



DEPARTMENT OF THE NAVY  
OFFICE OF THE CHIEF OF NAVAL OPERATIONS  
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24 Sep 99

From: Chairman, Naval Radiation Safety Committee  
To: Distribution

Subj: MINUTES OF NAVAL RADIATION SAFETY COMMITTEE MEETING  
THIRD QUARTER, CY-1999

Encl: (1) Quarterly Meeting Agenda  
(2) Executive Secretary Report  
(3) NRMP Action Summary  
(4) Inspection Summary  
(5) Radiation Health Program Overview for CY-98

1. The Naval Radiation Safety Committee (NRSC) convened at 1045 on Friday, September 10, 1999, to discuss agenda items provided in enclosure (1). The following individuals were in attendance:

RADM A. Granuzzo	Chairman, NRSC
CDR G. Higgins	Executive Secretary, NRSC
CAPT P. Blake	BUMED
CDR D. Farrand	NAVSEA 04N
CDR S. Doremus	OIC, NAVSEADET RASO
LCDR S. Wolff	NEHC
LCDR P. Liotta	HQMC(SD)
Mr. M. McGown	NAVSEA 08R
Mr. M. Fuller	NRC Region II
Mr. M. Lesser	NRC Region II

2. RADM Granuzzo opened the meeting by welcoming the committee members to the NRSC Meeting, Third Quarter, 1999.

a. CDR Higgins discussed the status of pending and new NRSC action items for the quarter. One pending item remains open and five new items were added, three of which still remain open. The status of pending and new items are described in enclosure (2).

b. LCDR Wolff of the Navy Environmental Health Center (NEHC) and CDR Doremus of the Radiological Affairs Support Office (RASO) discussed the status of Naval Radioactive Materials Permit (NRMP) actions and inspections conducted during the quarter. NRMP

mc24

Subj: MINUTES OF THE NAVAL RADIATION SAFETY COMMITTEE MEETING

actions completed are listed as enclosures (3) and (4), respectively. The current number of NRMPs is 148, of these, 29 are managed by NEHC, with the balance, 119 managed by RASO.

c. CAPT Blake presented an overview of radiation exposures for CY-98 for personnel whose principle source of exposure is from NRC licensed materials. The review demonstrated a downward trend (43% decrease) in the number of personnel monitored during the past five years. Similarly, there was a 47% and 33% decrease in the gamma and neutron exposures, respectively, during the same five-year period. This trend is due to the reduction in Fleet operational nuclear platforms, weapons stockpile reductions in support of treaty commitments, and a smaller nuclear work force.

The average Man-REM (gamma + neutron) for individuals receiving an exposure during CY-98 (annual exposure > 0 REM) was reported to be 00.025 REM. This demonstrates a 17% reduction in the average Man-REM when compared to CY-94. Additionally, the exposure data was further subdivided by occupational use-code categories and appears as enclosure (5).

d. RADM Granuzzo afforded the NRC an opportunity to discuss any issues of programmatic interest.

- Mr. Fuller mentioned that the NRSC request for an exemption from specific labeling requirements for Marine Corps fire control devices had been received by the NRC.

- With regards to the accidental incineration of radionuclides from the National Naval Medical Center, Mr. Fuller agreed with the NRSC, that modeling the release using the Environmental Protection Agency's COMPLY program would yield a highly conservative estimate. In reality, the stack gas emission temperature would be greater than the ambient air and would rise to a much higher altitude, resulting in significantly greater dispersion and a reduced dose delivered to individuals.

- Mr. Fuller requested that the NRSC prepare a depleted uranium recovery plan prior to their return to Vieques, Puerto Rico. The recovery plan will be reviewed by NRC Headquarters and used as the foundation of their inspection of Navy's DU recovery and restoration actions. The NRSC concurred with the request and tasked RASO and NAVSEA-04N jointly with the preparation. RADM Granuzzo requested guidance on content and was informed by the NRC that the plan should include acceptance criteria, recovery procedures, and instruments to be used during the recovery.

Subj: MINUTES OF THE NAVAL RADIATION SAFETY COMMITTEE MEETING

- Mr. Lesser discussed the recent revelation by the Department of Energy (DOE) that analysis of samples of depleted uranium (DU) contained trace amounts of transuranics including neptunium, plutonium, americium, and technetium. The composition of the DU is 99% U-238 and less than 0.1% trace contaminants. The presence of transuranic contamination will not increase the radiation dose delivered or alter the chemical toxicity of the DU. The question was raised to the NRC if all DU used by the Department of Defense was confirmed to be contaminated. Mr. Lesser indicated that the extent of contamination was not known but that DOE had been tasked with further radioanalysis. The NRC will provide further guidance as it becomes available and will advise the NRSC if an amendment to the Master Materials License will become necessary.

- RADM Granuzzo thanked the NRC for their comments and closed the meeting.

3. The NRSC Meeting for the Third Quarter 1999 was adjourned at 1130 by RADM Granuzzo. The date for the next meeting of the NRSC is tentatively scheduled for Monday, December 6, 1999 at 1030.



A. A. GRANUZZO  
Rear Admiral, U.S. Navy

Copy to:  
NRSC Members  
COMNAVSEASYSKOM (08R)  
NRC Reg. II (ATTN: M. Fuller)  
NRC Headquarters (ATTN: Ms. S. Woods, Mail Stop 6H3)

**NAVAL RADIATION SAFETY COMMITTEE  
MEETING OF 10 September 1999**

**AGENDA**

- a. **Executive Secretary Report/NRSC Action Items -- N455**
  - Update on expenditure of DU at Vieques, PR
  - Closure of two NRC allegations
  - Annual gamma radiography report to NRC
  - Gamma radiography inspection, NAVSHIPYD Pearl Harbor, HI
  - Incineration of radioisotopes from NNMC Bethesda
  - Y2K compliance of NRMP permitted material and devices
  
- b. **Updates on permitting and inspection actions -- NEHC/RASO**
  
- c. **Annual Summary of Personnel Radiation Exposures -- CAPT Blake**
  
- d. **NRC Presentation Period -- NRC Region II**

**The tentative date for the Fourth Quarter CY-1999 meeting of the NRSC is Wednesday, December 8, 1999, at 1030, Crystal Plaza 5, Room 635.**

**Naval Radiation Safety Committee Meeting**  
**3<sup>rd</sup> Quarter 1999**  
**September 10, 1999**

1. N45 Opening Remarks-

Admiral Granuzzo welcomes NRC Region II and Headquarters Representatives.

Mr. Michael Fuller	NRC Region II Navy MML Program Manager
Mr. Mark Lesser	NRC Region II
Dr. Donna-Beth Howe	NRC Headquarters, MML Program Office

2. Executive Secretary NRSC welcomes visitors and introduces NRSC Members:

RADM Granuzzo	Chairman, Naval Radiation Safety Committee Director, Environmental Protection, Safety and Occupational Health Division
CAPT Blake	Bureau of Medicine and Surgery (Code 211) Office of Undersea Medicine and Radiation Health
CDR Farrand	Director, Radiological Controls Program Office Commander, Naval Sea Systems Command (NAVSEA-04N)
CDR Higgins	Executive Secretary, Naval Radiation Safety Committee Head, Radiological Controls and Health Branch (N455)
CDR Doremus	Officer in Charge, Radiological Affairs Support Office Naval Weapons Station, Yorktown, Virginia
LCDR Wolff	Head, Radiation Health Team Navy Environmental Health Center, Norfolk, VA
LCDR Liotta	Health Physics Program Manager, Safety Division, Headquarters, United States Marine Corps
Mr. McGown (Ad hoc Member)	Radiation Health Program Manager Naval Nuclear Power Program Naval Sea Systems Command (NAVSEA-08R)

Note: CDR Pomerville On travel this week and will present the analysis of NRC inspection deficiencies during 4<sup>th</sup> Quarter NRSC Meeting.

3. There is **1 Outstanding Action Item** reported at the last NRSC Meeting, 2<sup>nd</sup> Quarter 1999 (June 2, 1999).

**Outstanding Action Item #1.**

**Inadvertent Expenditure of Depleted Uranium Rounds at Vieques Range, PR.**

19FEB99	263 DU rounds inadvertently expended at Vieques Range, Puerto Rico.
05MAR99	Discovery reported to NRSC. NRC notified by phone.
10MAR99	Physicist dispatched with recovery team (57 DU recovered) 10-19MAR.
01APR99	Initial written notification provided to NRC.
05MAY99	CINCLANTFLT reschedules recovery return date to August 1999.
01JUN99	Progress report on recovery actions to date to NRC REG II.
01JUN99	NRC issues Preliminary Notification of Event or Unusual Occurrence.
02JUN99	Briefing of DU recovery operations to NRSC and NRC.
17JUN99	Rounds previously recovered in March sent to Barnwell, SC, for burial.
30JUL99	RADM Granuzzo briefed Rush Commission regarding Vieques, PR. - Presidential Commission investigating Navy activities on Puerto Rico.
05AUG99	Range Refurbishment cancelled by AFWTF Commanding Officer.
19AUG99	Navy issues NOV to US Navy and US Marine Corps for DU incident.
10SEP99	<b>Action Item #1 Pending.</b>

There are **FIVE** new Action Items to present to the NRSC.

