
Safeguards Summary Event List (SSEL)

**U.S. Nuclear Regulatory
Commission**

Office of Nuclear Material Safety and Safeguards

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Safeguards Summary Event List (SSEL)

Pre-NRC Through December 31, 1981

This document represents a revision of a Safeguards Summary Event List published in December 1980, in response to inquiries concerning the nature of safeguards-related events involving NRC licensees and licensed material.

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**Regulatory Effectiveness Section
Division of Safeguards
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555**

PAGE CHANGE INFORMATION SHEET

The attached pages represent the current supplement (Revision 5) to a previously published document, the Safeguards Summary Event List (SSEL), NUREG-0525 Revision 4*. This supplement (Revision 5) summarizes events occurring between July 1 - December 31, 1981 and provides new pages incorporating these data. In addition to new events, minor editorial corrections have been made to data included in earlier editions of the SSEL and updated pages reflecting these changes have been provided. All new or updated pages are marked with the end date of the Revision 5 reporting period, December 31, 1981. These new or updated pages comprising Revision 5 are intended to be substituted for those marked June 30, 1981 in Revision 4 of the SSEL:

I-43	II-1	III-47	VII-3	IX-16	A-5
I-92	II-14	III-48	VII-5	IX-17	A-6
I-93	III-27	IV-9	VII-7	IX-18	A-7
I-94	III-31	IV-10	VII-8	A-1	A-8
I-95	III-36	V-3	IX-1	A-2	A-9
I-96	III-37	V-7	IX-7	A-3	A-10
I-97	III-46	V-8	IX-15	A-4	A-11

*This supplement (Revision 5) is an update to Revision 4, which summarized data through June 30, 1981. Revision 4 represents the baseline document as the initial printing of NUREG-0525, as well as Revisions 1, 2, and 3 have been superceded by Revision 4.

I-78-28 12/12/78 Duane Arnold
Iowa Electric Light & Power Co.
Linn County, IA

Bomb threat. Apparent hoax. At 9:40 p.m., a security guard received a telephone call from a male caller who said, "Listen and listen good. The plant will blow up tonight." No specific time was given. Shortly thereafter, the company president received a similar call at his home during which it was stated that the bomb would go off at midnight. Security was increased. No explosions occurred and no bomb was located. At the time of the event, the plant was shut down for maintenance with all fuel removed from the reactor vessel.

I-78-29 12/21/78 Waterford
Louisiana Power & Light Co.
St. Charles Parish, LA

Bomb threat. Apparent hoax. At 12:50 p.m., the licensee's switchboard operator received a bomb threat from an on-site extension telephone. The caller said that a bomb was set to explode at 2:00 p.m. The operator was of the opinion that the voice was that of the same male that called in bomb threats on November 22 and 27, 1978. A search produced negative results. Fuel not present at site. (See also Items I-78-25 and I-78-27.)

I-79-01 01/11/79 Waterford
Louisiana Power & Light Co.
St. Charles Parish, LA

Bomb threat. Apparent hoax. At 1:30 p.m., the licensee's switchboard operator received a bomb threat from an on-site extension telephone. The caller, believed to be a male, said that a bomb would go off at 2 o'clock. The switchboard operator believed that the voice was that of the same male that called in bomb threats on 11/22/78, 11/27/78, and 12/21/78. It was determined that the call was placed from an extension telephone at the 35-foot level of the Reactor Auxiliary Building. Fuel not present at site.

I-79-02 01/11/79 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

Bomb threat. Apparent hoax. A bomb threat was discovered written on a restroom wall in the plant Administration Building which is inside the protected area. The note which was printed in ink read, "Vietnam will be miniscule compared to the catastrophe (sic) that will soon befall BFNP soon. Don't worry about a layoff. Worry about a lay-under. Plastic explosives will demolish this plant if placed in these strategic locations. Vietnam taught me a lot of things besides how to kill Gooks. Soon." Fuel present at site.

I-79-03 01/17/79 Diablo Canyon
Pacific Gas and Electric Co.
San Luis Obispo County, CA

Bomb threat. Apparent hoax. The Sierra Vista Hospital in San Luis Obispo, California, received an anonymous telephone call from a male at 7:50 a.m. The caller stated, "You better have 300 beds ready, there is a bomb planted at Diablo Canyon ready to go off at 11:00." A search at the site produced negative results. Fuel present at site. (See next entry.)

I-79-04 01/19/79 Diablo Canyon
Pacific Gas and Electric Co.
San Luis Obispo County, CA

Bomb threat. Apparent hoax. The French Hospital in San Luis Obispo, California, received an anonymous telephone call from an unknown male at 12:20 p.m., who stated that a bomb was going to go off at Diablo in the turbine building at 1:30. A search at the site produced negative results. Fuel present at site. (See next entry.)

I-79-05 01/24/79 Diablo Canyon
Pacific Gas and Electric Co.
San Luis Obispo County, CA

Bomb threat. Apparent hoax. The Twin Cities Hospital in Templeton, California, received an anonymous telephone call from a female at 11:10 a.m., who stated, "Get the hospital beds ready because Diablo Canyon is going to blow up today." A search at the site produced negative results. Fuel present at site. (See next entry.)

