday Shirley Ann Jackson, Chairman of the NRC, met with Fred Hansen, Deputy Administrator of the Environmental Protection Agency (EPA), to discuss the proposed final rule. At that meeting, she discussed the features of the rule, and NRC's position on the adequacy of the 25-millirems-per-year all pathways standard, the concept of "as low as is reasonably achievable" (ALARA) included in the NRC's rule, and the NRC's position that, in light of the all pathways standard and ALARA, there is no need for a separate groundwater standard. Hansen expressed EPA's interest in continuing discussions with NRC regarding timely notice to EPA of proposed NRC license termination in some specific categories of cases. The Commission has agreed to continue a dialogue with EPA following finalization of the rule.

The new cleanup criteria for decommissioning will not apply to sites already covered by a license termination or decommissioning plan approved previously by the Commission or approved within 24 months of the effective date of the rule (which will be announced in the Federal Register).

The final rules that the Commission has promulgated will generally apply to most NRC licensees and to most licensees regulated by Agreement States (which are states that have assumed, by mutual agreement, part of the NRC's regulatory authority). An Agreement State may implement more stringent standards if it finds a need to impose such standards for local conditions.

###

TIME SENSITIVE INFORMATION

U. S. NUCLEAR REGULATORY COMMISSION
OFFICE OF STATE PROGRAMS

OFFICE OF STATE PROGRAMS FAX: (301) 415-3502

NUMBER OF PAGES: 15 including this page

DATE: MAY 21, 1997

TO: RADIATION CONTROL PROGRAM DIRECTORS IN
AGREEMENT STATES AND NON-AGREEMENT STATES

NRC REGIONAL STATE AGREEMENTS OFFICERS
NRC REGIONAL STATE LIAISON OFFICERS

FROM: RICHARD L. BANGART, DIRECTOR
OFFICE OF STATE PROGRAMS

SUBJECT: SP-97-035 FINAL DECOMMISSIONING RULE

VERIFICATION - 415-3340

< TRANSACTION REPORT >

05-22-1997(THU) 06:57

[TRANSMIT]

NO.	DATE	TIME	DESTINATION STATION	PG.	DURATION	MODE	RESULT
32178	5-22	06:49	NYSERDA <i>Spach</i>	15	0° 07' 58"	NORMAL	OK
				15	0° 07' 58"		

< TRANSACTION REPORT >

05-22-1997(THU) 06:46

[TRANSMIT]

NO.	DATE	TIME	DESTINATION STATION	PG.	DURATION	MODE	RESULT
32177	5-22	06:37	518 457 5545	15	0°08'50"	NORM.E	OK
				15	0°08'50"		

< TRANSACTION REPORT >

05-22-1997(THU) 02:31

[BROADCAST]

NO.	DATE	TIME	DESTINATION STATION	PG.	DURATION	MODE	RESULT
32164	5-22	00:55	00000000000000	15	0° 06' 45"	NORM.E	OK
32165		01:02	360 753 1496	15	0° 06' 37"	NORM.E	OK
32166		01:09	304 558 0524	15	0° 06' 40"	NORM.E	OK
32167		01:16	608 2674799	15	0° 06' 46"	NORM.E	OK
32168		01:23	WYOMING RCP	15	0° 07' 42"	NORM.E	OK
32169		01:31	518 457 2225	15	0° 07' 02"	NORM.E	OK
32170		01:38	518 457 5545	13	0° 08' 35"	NORM.E	U010
32171		01:47	NEW YORK CITY	15	0° 06' 47"	NORM.E	OK
32172		01:54	502 227 7862	15	0° 07' 35"	NORMAL	OK
32173		02:02	WASHINGTON DC	15	0° 06' 36"	NORM.E	OK
32174		02:09	7996726	15	0° 06' 40"	NORM.E	OK
32175		02:16	512 239 6362	15	0° 06' 47"	NORM.E	OK
32176		02:23	8097586285	15	0° 07' 55"	NORM.E	OK
				193	1° 32' 27"		

< TRANSACTION REPORT >

05-22-1997(THU) 00:54

[BROADCAST]

NO.	DATE	TIME	DESTINATION STATION	PG.	DURATION	MODE	RESULT
32139	5-21	21:41	6177272098	15	0° 07' 25"	NORM.E	OK
32140		21:49	517 335 8706	15	0° 06' 44"	NORM.E	OK
32141		21:56	612 215 0976	15	0° 06' 43"	NORM.E	OK
32142		22:03	601+354+6167	15	0° 09' 42"	NORMAL	OK
32143		22:13	314 751 6010	15	0° 06' 49"	NORM.E	OK
32144		22:20	406 444 2606	15	0° 06' 46"	NORM.E	OK
32145		22:27	402 471 9449	15	0° 06' 36"	NORM.E	OK
32146		22:34	7026875751	15	0° 09' 44"	NORMAL	OK
32147		22:44	603 225 2325	15	0° 06' 49"	NORM.E	OK
32148		22:51	DEPE RADIATION	15	0° 06' 50"	NORM.E	OK
32149		22:58	5058271544	15	0° 09' 21"	NORMAL	OK
32150		23:08	518 458 6434	15	0° 06' 47"	NORM.E	OK
32151		23:15	919 571 4148	15	0° 06' 41"	NORM.E	OK
32152		23:22	701 328 5200	15	0° 06' 37"	NORM.E	OK
32153		23:29	OHIO	15	0° 06' 46"	NORM.E	OK
32154		23:36	405 271 8425	15	0° 06' 36"	NORM.E	OK
32155		23:43	503 731 4081	15	0° 06' 36"	NORM.E	OK
32156		23:50	PENNSYLVANIA	15	0° 06' 44"	NORM.E	OK
32157		23:57	401 277 2456	15	0° 12' 14"	NORM.E	OK
32158		5-22 00:10	8037377412	15	0° 06' 46"	NORM.E	OK
32159		00:17	605 773 6667	15	0° 06' 48"	NORM.E	OK
32160		00:24	615 532 7938	15	0° 06' 42"	NORM.E	OK
32161		00:31	5128346708	15	0° 07' 25"	NORM.E	OK
32162		00:39	801 533 4097	15	0° 07' 43"	NORM.E	OK
32163		00:47	8028657745	15	0° 07' 25"	NORM.E	OK
				375	3° 05' 19"		