**New Action Item #1.**

**NRC Allegation: Dosimetry at Naval Calibration Laboratory, Yorktown, VA**

20MAY99	NRC issues Allegation regarding dosimetry practices at Yorktown, VA.
15JUN99	NRSC issues first response regarding quality of Navy dosimetry program.
02JUL99	NRC, Region II, requests amplifying information on TLD processing.
14JUL99	NRSC issues 2 <sup>nd</sup> response regarding TLD sensitivity and processing.
22JUL99	NRSC receives call from NRC, Region II, "No Further Action Required".
22JUL99	<b>Action Item #1 Closed.</b>

**New Action Item #2.**

**NRC Allegation: Radiation Exposure to Population on Vieques From DU Rounds**

28JUN99	NRC issues Allegation regarding DU radiation exposure on Vieques.
02JUL99	NRSC tasks RASO with 25mm DU round exposure rates: - Radiation surveys conducted on 25mm DU round and reported.
22JUL99	NRSC issues response to NRC Allegation. - Response includes RAND Corporation Report on DU toxicity studies.
07SEP99	NRSC receives call from NRC, Region II, "No Further Action Required".
07SEP99	<b>Action Item #2 Closed.</b>

**New Action Item #3.**

**Annual Report on Gamma Radiography Exposures to NRC**

12AUG99	Contacted by NRC Headquarters regarding Annual Radiography Report: - Statements made regarding revocation of Navy MML for radiography. 1. NRC's concern regards exposure period exceeding 1 calendar year. 2. Report complies with 10CFR20.2206(a)(2) "radiography exposures". 3. Report complies with 10CFR20.2206(b) as "electronic media". 4. Reports are submitted annually by April 30 <sup>th</sup> per 10CFR20.2206(c).
12AUG99	NRSC communicates with RASO and Naval Dosimetry Center (NDC). - Navy confirmed to be in full compliance with 10CFR20 conditions.
12AUG99	Closure call placed to NRC Headquarters. Navy will accommodate NRC. - Electronic media will be used for annual report submission. - Exposures will be prorated and reported for full calendar year.
17AUG99	1 <sup>st</sup> Meeting at NDC and NRC Headquarters Staff.
25AUG99	NDC called by NRC Headquarters- Comments regarding: - "Failure to comply with 10CFR20" and Discussion of "Enforcement Action", "Issue of NOV" and "Fines".
26AUG99	OIC, NDC, notified NRSC. Information passed to NRC Region II. - Region II communicated with Headquarters. Allegations groundless.
24SEP99	2 <sup>nd</sup> Meeting scheduled for NDC, RASO, SAIC, and NRC Headquarters.
10SEP99	<b>Action Item #3 Pending.</b>

**New Action Item #4.**

**Gamma Radiography Inspection at Naval Shipyard, Pearl Harbor, HI.**

16JUN99	Boundary violation occurred at Naval Shipyard, Pearl Harbor (PHNSY). - During critique of incident a Severity Level III NOV was self identified. - Monitor failed to comply with dosimetry requirements of 20CFR34.47.
15JUL99	PHNSY issues Report of Investigation to NRSC via RASO.
09AUG99	NRSC issued Severity Level III NOV to Naval Shipyard, Pearl Harbor
17AUG99	RASO radiography inspection preliminarily identifies 2 Level III violations.
18AUG99	NRSC notified. CO/RASO initiates 30 Day Stand Down for Training.
26AUG99	NRSC initial report to NRC Region II. Report event and 2 Level III NOV's.
08SEP99	RASO Inspection Report released by NRSC. Three Level III NOV's.
10SEP99	<b>Action Item #4 Pending.</b>

**New Action Item #5.**

**Accidental Incineration of Radioisotopes From National Naval Medical Center**

13AUG99	Long half-lived isotopes discarded as bio-hazard trash.		
	Radionuclide	Activity	Half-Life
	Sr-89	40 $\mu$ Ci	52.7 d
	Cr-51	30 $\mu$ Ci	27.7 d
	In-111 (In-114m)	35 $\mu$ Ci	50.0 d
	I-125	20 $\mu$ Ci	59.4 d
13AUG99	No detectable dose rate above background on shipping container.		
13AUG99	Waste shipped to Stercycle, Baltimore, MD, and incinerated 13AUG99.		

17AUG99	Loss first identified by NNMC. Initial notification to NEHC made.
18AUG99	Loss confirmed by NNMC. Voice notification to NRSC made by NEHC.
19AUG99	Voice notification made to NRC Region II by NRSC.
19AUG99	NNMC Radiation Safety Actions: - Training of Radiation Safety and Nuclear Medicine Technicians - Long half-life waste handling modification. Direct transport to storage. - Incorporation of training into Annual Training and QMP. - Exposure to public calculated to be approximately 0.3 mrem.
19AUG99	NRC, Region II requested that NRSC contact MD Radiological Controls.
20AUG99	MD State Department of Radiological Controls contacted by phone.
17SEP99	30 day written notification to NRC required.
10SEP99	Action Item #5 Pending.

**Comment of Note #1.**

**Y2K Compliance For NRSC Permitted Radioactive Material**

13JUL99	Request for Y2K compliance of dose computers and irradiators to NEHC.
13JUL99	Request for Y2K compliance of irradiators and devices to RASO.
01SEP99	Confirmation received from NEHC and RASO that radiation devices used by Navy with NRMP licensed material are Y2K compliant. - NEHC: Dose calibrators, irradiators, and therapy planning computers. - RASO: Irradiators, timers, and moisture-density meters.
10SEP99	Action Item #6 Closed.

**Updates on permitting and inspection actions:**

NEHC – LCDR Wolff, MSC, USN

RASO – CDR Doremus, MSC, USN

**Presentations:**      **Radiation Exposure Summary for CY-98**  
                                 **CAPT Blake, MSC, USN**  
                                 **Undersea Medicine and Radiation Health (MED-211)**  
                                 **Bureau of Medicine and Surgery**

**Nuclear Regulatory Commission's Report**  
**Mr. Michael Fuller, NRC REGION II, Atlanta, GA.**

**Closing Remarks:** **Admiral Granuzzo, USN**  
                                 **Chairman, Naval Radiation Safety Committee**

**Next Meeting:**      **Tentatively scheduled for December 6, 1999**  
                                 **First Full Week, Last Month of Each Quarter**

## TECHNICAL SUPPORT CENTER = NAVY ENVIRONMENTAL HEALTH CENTER (NEHC)

<i>Permit Actions</i>	New Issues	Terminations	Amendments	Renewals	Totals
Permit Actions Carried Over from Previous Quarter	0	0	1	1	2
Permit Actions Received During Quarter	0	0	10	0	10
Total Permit Actions "In House" During Quarter	0	0	11	1	12
Actions Signed Out by NRSC	0	0	10	1	11
Quarterly Average Action Processing Time in Days	N/A	N/A	11	93	18
Actions Exceeding NRSC Guidelines *1	0	0	0	0	0
Actions Pending at End of Quarter	0	0	1	0	1

Oldest Pending Permit Actions (Command)	NRMP Number	Days in House	Action
NAVMEDCEN, SAN DIEGO, CA	04-00259-11NP	10	A

<i>Permit Inspections</i>	<i>Total</i>
Inspection Reports Carried over from Previous Quarter	0
Inspections Conducted During Quarter	3
Total Inspection Reports "In House" During Quarter	3
Inspection Reports Signed out by NRSC	1
Quarterly Average Inspection Report Processing Time in Days	14
Longest Inspection Report Processing Time This Quarter in Days	14
Inspection Reports Exceeding NRSC Guidelines *2	0
Inspection Reports Pending at End of Quarter	2

\*1 (New Issues, Terminations, Amendments < 6 Months) (Renewals < 12 Months)

\*2 ( Satisfactory Inspection < 60 days, Unsatisfactory or Containing Level III Violation < 14 days)

Date Prepared: 8/31/99

Enclosure: 27 (3)

**TECHNICAL SUPPORT CENTER = RADIOLOGICAL AFFAIRS SUPPORT OFFICE (RASO)**

<i>Permit Actions</i>	New Issues	Terminations	Amendments	Renewals	Totals
Permit Actions Carried Over from Previous Quarter	0	1	4	4	9
Permit Actions Received During Quarter	4	7	17	3	31
Total Permit Actions "In House" During Quarter	4	8	21	7	40
Actions Signed Out by NRSC	3	8	18	4	33
Quarterly Average Action Processing Time in Days	76	25	7	46	22
Actions Exceeding NRSC Guidelines *1	0	0	0	0	0
Actions Pending at End of Quarter	1	0	3	3	7

<b>Oldest Pending Permit Actions (Command)</b>	<b>NRMP Number</b>	<b>Days in House</b>	<b>Action</b>
Naval Weapons Station, Yorktown, VA	45-00109-C1NP	90	R
Naval Research Laboratory, Washington, DC	08-00173-E1NP	80	A
Naval Station, Rota, Spain	77-62863-C1NP	80	R
SPAWARSSYSCOM San Diego, CA	04-66001-C1NP	49	R
Marine Corps Logistics Base, Albany, GA	10-67004-T1NP	19	I