I-81-23 05/06/81 Indian Point
 Consolidated Edison Co.
 Westchester County, NY

The Customer Service Center at Consolidated Edison corporate headquarters in New York City received an anonymous telephone call stating that "a bomb in a brown paper bag will go off on Con Ed property." A search was conducted with negative results. Fuel present at site.

I-81-24 05/07/81 Watts Bar
 Tennessee Valley Authority
 Spring City County, TN

Bomb threat. Apparent hoax. At 7:18 a.m., a handwritten note was discovered in the relay room of the control building by an instrument mechanic. The note stated that a bomb would go off at 6:00. A search by the licensee proved negative. Fuel present at site.

I-81-25 05/22/81 Connecticut Yankee
 Connecticut Yankee Atomic Power Co.
 Middlesex County, CT

Bomb threat. Apparent hoax. An employee of the Connecticut Light and Power Company was terminated at 9:30 a.m. when he reportedly made a threat against the Connecticut Yankee Nuclear Station. He allegedly said that he had a boat and was going to blow up the plant. Fuel present at site.

I-81-26 06/20/81 Indian Point
 Consolidated Edison Co.
 Westcheser County, NY

Bomb threat. Apparent hoax. At 2:15 a.m., the U.S. Military Academy Security Force (USMASF) received a telephone message from a person identifying himself as Lawrence Smith, indicating that a second person identified as John Dice had stated, "I am going to blow up Indian Point."

The licensee's security force was notified at 2:30 a.m. and a search was performed with negative results. Fuel present at site.

I-81-27

06/30/81

San Onofre
Southern California Edison Co.
San Diego County, CA

Bomb threat. Apparent hoax. At 1:55 p.m., the Bechtel (construction contractor) switchboard received a phone call from a male who identified himself as Dave. The caller stated that plastic explosives had been placed inside the reactor at Unit 1, and that if Unit 1 was not shut down by July 1, 1981, he would blow it up. A search was conducted with negative results. Fuel present at site.

I-81-28

07/15/81

Oconee
Duke Power Co.
Oconee County, SC

Bomb threat. Apparent hoax. An individual called the station on an outside line and asked to speak to someone in security. The caller then stated, "I just wanted you to know I'm gonna blow that (expletive deleted) plant up." The caller immediately hung up. A search proved negative. Fuel present at site.

I-81-29

07/17/81

Bellefonte
Tennessee Valley Authority
Jackson County, AL

Bomb threat. Apparent hoax. At 8:31 p.m. the plant telephone operator was contacted by an unidentified caller who stated, "there's going to be a bomb go off in that (expletive deleted) tonight at 10:30." A search proved negative. Fuel present at site.

I-81-30

07/24/81

Clinton
Illinois Power Co.
DeWitt County, IL

Bomb threat. Apparent hoax. At 5:10 p.m., a bomb threat was received at the central switchboard from a caller who stated, "There is a bomb in the power station." A search was conducted and a simulated explosive device was discovered in the turbine building sump pump assembly area. No fuel present at site.

I-81-31

07/26/81

Maine Yankee
Maine Yankee Atomic Power Co.
Lincoln County, ME

Bomb threat. Apparent hoax. At 4:30 p.m., a security officer on patrol in the area of the spent fuel pool found a message reading, "Bomb will go off July 31, 1981." The message had been written on the floor in the residue of a spray cleaner. A small note pad was found in the same area containing the message, "So you think your (expletive deleted) security is so good - try to find that bomb before July 31, 1981. I love a good explosion." A search proved negative. Fuel present at site.

i-81-32

08/05/81

San Onofre
Southern California Edison Co.
San Diego County, CA

Bomb threat. Apparent hoax. At 8:16 a.m., an unidentified person called the newsroom of Los Angeles television station KNXT and said words to the effect of "Listen carefully, a bomb has been planted at or near San Onofre set to go off at noon Friday - area around must be evacuated, no way to find it." A search was conducted with negative results. Fuel present at site.

I-81-33

08/14/81

Clinton
Illinois Power Co.
DeWitt County, IL

Bomb threat. Apparent hoax. At 4:10 p.m., an apparent telephonic bomb threat was received from a caller who stated, "At 6:00 p.m. Boom." A search proved negative. No fuel present at site.

I-81-34

08/19/81

United Nuclear Corporation
Montville, CT

Bomb threat. Apparent hoax. At approximately 11:38 p.m., the Naval Products Division received a phone call from an unidentified individual who stated, "It's supposed to go off at two o'clock." A search yielded negative results.

I-81-35

08/21/81

Clinton
Illinois Power Co.
DeWitt County, IL

Bomb threat. Apparent hoax. At 2:04 p.m., a bomb threat was received at the central switchboard from a caller who stated, "there is a bomb out there and it's going to blow fast. You had better get everybody out." A search was conducted with negative results. No fuel present at site.