< TRANSACTION REPORT >

05-21-1997(WED) 21:40

[BROADCAST]

NO.	DATE	TIME	DESTINATION STATION	PG.	DURATION	MODE	RESULT
32114	5-21	18:15	610 337 5324	15	0° 06' 44"	NORM.E	OK
32115		18:22	404 562 4955	15	0° 06' 45"	NORM.E	OK
32116		18:29	7085151096	15	0° 13' 15"	NORM.E	OK
32117		18:42	817 860 8122	15	0° 08' 49"	NORM.E	OK
32118		18:51	5109750381	15	0° 06' 55"	NORM.E	OK
32119		18:59	334 613 5387	15	0° 12' 27"	NORM.E	OK
32120		19:12	9075861877	15	0° 06' 51"	NORM.E	OK
32121		19:19	6024370705	15	0° 09' 29"	NORMAL	OK
32122		19:29	5016612468	15	0° 07' 28"	NORM.E	OK
32123		19:36	0111916 3243610	15	0° 06' 40"	NORM.E	OK
32124		19:43	303 343 3697	15	0° 07' 22"	NORM.E	OK
32125		19:51	CONNECTICUT	15	0° 08' 22"	NORM.E	OK
32126		20:00	3027393839	15	0° 06' 38"	NORM.E	OK
32127		20:07	904 487 0435	15	0° 06' 50"	NORM.E	OK
32128		20:14	404 362 2653	15	0° 06' 45"	NORM.E	OK
32129		20:21	HAWAII	15	0° 06' 58"	NORM.E	OK
32130		20:28	208 334 2382	15	0° 09' 43"	NORMAL	OK
32131		20:38	217 524 4724	15	0° 06' 43"	NORM.E	OK
32132		20:45	INDIAN	15	0° 06' 35"	NORM.E	OK
32133		20:52	515 242 6284	15	0° 06' 44"	NORM.E	OK
32134		20:59	913 296 0984	15	0° 07' 26"	NORM.E	OK
32135		21:07	502 564 6533	15	0° 06' 37"	NORM.E	OK
32136		21:14	LOUISIANA	15	0° 08' 38"	NORM.E	OK
32137		21:23	MAINE	15	0° 09' 19"	NORMAL	OK
32138		21:33	410 631 3198	15	0° 07' 25"	NORMAL	OK
				375	3° 17' 28"		

< TRANSACTION REPORT >

05-21-1997(WED) 17:32

[BROADCAST]

NO.	DATE	TIME	DESTINATION STATION	PG.	DURATION	MODE	RESULT
32110	5-21	17:02	PENNSYLVANIA	15	0° 06 ' 43 "	NORM.E	OK
32111		17:09	405 271 8425	15	0° 06 ' 42 "	NORM.E	OK
32112		17:16	6177272098	15	0° 07 ' 24 "	NORM.E	OK
32113		17:25	OHIO	15	0° 06 ' 43 "	NORM.E	OK
				60	0° 27 ' 32 "		

< TIMER COMMUNICATION CARD >

05-21-1997(WED) 16:43

NO.	RESERVED ITEM	RESRV. DATE	CALL	DESTINATION STATION
164333	BROADCAST	5-21 16:43	18:15	RG RGNII RGNIII RGNIV RIV/WC ALABAMA ALASKA ARIZONA ARKANSAS CALIFORNIA COLORADO CONNECTICUT DELAWARE FLORIDA GEORGIA HAWAII IDAHO ILLINOIS RCP 1 INDIAN IOWA KANSAS KENTUCKY LOUISIANA MAINE MARYLAND MASSACHSETTS MICHIGAN MINNESOTA MISSISSIPPI MISSOURI MONTANA NEBRASKA NEVADA NEW HAMPSHIRE NEW JERSEY NEW MEXI NEW YORK DEPT HEALTH NORTH CAROLINA NORTH DAKOTA OHIO OKLAHOMA OREGON PENNSYLVANIA RHODE ISLAND SC RCP SOUTH DAKOTA TENNESSEE TEXAS RCP UTAH VERMONT VIRGNIA WASHINGTON WEST VIRGINIA WISCONSIN WYOMING RCP NEW YORK DEPT ENVIR

NEW YORK LABOR
NEW YORK CITY
CRCPD
WASHINGTON DC
SC WASTE SECTION
TX NATURAL RESOUC
PVERTO RICO