<i>Permit Inspections</i>	<i>Total</i>
Inspection Reports Carried over from Previous Quarter	2
Inspections Conducted During Quarter	25
Total Inspection Reports "In House" During Quarter	27
Inspection Reports Signed out by NRSC	16
Quarterly Average Inspection Report Processing Time in Days	19
Longest Inspection Report Processing Time This Quarter in Days	55
Inspection Reports Exceeding NRSC Guidelines *2	0
Inspection Reports Pending at End of Quarter	11

\*1 (New Issues, Terminations, Amendments < 6 Months) (Renewals < 12 Months)

\*2 ( Satisfactory Inspection < 60 days, Unsatisfactory or Containing Level III Violation < 14 days)

Date Prepared: 8/31/99

Enclosure ~~2~~ (3)

LISTING OF NRMP ACTIONS/INSPECTIONS  
3rd QUARTER CY-1999

#	DATE	ACTIVITY	STATE CODE	UIC	TYPE CODE	NEHC/ RASO	ACTION
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**New Issues:**                    RASO = 3     NEHC = 0

1	15 Jun 99	Naval Supply Systems Command, Mechanicsburg, PA	37	00023	T1	RASO	Issue
2	04 Aug 99	Naval Shipyard & Intermediate Maintenance Facility, Pearl Harbor, HI	53	32253	A1	RASO	Issue
3	23 Aug 99	Naval Air Station Joint Reserve Base, New Orleans, LA	17	00206	J1	RASO	Issue

**Terminations:**                    RASO = 8     NEHC = 0

1	15 Jun 99	Naval Supply Systems Command, Arlington, VA	45	00023	T1	RASO	Termination
2	15 Jun 99	Naval Facilities Engineering Service Center, Port Hueneme, CA	04	0537A	G1	RASO	Termination
3	09 Jul 99	Public Works, Great Lakes, IL	12	65113	J1	RASO	Termination
4	21 Jul 99	USS Simon Lake (AS-33)	59	04697	A1	RASO	Termination
5	21 Jul 99	USS Simon Lake (AS-33)	59	04697	C1	RASO	Termination
6	04 Aug 99	Naval Shipyard, Pearl Harbor, HI	53	00311	A1	RASO	Termination
7	09 Aug 99	Naval Ordnance Center Pacific Division, Port Hadlock Detachment, Port Hadlock, WA	46	32013	L1	RASO	Termination
8	23 Aug 99	Naval Air Station, North Island, CA	04	00246	J1	RASO	Termination

LISTING OF NRMP ACTIONS/INSPECTIONS  
3rd QUARTER CY-1999

#	DATE	ACTIVITY	STATE CODE	UIC	TYPE CODE	NEHC/ RASO	ACTION
Amendments: RASO = 18 NEHC = 10							
1	15 Jun 99	Naval Research Laboratory, Washington, DC	08	00173	E1	RASO	Amendment
2	23 Jun 99	Naval Shipyard & Intermediate Maintenance Facility, Pearl Harbor, HI	53	32253	C1	RASO	Amendment
3	23 Jun 99	Naval Shipyard, Pearl Harbor, HI	53	00311	A1	RASO	Amendment
4	09 Jul 99	Material Readiness Battalion, 3D Force Service Support Group, FMF, Pacific	63	29021	C1	RASO	Amendment
5	09 Jul 99	Shore Intermediate Maintenance Activity, San Diego, CA	04	65918	A1	RASO	Amendment
6	16 Jul 99	Naval Surface Warfare Center, Carderock Division, West Bethesda, MD	19	61533	E1	RASO	Amendment
7	04 Aug 99	Trident Refit Facility, Kings Bay, GA	10	44466	A1	RASO	Amendment
8	19 Aug 99	Naval Intermediate Maintenance Activity, Pacific Northwest, Silverdale, WA	46	68438	A1	RASO	Amendment
9	23 Aug 99	Naval Surface Warfare Center, Dahlgren Division, Dahlgren, VA	45	00178	B1	RASO	Amendment
10	23 Aug 99	Naval Surface Warfare Center, Dahlgren Division, Dahlgren, VA	45	00178	J1	RASO	Amendment
11	23 Aug 99	Naval Surface Warfare Center, Dahlgren Division, Dahlgren, VA	45	00178	S1	RASO	Amendment
12	23 Aug 99	Strategic Weapons Facility, Atlantic, Kings Bay, GA	10	68733	B1	RASO	Amendment
13	31 Aug 99	Naval Shipyard, Portsmouth, NH	28	00102	C1	RASO	Amendment
14	31 Aug 99	Naval Shipyard, Norfolk, VA	45	00181	A1	RASO	Amendment
15	31 Aug 99	Public Works Center, San Diego, CA	04	63387	J1	RASO	Amendment
16	31 Aug 99	Naval Surface Warfare Center, Carderock Division, West Bethesda, MD	19	61533	E1	RASO	Amendment
17	09 Jul 99	Director, Strategic Systems Programs, Arlington, VA	45	00030	T1	RASO	Amendment (Corrected Copy)
18	04 Aug 99	Material Readiness Battalion, 3D Force Service Support Group, FMF, Pacific	63	29021	C1	RASO	Amendment (Corrected Copy)
1	15 Jun 99	Naval Hospital, Camp Lejeune, NC	32	68093	11	NEHC	Amendment

LISTING OF NRMP ACTIONS/INSPECTIONS  
3rd QUARTER CY-1999

#	DATE	ACTIVITY	STATE CODE	UIC	TYPE CODE	NEHC/ RASO	ACTION
2	21 Jun 99	Naval Hospital, Pensacola, FL	09	00203	11	NEHC	Amendment
3	21 Jun 99	Naval Medical Center, San Diego, CA	04	00259	11	NEHC	Amendment
4	02 Jul 99	Naval Medical Research Unit #2, Jakarta, Indonesia	62	30851	41	NEHC	Amendment
5	09 Jul 99	National Naval Medical Center, Bethesda, MD	19	00168	21	NEHC	Amendment
6	12 Jul 99	Naval Hospital, Guam	56	68096	11	NEHC	Amendment
7	21 Jul 99	Naval Hospital, Okinawa, Japan	63	68470	11	NEHC	Amendment
8	21 Jul 99	Naval Hospital, Camp Pendleton, CA	04	68094	11	NEHC	Amendment
9	04 Aug 99	Naval Hospital, Bremerton, WA	46	68095	11	NEHC	Amendment
10	19 Aug 99	Naval Medical Center, Portsmouth, VA	45	00183	11	NEHC	Amendment

**Renewals:** RASO = 4 NEHC = 1

1	03 Jun 99	US Naval Academy, Annapolis, MD	19	00161	M1	RASO	Renewal
2	03 Jun 99	US Naval Academy, Annapolis, MD	19	00161	B1	RASO	Renewal
3	03 Jun 99	US Naval Academy, Annapolis, MD	19	00161	V1	RASO	Renewal
4	03 Jun 99	Naval Shipyard, Portsmouth, NH	28	00102	C1	RASO	Renewal
1	19 Aug 99	Naval Medical Research Center Detachment, Lima, Peru	87	44852	41	NEHC	Renewal

**Inspections:** RASO = 16 NEHC = 1

1	24 May 99	USS Frank Cable (AS-40)	59	45255	A1	RASO	Inspection
2	03 Jun 99	U.S. Space and Naval Warfare Systems Facility Pacific, Yokosuka, JP	80	66120	C1	RASO	Inspection

LISTING OF NRMP ACTIONS/INSPECTIONS  
3rd QUARTER CY-1999

#	DATE	ACTIVITY	STATE CODE	UIC	TYPE CODE	NEHC/ RASO	ACTION
3	15 Jun 99	Naval Ocean Processing Facility, Whidbey Island, WA	46	68844	B1	RASO	Inspection
4	28 Jun 99	Naval Undersea Warfare Center Division, Keyport, WA	46	00253	B1	RASO	Inspection
5	28 Jun 99	Naval Undersea Warfare Center Division, Keyport, WA	46	00253	A1	RASO	Inspection
6	28 Jun 99	Navy EOD Technical Center, Indian Head, MD	19	0464A	A1	RASO	Inspection
7	28 Jun 99	Navy EOD Technical Center, Indian Head, MD	19	0464A	W1	RASO	Inspection
8	28 Jun 99	Naval Surface Warfare Center, Indian Head Division, Silver Spring, MD	19	00174	S1	RASO	Inspection
9	28 Jun 99	Naval Postgraduate School, Monterey, CA	04	62271	F1	RASO	Inspection
10	28 Jun 99	Naval Postgraduate School, Monterey, CA	04	62271	H1	RASO	Inspection
11	27 Jul 99	Public Works Center, San Diego, CA	04	63387	J1	RASO	Inspection
12	19 Aug 99	Naval Sea Systems Command, Washington, DC	45	00024	T1	RASO	Inspection
13	23 Aug 99	US Naval Academy, Annapolis, MD	19	00161	B1	RASO	Inspection
14	23 Aug 99	Space and Naval Warfare Systems Center, Charleston, SC	39	65236	C2	RASO	Inspection
15	23 Aug 99	Naval Supply Systems Command, Mechanicsburg, PA	37	00023	T2	RASO	Inspection
16	23 Aug 99	Naval Supply Systems Command, Mechanicsburg, PA	37	00023	T1	RASO	Inspection
1	19 Aug 99	Naval Hospital, Charleston, SC	39	68084	11	NEHC	Inspection