I-81-36

09/09/81

San Onofre
Southern California Edison Co.
San Diego County, CA

Bomb threat. Apparent hoax. At approximately 7:21 p.m., the licensee's security organization was informed by the San Diego County Sheriff that a San Diego Pacific Telephone Co. operator had received a call from a person who stated, "San Onofre will blow in three hours." An individual was subsequently arrested and charged with making the threatening call. The individual's residence was searched and no explosives or bomb paraphernalia were found. Fuel present at site.

I-81-37

09/25/81

Brunswick
Carolina Power and Light Co.
Brunswick County, NC

Bomb threat. Apparent hoax. At approximately 2:43 p.m. the plant switchboard operator received a telephone call from an unidentified person stating, "There is a bomb on the fence." A search was conducted with negative results. Fuel present at site.

I-81-38

10/01/81

United Nuclear Corporation
Montville, CT

Bomb threat. Apparent hoax. On the above date, a site security officer received a telephone call from an unknown person who stated, "There is a bomb set to go off at one o'clock. Beware." A search was conducted with negative results.

I-81-39

10/06/81

Bellefonte
Tennessee Valley Authority
Jackson County, AL

Bomb threat. Apparent hoax. At approximately 9:40 p.m., an unidentified person called the project telephone operator and said, "Is this TVA? There is a bomb in the building." A search was conducted with negative results. Fuel not present at site.

I-81-40

10/29/81

Oyster Creek
Jersey Central Power and Light Co.
Ocean County, NJ

Bomb threats. Apparent hoaxes. At approximately 12:09 p.m., an unidentified person telephoned the Sergeant of the Guard and asked for the Assistant Security Supervisor. When advised that the Assistant Security Supervisor was not available, the caller said, "There is a building with a bomb. It will blow up soon." It was believed that the call was placed from within the plant. A second call, believed to have come from off-site, was received at 1:40 p.m.; an unidentified individual asked, "Did you find it yet?" Searches were conducted with negative results. Fuel present at site.

I-81-41

10/30/81

Grand Gulf
Mississippi Power and Light Co.
Claiborne County, MS

A simulated explosive device was discovered in the auxiliary building on the Grand Gulf construction site on the above date. The device consisted of a spring-driven timer with two wires attached to a putty like substance. Fuel present at site.

I-81-42

11/30/82

Bellefonte
Tennessee Valley Authority
Jackson County, AL

Bomb threat. Apparent hoax. At approximately 1:35 p.m., an unidentified person called a Public Safety Officer over the on-site telephone and said, "A bomb is in the Auxiliary Building." Upon being asked the bomb location, the caller replied, "I don't know, I just heard them talking." A search was conducted with negative results. Fuel not present at site.

I-81-43

11/30/81

Robinson
Carolina Power and Light Co.
Darlington County, SC

Bomb threat. Apparent hoax. At approximately 3:13 p.m., an unidentified person called the switchboard using an off-site phone and stated, "I have just got a message that you all have got a bomb up there and it will go off at five o'clock." A search was conducted with negative results. Fuel present at site.

I-81-44

11/30/81

Fermi
Detroit Edison Co.
Monroe County, IL

Bomb threat. Apparent hoax. At 4:18 p.m., a bomb threat was announced over the site P.A. system by an unknown individual who stated, "there is a bomb in the RHR building." A search proved negative. No fuel present at site.

I-81-45

12/01/81

Bellefonte
Tennessee Valley Authority
Jackson County, AL

Bomb threat. Apparent hoax. At 8:00 a.m. the construction Public Safety Unit received a bomb threat through the plant emergency fire phone. The unidentified caller stated, "The bomb will go off today." At 8:25 a.m. a second bomb threat was received by the plant medical officer through the emergency ambulance phone. The caller said, "This is no joke; the bomb will go off this time." It was believed that the second threat was made by the first caller. A search of the plant was made and no bomb was found. Fuel present at site.

I-81-46

12/04/81

Crystal River
Florida Power Corporation
Citrus County, FL

At approximately 2:30 p.m. a site security employee was advised of an alleged bomb threat directed against the plant. The threat was reportedly made by an individual living nearby who stated that he "was going to blow up the nuclear plant." The date and time that the threat was made were unknown. Site security was placed in a posture of increased alert. Fuel present at site.

I-81-47

12/06/81

Browns Ferry
Tennessee Valley Authority
Limestone County, AL

Bomb threat. Apparent hoax. At 5:21 p.m., a telephone call was received from an unidentified person who stated that he was going to blow up the reactor. A search proved negative. Fuel present at site.

I-81-48

12/27/81

Quad Cities
Commonwealth Edison Co.
Rock Island County, IL

Bomb threat. Apparent hoax. At approximately 2:15 a.m., the Rock Island Arsenal and a local hospital received telephonic bomb threats directed at Unit 2 of the Quad Cities nuclear plant, the Davenport (Iowa) Police Department, the Davenport Water Treatment Plant, and an unspecified pipeline and fuel storage facility. A search was conducted at the Quad Cities facility with negative results. Fuel present at site.

I-81-49

12/28/81

Millstone
Northeast Nuclear Energy Co.
New London County, CT

Bomb threats. Apparent hoaxes. On the above date the contract security force at Unit 3 received three anonymous telephonic bomb threats. The calls, which were received at 8:14 p.m., 8:23 p.m., and 8:28 p.m., appeared to be from the same person who was apparently intoxicated. The caller first stated, "A bomb will go off at 11 o'clock." The caller later stated, "Bomb to go off at 11:30" and "All three plants will experience cobalt syndrome at 11:30". Searches were conducted with negative results. Fuel present at Units 1 and 2.

INTRUSION

II-62-01 10/25/62 Nuclear Materials and Equipment Corp. (NUMEC)
Leechburg, PA

At approximately 4:30 a.m., a lab technician in the unclassified area of the Hafnium Plant observed a stranger within this area. He approached the stranger, determined he was not a NUMEC employee, and immediately called the guard on duty at the reception desk. The guard searched the stranger and his automobile for possible stolen material with negative results. The intruder had the smell of intoxicants on his breath and when originally approached slurred out the statement "I came to see the foreman, I want a job."

The guard determined that the intruder had entered the area through a pedestrian door near the roll-up shipping door. The door was found to be unlocked. Examination of the door hardware indicated that the lock was operating satisfactorily. It was conjectured that a workman using this door for removal of trash may have inadvertently left the door unlocked.

II-71-01 08/30/71 Vermont Yankee
Vermont Yankee Nuclear Corp.
Windham County, VT

At about 8:45 p.m., a radio call was received by the guard at the main gate from the roving guard requesting assistance at the stack. Two guards responded to the call and found that the roving guard had been attacked. The roving guard had received blows about the head, a scratch across the abdomen and a deep laceration in the upper right leg. The local sheriff and state police were notified.

According to the roving guard, as he was patrolling the fence, he heard a noise in the stack control building. Upon entry, he was assaulted and struck with a sharp object. The intruder then ran west toward the switchyard.

The area was searched. A dog was used to search the wooded areas. Extra guards were placed near the area. A detailed search for damage or evidence was conducted by site security and plant personnel. Footprints were found coming from and going to the river. The footprints led to a hole in the north fence. No damage to material or equipment was detected. Roads in the area were patrolled throughout the night. Security was tightened. All patrols were doubled. Fuel present at site.

II-73-01 03/15/73 Ocone
 Duke Power Co.
 Ocone County, SC

Break-in at fuel storage building between 11:30 p.m., March 14 and 1:30 a.m., March 15 by person or persons who removed the door to gain access. No SNM missing or damaged. It was presumed that entry into the building was for the purpose of stealing tools or other equipment. Fuel present at site.

II-74-01 05/16/74 Nuclear Fuel Services
 Erwin, TN

At 12:50 a.m., a guard making a tour heard a mature male voice say, "Oh Lord, somebody is coming." The guard saw two individuals, one on the ground outside the fence and another on the outside about two feet from the top of the fence. The person near the top of the fence was being supported by a plank laying against the outside of the fence on an inclined angle. Almost instantaneously, the two individuals started running from the area. Additional security personnel were summoned by the guard and the local police were notified.

It was believed that the attempted penetration was an unplanned event performed by non-professional local individuals, probably as the continuance of a recent series of industrial and educational site break-ins which had been reported in the local press as having occurred in the area.

II-74-02 05/27/74 United Nuclear
 New Haven, CT

A guard who hoped to improve his chances for promotion fabricated an intrusion event. He admitted that he had made it appear that a break-in and attempted burglary occurred. No material was stolen as a result of this ruse.

II-74-03 09/04/74 U.S. Nuclear Corp.
 Oak Ridge, TN

Noise and a moving shadow were observed by a guard performing a routine inspection of the fence. Messenger wire found cut in one spot at the bottom of the fence fabric. It was determined that a penetration of the fence had not been achieved. No alarms from material access area doors occurred. Additional security personnel and local law responded.

II-80-10 09/03/80 St. Lucie
 Florida Power & Light Co.
 St Lucie County, FL

An individual was allowed unauthorized access to the St. Lucie Nuclear Plant Control Room during an emergency drill. Review of the circumstances revealed that a reporter employed by the Fort Pierce News Tribune, writing an article on St. Lucie County emergency services, entered the St. Lucie protected area in the company of the St. Lucie County Fire Chief and a responding ambulance. Both vehicles were escorted into the area by armed members of the security force. The medical personnel, the Fire Chief, and the reporter continued under armed guard to the control room. While in the control room, the reporter took pictures of ongoing activities until his presence and purpose were questioned. His film and notes were confiscated but later returned. Fuel present at site.

II-80-11 10/09/80 Farley
 Alabama Power Co.
 Houston County, AL

At 5:00 a.m., licensee employees were observed by guards to be approaching a contractor access gate located approximately one mile west of the protected area. The employees were apparently intoxicated, and were in possession of wire cutters and a small vial of gasoline. They were subsequently placed in the custody of the police. Fuel present at site.

II-80-12 10/24/80 Fermi
 Detroit Edison Company
 Monroe, MI

An individual was discovered on Fermi owner-controlled property (outside the perimeter fence) on two occasions on the above-referenced date. On the first occasion (approximately 3:00 a.m.) the individual was questioned by site security personnel and released. On the second occasion (approximately 4:30 a.m.) an arrest warrant was filed by site personnel and the individual was taken from Detroit Edison property by local authorities. Fuel not present at site.