QA Program Actions: RASO = 2    NEHC = 0

1	23 Jun 99	Naval Shipyard, Norfolk, VA	45	00181	QA	RASO	QA Program Termination
2	21 Jul 99	USS Simon Lake (AS-33)	59	04697	QA	RASO	QA Program Termination

## CURRENT NRMPs 3rd QUARTER CY-1999

Type Code	Description	Number
1	Nuclear Medicine (Limited Scope)	13
2	Nuclear Medicine (Broad Scope)	1
3	Teletherapy	1
4	Research (Non-Human Use)	7
5	Irradiators (< 10,000 Curies)	0
6	Navy Drug Screening Laboratories	3
7	Gas Chromatographs	2
8	Special Nuclear Material SNM (<200 grams)	1
9	Other (Dosimeter Calibration)	1
<b>Total NEHC NRMPs</b>		<b>29</b>

Type Code	Description	Number
A	Radiography	15
B	General Industrial (Not Otherwise Coded)	11
C	Calibrator (> 100 Curies)	19
D	Environmental Applications	0
E	Type A Broad Scope	3
F	Type B Broad Scope	1
G	Type C Broad Scope	0
H	Special Nuclear Material SNM (Unsealed, < Critical Mass)	1
I	Portable Gauges	15
J	Analytical Measuring Instruments	24
K	Gas Chromatographs	1
L	DU Munitions Testing (Outdoors/Indoors)	4
M	Subcritical Assemblies	1
N	RTG Power Sources	2
O	Not Used	0
P	Fixed Gauges	1
Q	Irradiators	1
R	Buried Waste (NEESA)	1
S	Source Material	3
T	Radioactive Commodities Handling & Storage	11
U	Not Used	0
V	Special Nuclear Material SNM (< 200 grams)	1
W	Research and Development	4
X	Calibrator (< 100 Curies)	0
Y	Not Used	0
Z	Not Used	0
<b>Total RASO NRMPs</b>		<b>119</b>

**GRAND TOTAL NRMPs** **148**

LISTING OF CURRENT NRMPs (SORTED BY INSPECTION TARGET DATE)  
 NRC SUGGESTED INSPECTION WINDOW: (FREQUENCY OF 1 to 3 YEARS +/- 25%)  
 (FREQUENCY OF 5 YEARS OR GREATER +/- 1 YEAR)

#	ACTIVITY	STATE	UIC	TYPE CODE	LIFE CODE	NEHC/RASO	EXISTING/NEW ISSUE	LAST INSPECTION	TARGET DATE	OVERDUE (*)	INSPECTIONS SCHEDULED OR COMMENTS
1	Naval Surface Warfare Center, Crane Division, Crane, IN	13	00164	C	1	RASO	EXISTING	23 May 96	23 May 99		Inspection Has Been Performed, Pending Report
2	Naval Surface Warfare Center, Crane Division, Crane, IN	13	00164	T	1	RASO	EXISTING	23 May 96	23 May 99		Inspection Has Been Performed, Pending Report
3	Naval Surface Warfare Center, Carderock Division, West Bethesda, MD	19	61533	E	1	RASO	EXISTING	11 Jun 97	12 Jun 99		
4	Naval Shipyard & Intermediate Maintenance Facility, Pearl Harbor, HI	53	32253	C	1	RASO	EXISTING	14 Jun 96	14 Jun 99		Rescheduled for Oct 99
5	Naval Shipyard & Intermediate Maintenance Facility, Pearl Harbor, HI	53	32253	A	1	RASO	EXISTING	05 Aug 98	06 Aug 99		Inspection Has Been Performed, Pending Report
6	Naval Submarine Support Facility, New London, CT	06	68316	C	1	RASO	EXISTING	14 Aug 96	14 Aug 99		Inspection Has Been Performed, Pending Report
7	Puget Sound Naval Shipyard, Bremerton, WA	46	00251	A	1	RASO	EXISTING	28 Aug 98	28 Aug 99		Inspection Has Been Performed, Pending Report
8	Naval Intermediate Maintenance Activity, Pacific Northwest, Silverdale, WA	46	68438	A	1	RASO	EXISTING	01 Sep 98	01 Sep 99		Inspection Has Been Performed, Pending Report
9	Naval Shipyard, Norfolk, VA	45	00181	C	1	RASO	EXISTING	26 Sep 96	26 Sep 99		
10	Naval Sea Systems Command Detachment, Radiological Affairs Support Office, Yorktown, VA	45	45650	B	1	RASO	EXISTING	26 Sep 96	27 Sep 99		
11	Naval Shipyard, Portsmouth, NH	28	00102	A	1	RASO	EXISTING	06 Oct 98	06 Oct 99		Inspection Has Been Performed, Pending Report
12	Naval Submarine Support Facility, New London, CT	06	68316	A	1	RASO	EXISTING	08 Oct 98	08 Oct 99		Inspection Has Been Performed, Pending Report
13	Naval Surface Warfare Center, Crane Division, Crane, IN	13	00164	B	1	RASO	EXISTING	10 Oct 96	10 Oct 99		
14	Naval Surface Warfare Center, Crane Division, Crane, IN	13	00164	Q	1	RASO	EXISTING	10 Oct 96	10 Oct 99		
15	Naval Surface Warfare Center, Crane Division, Crane, IN	13	00164	W	1	RASO	EXISTING	10 Oct 96	10 Oct 99		
16	Public Works Center, Washington Navy Yard, Washington, DC	08	68925	I	1	RASO	EXISTING	20 Oct 94	20 Oct 99		
17	Naval Shipyard, Norfolk, VA	45	00181	A	1	RASO	EXISTING	19 Nov 98	19 Nov 99		
18	Naval Air Systems Command, NAS, Patuxent River, MD	19	00019	T	2	RASO	EXISTING	05 Dec 96	05 Dec 99		
19	Naval Air Warfare Center, Aircraft Division, Patuxent River, MD	19	00421	W	2	RASO	EXISTING	05 Dec 96	05 Dec 99		
20	Naval Air Systems Command, Patuxent River, MD	19	00019	T	3	RASO	EXISTING	05 Dec 96	05 Dec 99		
21	Naval Research Laboratory, Washington, DC	08	00173	E	1	RASO	EXISTING	12 Dec 97	13 Dec 99		
22	Naval Medical Center, Portsmouth, VA	45	00183	3	2	NEHC	EXISTING	14 Dec 98	14 Dec 99		
23	Naval Weapons Station, Concord, CA	04	60036	B	1	RASO	EXISTING	22 Jan 97	23 Jan 00		
24	Strategic Weapons Facility, Atlantic, Kings Bay, GA	10	68733	B	1	RASO	EXISTING	25 Jan 97	25 Jan 00		
25	Public Works Center, Norfolk, VA	45	00187	J	1	RASO	EXISTING	26 Jan 94	26 Jan 00		
26	USS Frank Cable (AS-40)	59	45255	C	1	RASO	EXISTING	31 Jan 97	31 Jan 00		

LISTING OF CURRENT NRMPs (SORTED BY INSPECTION TARGET DATE)  
 NRC SUGGESTED INSPECTION WINDOW: (FREQUENCY OF 1 to 3 YEARS +/- 25%)  
 (FREQUENCY OF 5 YEARS OR GREATER +/- 1 YEAR)