II-80-13 10/27/80 Beaver Valley
 Duquesne Light Co.
 Beaver County, PA

At 1:30 p.m., the licensee found a normally-locked door between the top floor of the Primary Auxiliary Building and the Fuel Building (both Vital Areas) to have been forcibly opened. The door (which is kept locked to account for vital area access and had been observed to be undamaged on the midnight to 8 a.m. shift), had been pried open with a crowbar or similar tool. A search of the Fuel Building and contiguous areas was conducted with no apparent facility damage or unauthorized personnel found. Temporary repairs were made to the damaged door permitting it to be relocked, and the door was replaced on October 28, 1980. Fuel was present at site.

II-80-14 12/14/80 LaSalle
 Commonwealth Edison Co.
 LaSalle County, IL

At approximately 10:30 p.m., an automobile entered the site boundary through a construction gate after failing to stop for the watchman on duty. The driver, who appeared to be intoxicated, was subsequently apprehended for trespassing by the LaSalle County Sheriff's Department. The individual, who did not leave his car, was under continual surveillance during the incident. Fuel not present at site.

II-81-01 04/18/81 Millstone
 Northeast Nuclear Energy
 New London, CT

At approximately 2:00 a.m., an individual was apprehended inside the security fence by site security personnel. The individual was apparently intoxicated at the time, and had gotten under the fence to protest the presence of the plant. The individual was turned over to local law enforcement personnel. Fuel present at site.

II-81-02 08/28/81 Millstone
 Northeast Nuclear Energy Co.
 New London County, CT

At approximately 1:35 a.m., two individuals attempted to gain access to the Unit 3 construction site. The individuals were detained by the construction security force and were subsequently arrested by local law enforcement authorities. Fuel present at Units 1 and 2.

12/31/81

III-79-01 01/25/79 Bryn Mawr Hospital
Bryn Mawr, PA

A package containing 28 millicuries of iodine-131 in two 14 millicurie therapy capsules was discovered missing. The package had been received at 3:30 a.m., but at 9:30 a.m., when personnel attempted to locate it, the package could not be found. A search produced negative results.

III-79-02 01/29/79 Indiana University - Purdue
University at Indianapolis, IN

A package containing 10 millicuries of sodium iodine-125 (in solution) was discovered missing. The material had been received at 5:30 p.m. on January 26, 1979. A search of the facility and interviews with personnel produced negative results.

III-79-03 01/29/79 General Electric
Wilmington, NC

At 11:45 a.m., the General Manager of the facility informed NRC Region II that an extortion letter and a sample of UO_2 powder were found at his office door when he came to work. The letter stated that the writer had in his possession two 5-gallon containers of UO_2 powder that he had taken from the plant. The containers were identified in the letter by serial numbers and by the gross weight (approximately 145 pounds total). The letter further stated that enough UO_2 had been removed from one of the containers to furnish samples² to newspaper editors, senators, anti-nuclear group leaders and others if the writer's demand for \$100,000 in cash was not met by Thursday, February 1. The writer further stated that after the samples had been delivered, if he had not received the money, one container of UO_2 powder would be dispersed through one unnamed large American city. The UO_2 powder from the second container would be dispersed through another large city if an additional \$100,000 in cash was not provided at that time. The General Manager of the Wilmington facility verified the authenticity of the container's numbers and the fact that the containers were not in their assigned location. (The fact that two containers were missing was determined by the licensee's control and accounting system independently and simultaneously with the General Manager receiving the letter.) The FBI assumed investigative jurisdiction on January 29, 1979. On February 1, 1979, a temporary employee of a General Electric subcontractor was arrested. The employee was subsequently convicted and given a sentence of fifteen years.

III-32

III-79-04 02/01/79

H&H X-Ray Service
West Monroe, LA

A 41 curie iridium-¹⁹² sealed source, contained in a shielded camera which was stored in a 14 inch pipe that was welded to the steel bed in the rear of a service truck, was discovered missing.

III-79-05 02/19/79

St. Mary's Hospital
Waterbury, CT

An unopened package labeled radioactive, containing 20 capsules each containing 15 microcuries of iodine-131, was reported missing. The package was delivered at 5:30 a.m., and found to be missing at 8:00 a.m. A search produced negative results.

III-79-06 02/27/79

Toledo Hospital
Toledo, OH

A package containing 2.6 millicuries of 169-ytterbium DTPA was discovered missing at 8:00 a.m. The package was received on January 26, 1979, at 10:00 a.m. After a search, the outer cardboard shipping container was found in the hospital trash, but the material could not be located.

III-79-07 03/19-27/79

Abbot Laboratories
North Chicago, IL

A shipment of nominal 0.992 millicuries of iodine-125 (liquid) was apparently lost in transit. The shipment was sent on January 19, 1979 and should have arrived at its destination on April 4, 1979. (Also included in Category IV as Item IV-79-01.)

III-79-08 03/29/79

Pittsburgh Testing Laboratory
New Orleans, LA

A pickup truck belonging to the lab was stolen between 6-7 a.m. from an employee who had picked up a soil density gauge at the lab and stopped at his residence. The gauge contained a nominal 8 millicurie cesium-137 source and a 40 millicurie americium-241 source. The sources were not in a locked condition nor was the device in its normal wooden carrying case. The device was labelled with a "Caution Radioactive Materials" label.

III-35

III-79-18 11/29/79 Eastern Testing and Inspection, Inc.
Pennsauken, NJ

A shielded radiography device containing 55 curies of iridium-192 was found missing from the back of a truck used to transport the device from a work site to the licensee's facility. (Also included in Category IV as Item IV-79-12).

III-79-19 12/10/79 Rockford Memorial Hospital
Rockford, IL

Twelve iridium-192 "seeds" (containing a total of 4.5 millicuries) used in surgical implants were reported missing from the Rockford Memorial Hospital. It was originally believed that the loss occurred between 12/8/79 and 12/10/79; however, subsequent investigation revealed that the loss occurred sometime between 12/1/79 and 12/3/79. Following surveys by Federal and State officials utilizing radiation detection instruments, fifteen seeds (apparently not from among the twelve that were reported missing) were located. The licensee was immediately ordered to stop the use of iridium-192 seeds until a procedure was developed to ensure effective control over all sources and a physical inventory was conducted to account for all seeds received since January of 1976.

III-79-20 12/13/79 HITCO
Offshore Drilling Platform
Louisiana

The Louisiana State Government reported that a radiography device containing 48 curies of iridium-192 was lost overboard from a drilling platform located approximately 75 miles offshore in water 180 feet deep. The device was subsequently recovered by a team of divers on 12/28/79.

III-79-21 12/31/79 Derby Refinery Co.
Kansas

An Ohmart Model Lab -238-(S)-B gauge, containing between 2-4 millicuries of Cobalt-60, was lost when it became dislodged and dropped into a boxcar that was being loaded. The lost gauge was subsequently recovered in Port Arthur, TX.

MISSING/STOLEN
12/31/81

III-36

III-80-01 01/04/80 Indianapolis, IN

At 10:00 p.m. a radiographic camera containing a 35 curie iridium source was stolen from a radiography vehicle which was parked near a job site. The truck was locked and was forcibly entered. The camera was also locked. As a result of an anonymous tip the camera was located and retrieved.

III-80-02 01/17/80 Providence Hospital
Anchorage, AK

Ten iridium-192 seeds of approximately 0.3 millicuries each could not be accounted for during an inventory. A subsequent survey located the seeds.

III-80-03 01/30/80 Dow Chemical Co.
Midland, MI

A gauge containing a four millicurie Cs-137 source was reported lost. The gauge was last seen in a building that subsequently was demolished.

III-80-04 02/06/80 Glen Ellyn, IL

A package marked with a radioactive symbol was found in a telephone booth. A NRC inspector was dispatched to survey and inspect the package. No radiation readings above background were observed.

Subsequently, the licensee retrieved the package. The seal was intact and there was no evidence of tampering. The packaged contained 4 vials of technetium-99 with a total of 219 millicuries.

III-80-05 02/26/80 Wayne State University
Detroit, MI

A 20 millicurie shipment of phosphorous-32 orthophosphate from Amersham, Inc. to the University was determined to be missing. The shipment was apparently delivered, but a search failed to locate the material. (Also included in Category IV as Item IV-80-01).

III-80-06 03/04/80

St. Luke's Hospital
Kansas City, MO

The licensee reported that two kits, each containing 10 micro-curies of iodine-125, had been ordered and apparently delivered to the hospital's warehouse. Only one kit was delivered to the hospital's laboratory. It was speculated that the second kit either remained in the warehouse or fell off the delivery cart and was discarded. A search failed to locate the missing kit.

III-80-07 03/13/80

Chicago Area, IL

A NRC official received a telephone call from an unidentified individual. The caller alleged that he had some radium (radium-226) that he wished to dispose of. He stated that he had gotten the radium from a friend, but that he now feared the radiation he might be receiving. The caller correctly identified the radiation symbol on the outside of the device containing the alleged radium and said he believed the device contained 20 curies of radium. The individual agreed to place the device in a local phone booth and call the NRC official and tell him the location.

Subsequently, the individual made two more calls. He said that his friend had measured the device with a geiger counter and had gotten a measurement of 60 millirems/hr. (He did not state the distance at which this level was measured.) The caller further stated that his friend worked around medical equipment and had stolen the radium. Also, the individual was going to drop the matter because his friend had agreed to take the material back. Although the caller indicated he lived in the Chicago area he did not reveal his name or address.

On the same day the Radiation Safety Office (RSO) at the Indiana University Medical Center in Indianapolis was telephoned by an unknown individual and asked to describe a radium needle and the likely radiation levels around such a needle. The caller then stated that he was handed a case of radium needles in a gas station in southern Indianapolis. The individual also said that he had called the NRC and he was going to leave the case in a gas station in Indianapolis.

This event was a suspected hoax. The description given to the NRC by the caller was identical to the description given to the RSO by his unknown caller.