#	ACTIVITY	STATE	UIC	TYPE CODE	ISE CODE	NEHC RASO	EXISTING/ NEW ISSUE	LAST INSPECTION	TARGET DATE	OVERDUE (?)	INSPECTIONS SCHEDULED OR COMMENTS
27	Marine Corps Logistics Base, Barstow, CA	04	38010	C	1	RASO	EXISTING	06 Feb 97	06 Feb 00		
28	USS McKEE (AS-41)	59	68780	A	1	RASO	EXISTING	09 Feb 99	09 Feb 00		
29	Shore Intermediate Maintenance Activity, San Diego, CA	04	65918	A	1	RASO	EXISTING	11 Feb 99	11 Feb 00		
30	Service School Command, Great Lakes, IL	12	0580A	C	1	RASO	EXISTING	12 Feb 97	12 Feb 00		
31	Service School Command, Great Lakes, IL	12	0580A	A	1	RASO	EXISTING	18 Feb 99	18 Feb 00		
32	Navy Mobile Construction Battalion SEVEN-FOUR	23	55488	I	1	RASO	EXISTING	15 Mar 95	14 Mar 00		
33	USS Emory S. Land (AS-39)	59	20635	A	1	RASO	EXISTING	16 Mar 99	16 Mar 00		
34	USS Frank Cable (AS-40)	59	45255	A	1	RASO	EXISTING	29 Mar 99	28 Mar 00		
35	Naval Hospital, Guam	56	68096	1	1	NEHC	EXISTING	08 Apr 97	08 Apr 00		
36	Trident Refit Facility, Kings Bay, GA	10	44466	A	1	RASO	EXISTING	12 Apr 99	11 Apr 00		
37	Shore Intermediate Maintenance Activity, Norfolk, VA	45	32770	A	1	RASO	EXISTING	20 Apr 99	19 Apr 00		
38	Navy EOD Technical Center, Indian Head, MD	19	0464A	T	1	RASO	EXISTING	29 Apr 97	29 Apr 00		
39	Naval Support Station, Mechanicsburg, PA	37	32414	J	1	RASO	EXISTING	03 May 94	02 May 00		
40	Naval Medical Research Unit #2, Jakarta, Indonesia	62	30851	4	1	NEHC	EXISTING	10 May 97	09 May 00		
41	Naval Surface Warfare Center, Dahlgren Division, Dahlgren, VA	45	00178	B	1	RASO	EXISTING	14 May 97	13 May 00		
42	Director, Strategic Systems Programs, Arlington, VA	45	00030	T	1	RASO	EXISTING	22 May 97	22 May 00		
43	Navy EOD Technical Center, Indian Head, MD	19	0464A	A	1	RASO	EXISTING	24 May 99	23 May 00		
44	Naval Undersea Warfare Center Division, Keyport, WA	46	00253	A	1	RASO	EXISTING	26 May 99	25 May 00		
45	Naval Hospital, Camp Lejeune, NC	32	68093	1	1	NEHC	EXISTING	28 May 97	28 May 00		
46	Naval Ordnance Center, Pacific Division, Fallbrook Detachment, Fallbrook, CA	04	00396	L	1	RASO	EXISTING	08 Jun 95	08 Jun 00		
47	Naval Hospital, Bremerton, WA	46	68095	1	1	NEHC	EXISTING	27 Jun 97	27 Jun 00		
48	Marine Corps Logistics Base, Albany, GA	10	67004	W	1	RASO	EXISTING	10 Jul 97	09 Jul 00		
49	Naval Hospital, Groton, CT	06	61726	1	1	NEHC	EXISTING	23 Jul 97	23 Jul 00		
50	Naval Hospital, Newport, RI	38	68086	1	1	NEHC	EXISTING	25 Jul 97	25 Jul 00		
51	Naval Medical Research Center, Bethesda, MD	19	32398	4	1	NEHC	EXISTING	30 Jul 97	29 Jul 00		
52	Naval Aerospace Medical Research Laboratory, Pensacola, FL	09	66452	4	1	NEHC	EXISTING	18 Aug 97	17 Aug 00		

**LISTING OF CURRENT NRMPs (SORTED BY INSPECTION TARGET DATE)**  
**NRC SUGGESTED INSPECTION WINDOW: (FREQUENCY OF 1 to 3 YEARS +/- 25%)**  
**(FREQUENCY OF 5 YEARS OR GREATER +/- 1 YEAR)**

#	ACTIVITY	STATE	UIC	TYPE CODE	USE CODE	NEHC RASO	EXISTING/NEW ISSUE	LAST INSPECTION	TARGET DATE	OVERDUE (Y)	INSPECTIONS SCHEDULED OR COMMENTS
53	Naval Hospital, Pensacola, FL	09	00203	1	1	NEHC	EXISTING	22 Aug 97	22 Aug 00		
54	Naval Medical Research Unit #3, Cairo, Egypt	61	61751	4	1	NEHC	EXISTING	10 Sep 97	09 Sep 00		
55	Space and Naval Warfare Systems Center, San Diego, CA	04	66001	E	1	RASO	EXISTING	16 Sep 98	15 Sep 00		
56	Naval Aviation Depot, Cherry Point, NC	32	65923	S	1	RASO	EXISTING	17 Sep 97	17 Sep 00		
57	Weapons Support Facility, Yorktown, VA	45	00109	J	1	RASO	EXISTING	13 Oct 94	12 Oct 00		
58	Naval Medical Research Center, Detachment-Toxicology (NMRC/TD), Wright-Patterson AFB,	34	41817	4	1	NEHC	EXISTING	22 Oct 97	21 Oct 00		
59	Naval Weapons Station, Concord, CA	04	60036	L	1	RASO	EXISTING	26 Oct 95	26 Oct 00		
60	Marine Corps Logistics Base, Albany, GA	10	67004	T	1	RASO	EXISTING	04 Nov 97	04 Nov 00		
61	Naval Shipyard, Portsmouth, NH	28	00102	C	1	RASO	EXISTING	20 Nov 97	19 Nov 00		
62	Weapons Support Facility, Yorktown, VA	45	00109	C	1	RASO	EXISTING	21 Nov 97	20 Nov 00		
63	Naval Medical Center, San Diego, CA	04	00259	1	1	NEHC	EXISTING	03 Dec 97	03 Dec 00		
64	Public Works Center, Pensacola, FL	09	65114	J	1	RASO	EXISTING	05 Dec 94	04 Dec 00		
65	Naval Hospital, Great Lakes, IL	12	00211	1	1	NEHC	EXISTING	12 Jan 98	12 Jan 01		
66	Navy Drug Screening Laboratory, Great Lakes, IL	12	68849	6	1	NEHC	EXISTING	14 Jan 98	14 Jan 01		
67	Naval Medical Research Center Detachment, Lima, Peru	87	44852	4	1	NEHC	EXISTING	28 Jan 98	27 Jan 01		
68	Naval Hospital, Okinawa, Japan	63	68470	1	1	NEHC	EXISTING	28 Jan 98	28 Jan 01		
69	US Naval Academy, Annapolis, MD	19	00161	M	1	RASO	EXISTING	15 Mar 96	15 Mar 01		
70	US Naval Academy, Annapolis, MD	19	00161	V	1	RASO	EXISTING	15 Mar 96	15 Mar 01		
71	Naval Postgraduate School, Monterey, CA	04	62271	J	1	RASO	EXISTING	28 Mar 95	28 Mar 01		
72	Navy Drug Screening Laboratory, Jacksonville, FL	09	68850	6	1	NEHC	EXISTING	13 Apr 98	13 Apr 01		
73	Naval Air Weapons Station, China Lake, CA	04	60530	B	1	RASO	EXISTING	08 May 98	08 May 01		
74	Public Works Center, Pearl Harbor, HI	53	62755	J	1	RASO	EXISTING	19 May 95	19 May 01		
75	Naval Surface Warfare Center, Crane Division, Crane, IN	13	00164	L	1	RASO	EXISTING	23 May 96	23 May 01		Inspection Has Been Performed, Pending Report
76	Naval Postgraduate School, Monterey, CA	04	62271	H	1	RASO	EXISTING	16 Jun 99	16 Jun 01		
77	Marine Corps Logistics Base, Albany, GA	10	67004	C	1	RASO	EXISTING	06 Aug 98	05 Aug 01		
78	Marine Corps Logistics Base, Albany, GA	10	67004	T	2	RASO	EXISTING	06 Aug 98	06 Aug 01		

LISTING OF CURRENT NRMPs (SORTED BY INSPECTION TARGET DATE)  
 NRC SUGGESTED INSPECTION WINDOW: (FREQUENCY OF 1 to 3 YEARS +/- 25%)  
 (FREQUENCY OF 5 YEARS OR GREATER +/- 1 YEAR)

#	ACTIVITY	STATE	LIC	TYPE CODE	LSE CODE	NEHC RASO	EXISTING/NEW ISSUE	LAST INSPECTION	TARGET DATE	OVERDUE (*)	INSPECTIONS SCHEDULED OR COMMENTS
79	Marine Corps Logistics Base, Albany, GA	10	67004	T	3	RASO	EXISTING	06 Aug 98	06 Aug 01		
80	Puget Sound Naval Shipyard, Bremerton, WA	46	00251	C	1	RASO	EXISTING	28 Aug 98	27 Aug 01		
81	Naval Dosimetry Center, Bethesda, MD	19	48539	8	3	NEHC	EXISTING	15 Sep 98	14 Sep 01		
82	Naval Dosimetry Center, Bethesda, MD	19	48539	9	1	NEHC	EXISTING	15 Sep 98	14 Sep 01		
83	National Naval Dental Center, Bethesda, MD	19	0608A	4	1	NEHC	EXISTING	16 Sep 98	15 Sep 01		
84	Space and Naval Warfare Systems Center, San Diego, CA	04	66001	C	1	RASO	EXISTING	16 Sep 98	15 Sep 01		
85	Naval Command, Control and Ocean Surveillance Center, ISE, East Coast Division, North	39	65236	C	1	RASO	EXISTING	18 Sep 98	17 Sep 01		
86	National Naval Medical Center, Bethesda, MD	19	00168	2	1	NEHC	EXISTING	17 Sep 98	17 Sep 01		
87	Naval Surface Warfare Center, Indian Head Division, Indian Head, MD	19	00174	P	1	RASO	EXISTING	20 Sep 96	20 Sep 01		
88	Naval Surface Warfare Center, Dahlgren Division, Dahlgren, VA	45	00178	S	1	RASO	EXISTING	20 Oct 98	19 Oct 01		
89	Navy Mobile Construction Battalion FIVE, Port Hueneme, CA	04	55115	I	1	RASO	EXISTING	25 Oct 96	25 Oct 01		
90	Naval Air Weapons Station, China Lake, CA	04	68937	I	1	RASO	EXISTING	28 Oct 96	28 Oct 01		
91	Supervisor of Shipbuilding Conversion & Repair Vallejo Environ. Det., Vallejo, CA	04	64487	J	1	RASO	EXISTING	14 Nov 95	13 Nov 01		
92	Naval Oceanographic Office, Stennis Space Center, MS	23	62306	B	1	RASO	EXISTING	07 Dec 98	07 Dec 01		
93	Naval Mobile Construction Battalion SEVEN	23	55117	I	1	RASO	EXISTING	09 Dec 96	09 Dec 01		
94	Naval Construction Training Center, Port Hueneme, CA	04	0612A	I	1	RASO	EXISTING	11 Dec 96	11 Dec 01		
95	31st Naval Construction Regiment, Port Hueneme, CA	04	55752	I	1	RASO	EXISTING	12 Dec 96	12 Dec 01		
96	Naval Construction Training Center, Gulfport, MS	23	65971	I	1	RASO	EXISTING	12 Dec 96	12 Dec 01		
97	Naval Medical Center, Portsmouth, VA	45	00183	1	1	NEHC	EXISTING	14 Dec 98	14 Dec 01		
98	Public Works Center, Guam	56	62395	J	1	RASO	EXISTING	12 Jan 96	12 Jan 02		
99	Navy Public Works Center, Yokosuka, Japan	80	65115	J	1	RASO	EXISTING	24 Jan 96	23 Jan 02		
100	Naval Hospital, Camp Pendleton, CA	04	68094	1	1	NEHC	EXISTING	26 Jan 99	26 Jan 02		
101	Navy Drug Screening Laboratory, San Diego, CA	04	68853	6	1	NEHC	EXISTING	28 Jan 99	28 Jan 02		
102	USS McKEE (AS-41)	59	68780	C	1	RASO	EXISTING	09 Feb 99	08 Feb 02		
103	Naval Station Rota, Spain	77	62863	C	1	RASO	EXISTING	04 Mar 99	03 Mar 02		
104	USS Emory S. Land (AS-39)	59	20635	C	1	RASO	EXISTING	16 Mar 99	15 Mar 02		