III-38

MISSING/STOLEN
06/30/81

III-80-08 03/14/80 Providence Hospital
Anchorage, AK

A 0.6 millicurie iridium-192 seed was reported missing when an interstitial implant was removed. The seed was subsequently located in the restricted area of the radioisotope storage room.

III-80-09 03/18/80 Winchester, MA

NRC was contacted by an individual who stated that he had picked up a "gamma sample changer" from a trash compacter and was concerned that it might be contaminated with radioactive material. On 3/19/80 the individual's home was surveyed. While no loose radioactive material was found, an unlabelled sealed source reading 11 millirem per hour was found in a shielded portion of the equipment. NRC arranged for the disposal of the equipment.

III-80-10 03/18/80 Clark Oil Refining
Hartford, IL

An Ohmart source holder containing a 25 millicurie cobalt-60 sealed source became detached and fell into a coke hopper at the licensee's coke production facility. The licensee determined that the source was probably located in a large pile of coke in the yard, on one of two barges heading toward Chicago or one of three freight cars heading toward Shawinigan, Quebec.

III-80-11 03/28/80 Pittsburgh, PA

At approximately 8:30 a.m. a representative of Troxler Electronic Laboratories discovered that his car had been broken into and a Model 3205 Troxler Moisture Gauge containing 40 millicuries of americium-241 stolen. The car had been parked overnight in a motel parking lot.

III-80-12 03/31/80 Information Technology Inc.
Needham, MA

It was reported that a vial containing 65 microcuries of xenon-133 had been inadvertently included in a carton containing computer parts. The licensed owner of the vial retrieved it.

III-45

III-80-39 12/15/80 Good Samaritan Hospital
Lebanon, PA

The licensee received a shipment of licensed material at 2:00 a.m. which was secured in the Nuclear Medicine Department. At 8:00 a.m., nuclear medicine personnel noted that 10 millicuries of xenon-133 were not present. The material was verified to have been delivered and signed for. A subsequent search revealed the intact package in a waste compactor.

III-81-01 01/03/81 Industrial Inspection Industries, Inc.
North Canton, OH

A truck containing a radiographic camera was stolen sometime between 11:00 p.m. on January 2, 1981, and 7:00 a.m. on January 3, 1981. The truck was parked overnight at the radiographer's home. The camera contained a 29 curie iridium-192 source.

III-81-02 02/13/81 Boise Cascade
Rumford, ME

A Radiation Safety Officer discovered during a routine walk-through of the mill that a thickness gauge containing 17 millicuries of cesium-137 was missing. The gauge had been taken off line during January, 1981, and was placed in the licensee's salvage department. The gauge was then mistakenly shipped to a scrap metal company on February 10, 1981.

III-81-03 02/20/81 Mallinckrodt, Inc.
St. Louis, MO

A package containing one therapeutic capsule (10 millicuries of iodine-131) was lost enroute to Pharmatopes, Inc. in Timonium, Maryland, from Mallinckrodt, Inc. of St. Louis, Missouri. (Also included in Category IV as Item IV-81-01.)

III-81-04 03/17/81 Assured Inspection Management, Inc.
Offshore Drilling Platform
Louisiana

A radiographic camera containing an 85 curie iridium-192 sealed source fell off a drilling platform located in the Gulf of Mexico (fourteen miles from the State of Louisiana shore). The source was in the shielded position and divers attempted unsuccessfully to retrieve the camera.

III-46

III-81-05 04/08/81 Kerr-McGee Corporation
Cimarron, OK

Radioactive material in a tack-welded metal sheath was found in a surplus equipment storage area. The material weighed approximately 165 grams, and was determined to have been received in the late 1960's.

III-81-06 06/04/81 Bicron Corporation
Newbury, OH

A 98.1 microcurie cesium-137 sealed source was found missing, and after several searches, was presumed lost. The source was believed to have been mistakenly discarded into the trash.

III-81-07 07/21/81 Technical Operations
Burlington, MA

A source changer (which was subsequently found to have been shipped with 1.25 curie Iridium-192 radiography source) was reported lost in transit on the above date. The source and source changer, originally shipped by a firm in Argentina, were scheduled to transit JFK Airport in New York and Logan Airport in Boston, MA. Searches of warehouses at each airport proved negative. (Also included in Category IV as Item IV-81-03).

III-81-08 09/18/81 E.L. Conwell and Co.
Philadelphia, PA

At about 3:30 p.m., the licensee discovered that an Iridi-tron-100 projector containing 65 curies of Iridium-192 was missing. The projector was subsequently found by a security officer in a nearby building under construction. The projector was intact and did not appear to have been tampered with.

III-81-09 11/23/81 Testing Engineers and Consultants, Inc.
Troy, MI

At approximately 11:00 a.m., a vehicle containing a Troxler model 3400 density gauge (containing 8.0 mCi of Cesium-137 and 40.0 mCi of Americium-241) was stolen from a testing site in the Detroit, MI area.