LISTING OF CURRENT NRMPs (SORTED BY INSPECTION TARGET DATE)  
 NRC SUGGESTED INSPECTION WINDOW: (FREQUENCY OF 1 to 3 YEARS +/- 25%)  
 (FREQUENCY OF 5 YEARS OR GREATER +/- 1 YEAR)

#	ACTIVITY	STATE	LIC	TYPE CODE	USE CODE	NEHC/RASO	EXISTING/NEW ISSUE	LAST INSPECTION	TARGET DATE	OVERDUE (Y)	INSPECTIONS SCHEDULED OR COMMENTS
105	Naval Hospital, Jacksonville, FL	09	00232	1	1	NEHC	EXISTING	24 Mar 99	24 Mar 02		
106	U.S. Space and Naval Warfare Systems Facility Pacific, Yokosuka, JP	80	66120	C	1	RASO	EXISTING	26 Mar 99	25 Mar 02		
107	Material Readiness Battalion, 3D Force Service Support Group, FMF, Pacific	63	29021	C	1	RASO	EXISTING	29 Mar 99	28 Mar 02		
108	Marine Corps Base, Camp Lejeune, NC	32	67001	J	1	RASO	EXISTING	11 Apr 96	11 Apr 02		
109	Naval Air Weapons Station, China Lake, CA	04	68937	L	1	RASO	EXISTING	15 Apr 97	15 Apr 02		
110	Naval Mobile Construction Battalion FORTY, Port Hueneme, CA	04	55418	I	1	RASO	EXISTING	15 May 97	15 May 02		
111	Navy EOD Technical Center, Indian Head, MD	19	0464A	W	1	RASO	EXISTING	24 May 99	24 May 02		
112	Naval Surface Warfare Center, Indian Head Division, Silver Spring, MD	19	00174	S	1	RASO	EXISTING	26 May 99	25 May 02		
113	Naval Undersea Warfare Center Division, Keyport, WA	46	00253	B	1	RASO	EXISTING	26 May 99	26 May 02		
114	Naval Ocean Processing Facility, Whidbey Island, WA	46	68844	B	1	RASO	EXISTING	27 May 99	26 May 02		
115	Naval Postgraduate School, Monterey, CA	04	62271	F	1	RASO	EXISTING	16 Jun 99	15 Jun 02		
116	Naval Command, Control and Ocean Surveillance Center, ISE, East Coast Division, North Charleston, SC	39	65236	C	2	RASO	EXISTING	16 Jul 99	15 Jul 02		
117	Naval Hospital, Charleston, SC	39	68084	I	1	NEHC	EXISTING	21 Jul 99	21 Jul 02		
118	Naval Sea Systems Command, Washington, DC	45	00024	T	1	RASO	EXISTING	03 Aug 99	03 Aug 02		
119	US Naval Academy, Annapolis, MD	19	00161	B	1	RASO	EXISTING	10 Aug 99	09 Aug 02		
120	Naval Supply Systems Command, Mechanicsburg, PA	37	00023	T	2	RASO	EXISTING	10 Aug 99	10 Aug 02		
121	Naval Supply Systems Command, Mechanicsburg, PA	37	00023	T	1	RASO	EXISTING	10 Aug 99	10 Aug 02		
122	Naval Undersea Warfare Center Division, Keyport, WA	46	00253	J	1	RASO	EXISTING	22 Aug 96	22 Aug 02		
123	Navy Mobile Construction Battalion ONE THIRTY-THREE	23	55451	I	1	RASO	EXISTING	09 Sep 97	09 Sep 02		
124	20th Naval Construction Battalion	23	55460	I	1	RASO	EXISTING	10 Sep 97	10 Sep 02		
125	Naval Air Weapons Station, China Lake, CA	04	68937	J	1	RASO	EXISTING	28 Oct 96	28 Oct 02		
126	Navy Mobile Construction Battalion FOUR, Port Hueneme, CA	04	55114	I	1	RASO	EXISTING	07 Nov 97	07 Nov 02		
127	Navy Mobile Construction Battalion ONE	23	55101	I	1	RASO	EXISTING	24 Nov 97	24 Nov 02		
128	20th Naval Construction Regiment, Gulfport, MS	23	55460	J	1	RASO	EXISTING	10 Dec 96	10 Dec 02		
129	Public Works Center, Washington Navy Yard, Washington, DC	08	68925	J	1	RASO	EXISTING	11 Dec 96	11 Dec 02		
130	Navy Mobile Construction Battalion THREE, Port Hueneme, CA	04	55103	I	1	RASO	EXISTING	12 Feb 98	12 Feb 03		

LISTING OF CURRENT NRMPs (SORTED BY INSPECTION TARGET DATE)  
 NRC SUGGESTED INSPECTION WINDOW: (FREQUENCY OF 1 to 3 YEARS +/- 25%)  
 (FREQUENCY OF 5 YEARS OR GREATER +/- 1 YEAR)

#	ACTIVITY	STATE	LIC	TYPE CODE	USE CODE	NEHC/RASO	EXISTING/NEW ISSUE	LAST INSPECTION	TARGET DATE	OVERDUE (*)	INSPECTIONS SCHEDULED OR COMMENTS
131	Naval Construction Battalion Center, Port Hueneme, CA	04	62583	R	1	RASO	EXISTING	01 May 96	02 May 03		
132	Naval Sea Systems Command Detachment, Radiological Affairs Support Office, Yorktown, VA	45	45650	N	1	RASO	EXISTING	26 Sep 96	26 Sep 03		
133	Naval Sea Systems Command Detachment, Radiological Affairs Support Office, Yorktown, VA	45	45650	N	2	RASO	EXISTING	26 Sep 96	26 Sep 03		
134	Construction Battalion Unit 406, Naval Air Station, Lemoore, CA	04	66650	I	1	RASO	EXISTING	07 Oct 98	07 Oct 03		
135	Marine Corps Air Station, Yuma, AZ	03	62974	J	1	RASO	EXISTING	04 Dec 97	04 Dec 03		
136	Supervisor of Shipbuilding Conversion & Repair Portsmouth, Environ. Det., Charleston, SC	39	64504	J	1	RASO	EXISTING	04 Dec 97	04 Dec 03		
137	Naval Air Warfare Center, Aircraft Division, Patuxent River, MD	19	00421	J	1	RASO	EXISTING	19 Mar 98	18 Mar 04		
138	Naval Surface Warfare Center, Dahlgren Division, Dahlgren, VA	45	00178	J	1	RASO	EXISTING	20 Oct 98	19 Oct 04		
139	Navy Environmental and Preventive Medicine Unit #5, San Diego, CA	04	0546A	7	2	NEHC	EXISTING	01 Dec 97	30 Nov 04		
140	Navy Environmental Preventive Medicine Unit #6, Pearl Harbor, HI	53	0545A	7	1	NEHC	EXISTING	26 Jan 98	26 Jan 05		
141	Naval Facilities Engineering Service Center, Port Hueneme, CA	04	0537A	K	1	RASO	EXISTING	06 May 98	06 May 05		
142	Public Works Center, San Diego, CA	04	63387	J	1	RASO	EXISTING	24 Jun 99	23 Jun 05		
143	Indian Head Division, Naval Surface Warfare Center, Yorktown Detachment, Yorktown, VA	45	47652	J	1	RASO	NEW ISSUE				Permit Issued 02FEB99. Scheduled for first Inspection AUG/SEP99
144	Naval Oceanographic Office, Stennis Space Center, MS	23	62306	B	2	RASO	NEW ISSUE				Permit Issued 06APR99. Scheduled for first Inspection OCT/NOV99
145	Naval Intermediate Maintenance Activity, Pacific Northwest, Silverdale, WA	46	68438	J	1	RASO	NEW ISSUE				Inspection Has Been Performed, Pending Report
146	Marine Corps Base Hawaii, Kaneohe Bay, HI	53	00334	J	1	RASO	NEW ISSUE				Inspection Has Been Performed, Pending Report
147	Naval Air Station, Key West, FL	09	00213	J	1	RASO	NEW ISSUE				Permit Issued 18MAY99. Scheduled for first Inspection NOV/DEC99
148	Naval Air Station Joint Reserve Base, New Orleans, LA	17	00206	J	1	RASO	NEW ISSUE				Permit Issued 23AUG99. Scheduled for first Inspection FEB/MAR 00

# Radiation Health Program Overview NRC Sources 1994 - 1998

	1994	1995	1996	1997	1998
UICs	140	128	115	101	91
Total People	3,599	3,238	2,760	2,565	2,052
Personnel with > 0 exposure	1191	1113	952	940	769
Total Neutron (rem)	1.243	1.972	1.779	2.048	0.964
Total Gamma (rem)	34.216	32.437	25.207	22.231	18.452
Average Person-rem (rem)	0.030	0.031	0.028	0.026	0.025
Exposures > 0 as % of Total People	33%	34%	34%	37%	37%

Data as of 04 August 1999 Occ Codes 32-Nuc. Med.,33-Therapy,40-Gamma Radiography  
43-RADIAC Calibration, 44-General Industrial, 50-Research & 51-Research (Isotopes)

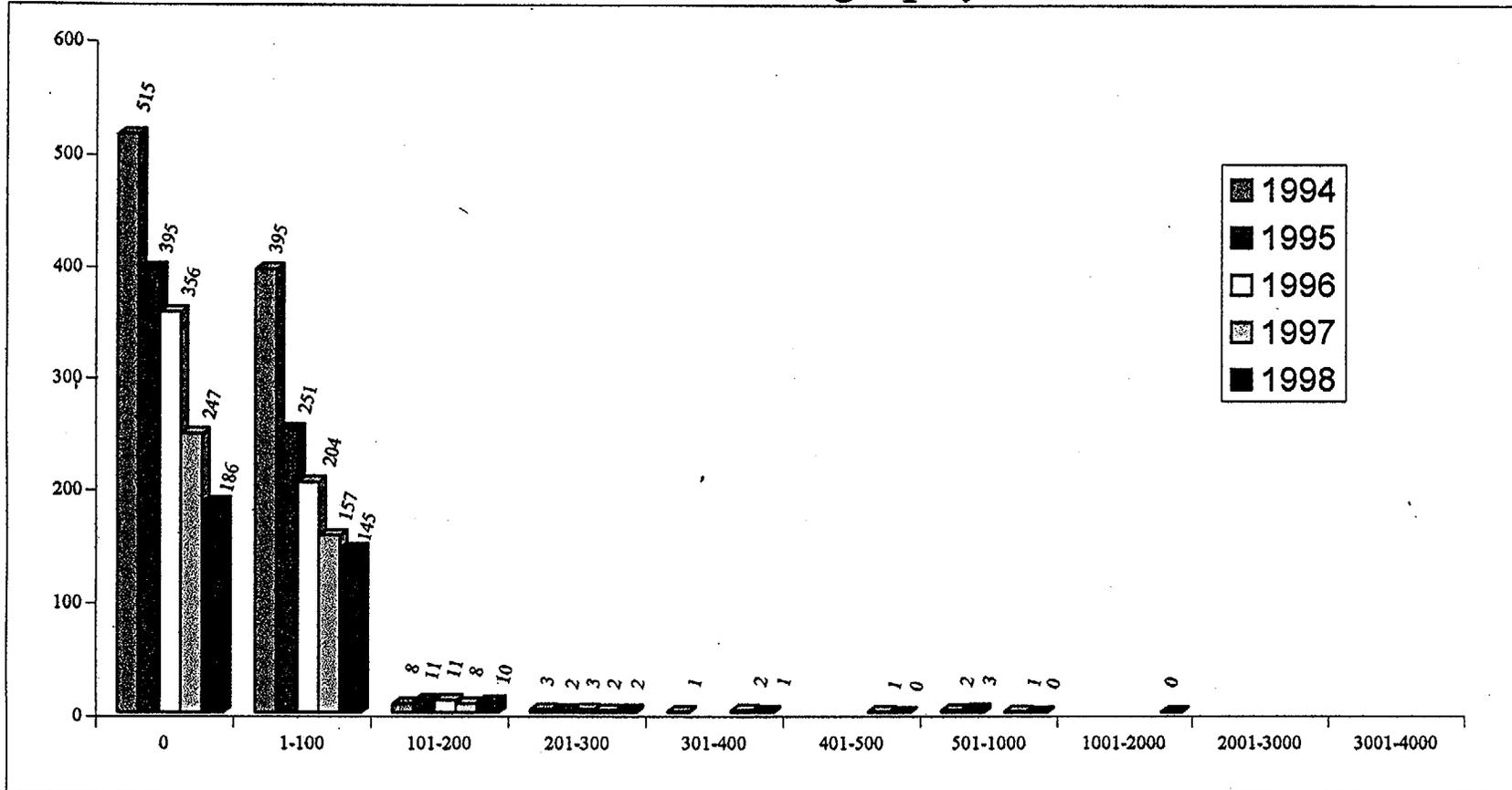
## Radiation Health Program Overview Occ Code-40 1994 - 1998

	1994	1995	1996	1997	1998
# Permits	37	32	20	17	16
Total People	924	662	574	418	344
People with > 0 exposure	409	267	218	171	158
Total Neutron (rem)	0.067	0.026	0.015	0.006	0.000
Total Gamma (rem)	10.145	9.432	5.765	5.721	4.317
Average Person-rem (rem) (dose/exposed personnel)	0.025	0.035	0.027	0.033	0.027
Exposures > 0 as % of Total People	44%	40%	38%	41%	46%

Data as of 25 August 1999 Occ Code 40-Gamma Radiography

# Occ Code Exposure Profile 1994 - 1998

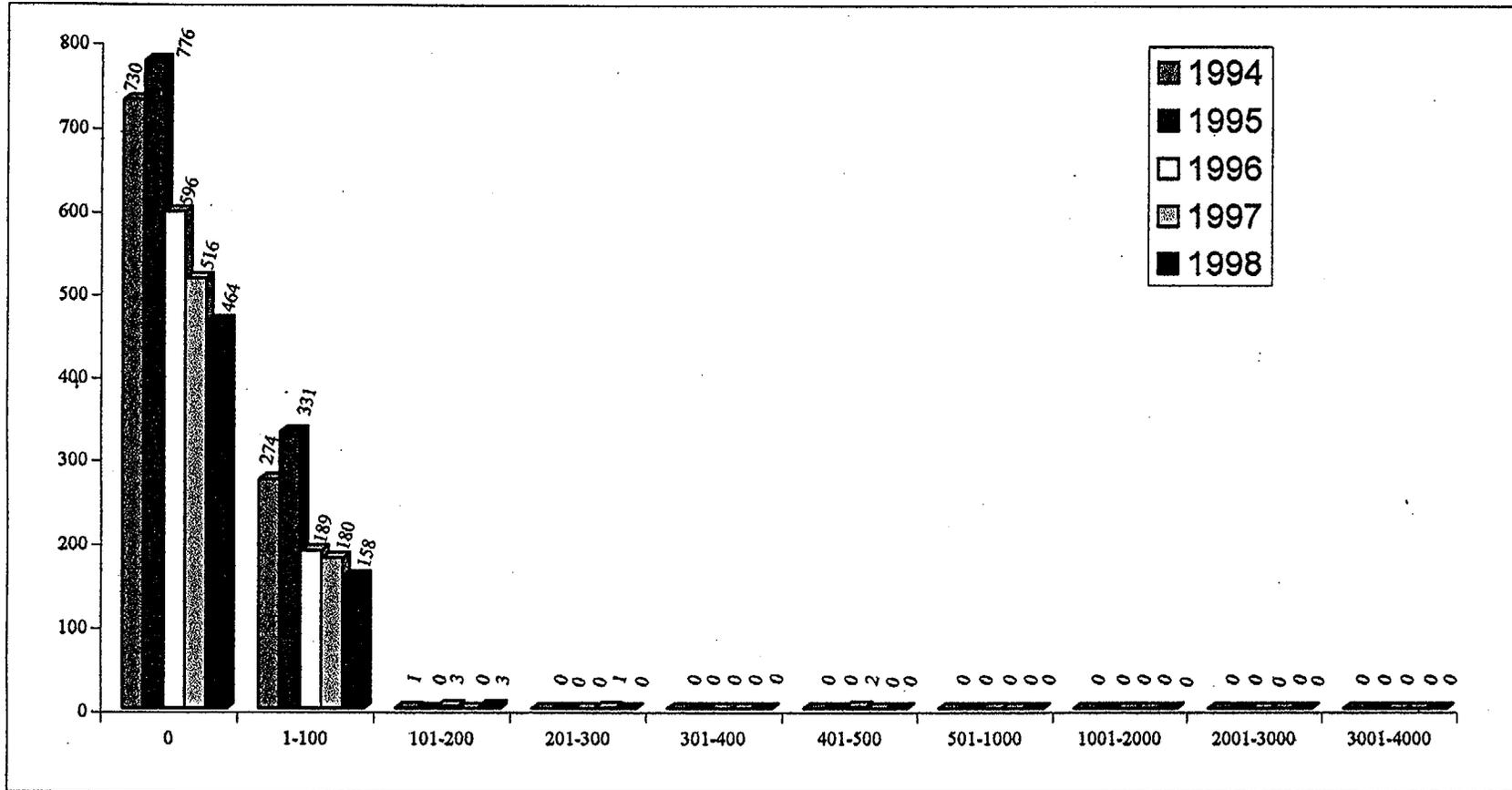
## Gamma Radiography



Data as of 25 August 1999 Occ Code 40-Gamma Radiography

# Occ Code Exposure Profile 1994 - 1998

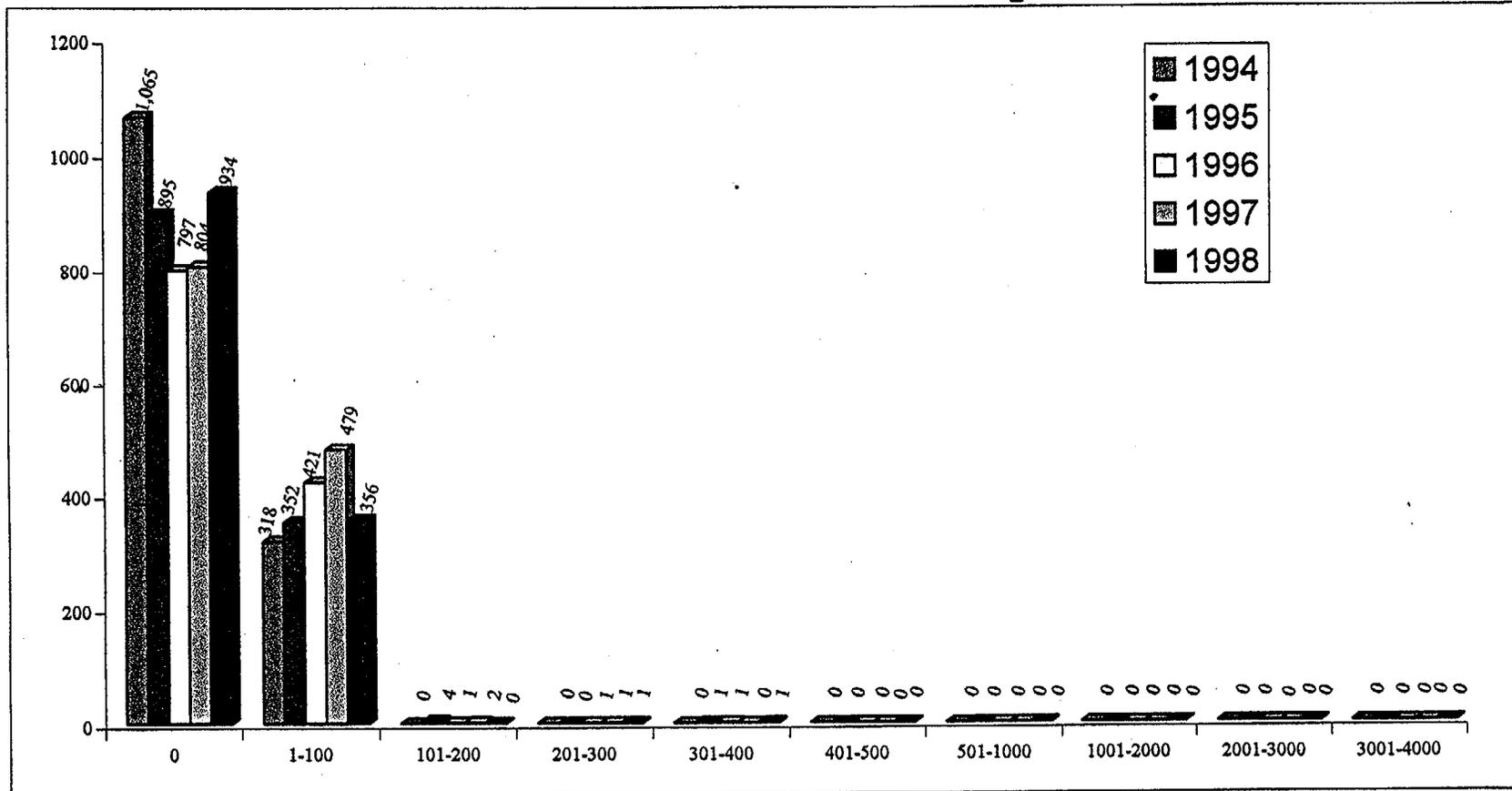
## Calibration & Industrial



Data as of 25 August 1999 Occupation Codes 43-RADIAC Calibration & 44-General Industrial

# Occ Code Exposure Profile 1994 - 1998

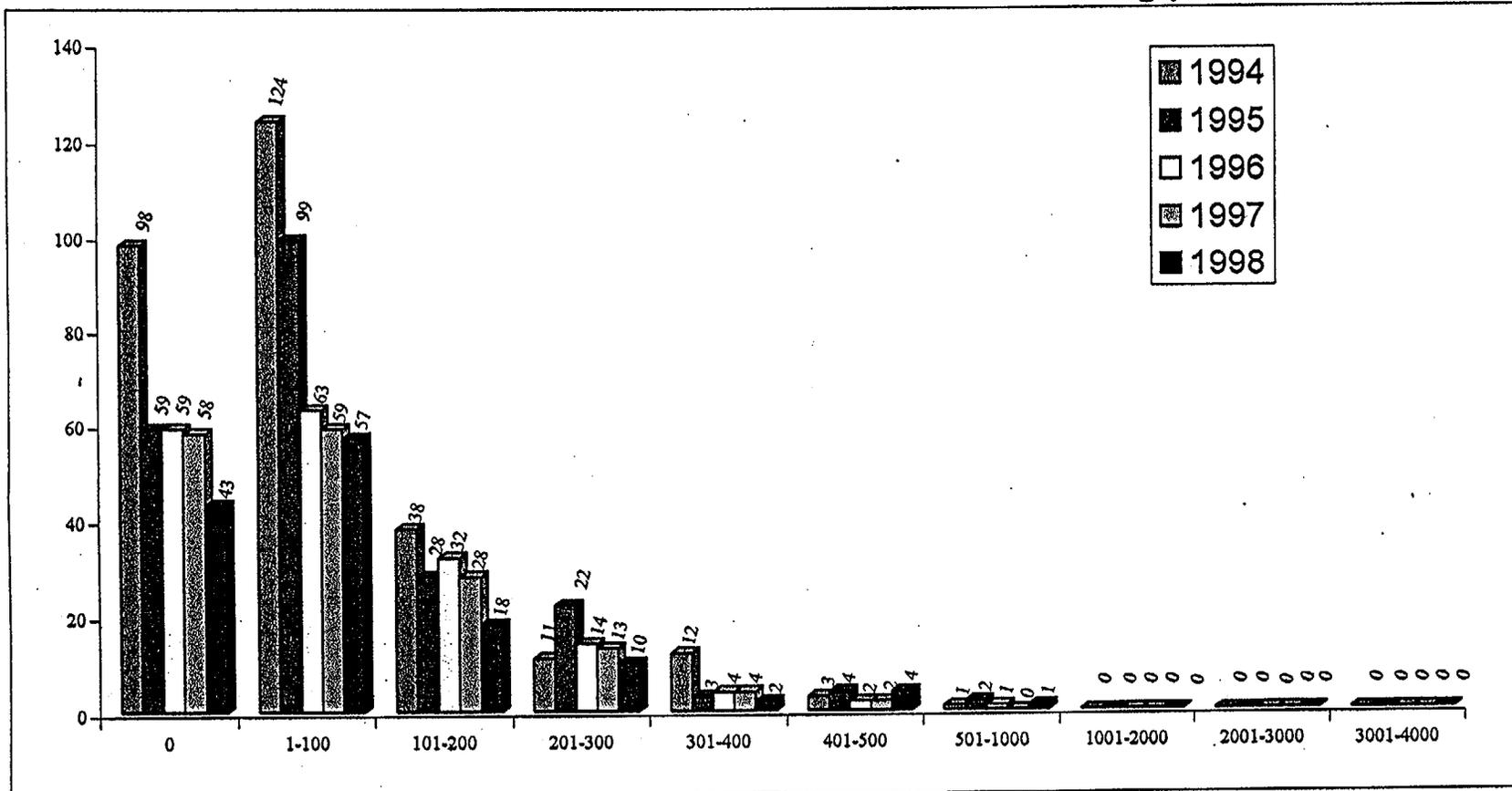
## Research & Research Isotopes



Data as of 04 August 1999 Occ Codes 50-Research & 51-Research Isotopes

# Occ Code Exposure Profile 1994 - 1998

## Nuclear Medicine & Radiation Therapy



Data as of 04 August 1999 Occ Codes 32-Nuclear Medicine & 33-Therapy