III-UNK-01 Prior to 1977 Doctors' Memorial Hospital
Carbondale, IL

A one-millicurie cesium-137 calibration source and its lead storage container were found to be missing from the isotope laboratory. The source was made of solid epoxy and cesium-137 contained inside a 30 milliliter glass vial. The vial bore a label indicating that it contained radioactive material. The lead container was not labelled or locked. A radiation survey of the hospital failed to locate the source.

III-UNK-02 Prior to 1977 Dresser Industries, Inc.
Dresser-Atlas Division
Houston, TX

During well-logging operations, a four-curie americium-241 and beryllium source contained in a logging tool became lodged in a well near Cody, Wyoming, at a depth of 6,627 feet. Recovery efforts were unsuccessful and the source was cemented in place. The well was placarded to indicate that it contained radioactive material.

III-UNK-03 Prior to 1977 Amersham/Searle Corporation
Arlington Heights, IL

Two 500-millicurie promethium-147 sources shipped via air from Amersham/Searle to the Columbia Scientific Industries, Inc., Austin, Texas, were not received. The sources were in the form of discs 3/8" in diameter and 1/8" thick with gold-plated aluminum covering the radioactive material. Each source was contained in a small lead container which was sealed in a steel can. The can was labelled to indicate that it contained radioactive material. An investigation indicated that the shipment, for reasons unknown, was disposed of as normal trash by the air carrier and transferred to a landfill area located near Dallas, Texas. (Also included in Category IV as Item IV-UNK-01.)

III-UNK-04 Prior to 1977 Dresser Industries, Inc.
Dresser-Atlas Division
Houston, TX

During well-logging operations, a one-curie cesium-137 source became lodged in an oil well located in Major County, Oklahoma, at a depth of about 1500 feet. Recovery operations were unsuccessful and the source was cemented in place.

III-UNK-05 Prior to 1977 Beatrice Foods Company
Chicago, IL

After extensive remodeling of the licensee's facility, a gas chromatograph containing a 250-millicurie tritium foil could not be located. All attempts to locate the chromatograph were unsuccessful and the licensee concluded that the device was disposed of via normal trash following renovation of the facility. The outer container of the gas chromatograph cell was labelled to indicate the presence of radioactive material.

III-UNK-06 Prior to 1977 Bell Laboratories
Murray Hill, NJ

During a routine inventory, a 142-microcurie strontium-90 source was found to be missing. A search for the missing source was successful and it was recovered intact in an unoccupied store room in the licensee's facility.

III-UNK-07 Prior to 1977 U.S. Department of Commerce
National Bureau of Standards
Washington, DC

Two water samples containing approximately 7 microcuries of tritium were reported lost during shipment to the Atomic Energy Research Establishment, Harwell, England. The samples were found several weeks later at the consignee's address. (Also included in Category IV as Item IV-UNK-02.)

III-UNK-08 Prior to 1977 Diamond Shamrock Chemical Co.
Fairport Harbor, OH

In conducting a followup inspection in May, 1980 on the above expired license, NRC requested information regarding the disposition of any licensed material procured under the license. The licensee was unable to account for a Nuclear-Chicago Corp. gauge containing a sealed source of approximately 500 millicuries (as of 9/66) of cesium-137. The gauge was used by the company until the Fairport Harbor plant was closed down in about 1/77. Portions of the plant have since been sold, torn down and removed. Additionally, parts of the plant were sold to a scrap dealer. A survey of the plant and scrap dealer's sites was made in an unsuccessful attempt to locate the gauge.

IV-9

- IV-80-04 07/29/80 Pharmatopes
Oak Park, MI
See Category III, Item III-80-26.
- IV-80-05 09/20/80 Automation Industries
Phoenixville, PA
See Category III, Item III-80-31.
- IV-80-06 09/25/80 Gamma Diagnostic Laboratories
Attleboro Falls, MA
See Category III, Item III-80-32.
- IV-80-07 11/10/80 Mallinckrodt, Inc.
St. Louis, MO
See Category III, Item III-80-35.
- IV-80-08 11/12/80 Minnesota Mining and Manufacturing Co. (3M)
St. Paul, MN
See Category III, Item III-80-36.
- IV-80-09 11/25/80 United States Testing Co.
Reading, PA
See Category III, Item III-80-37.
- IV-80-10 12/07/80 Mallinckrodt, Inc.
St. Louis, MO
See Category III, Item III-80-38.
- IV-81-01 02/20/81 Mallinckrodt, Inc.
St. Louis, MO
See Category III, Item III-81-03.
- IV-81-02 07/08/81 Beaver Valley
Duquesne Light Co.
Beaver County, PA
See Category VII, Item VII-81-02.

IV-81-03 07/21/81 Technical Operations
Burlington, MA

See Category III, Item III-81-07.

IV-UNK-01 Prior to 1977 Amersham/Searle Corp.
Arlington Heights, IL

See Category III, Item III-UNK-03.

IV-UNK-02 Prior to 1977 U.S. Department of Commerce
National Bureau of Standards
Washington, DC

See Category III, Item III-UNK-07.

V-79-04 06/25/79 Watts Bar
Tennessee Valley Authority
Spring City County, TN

At 9:30 a.m., NRC was notified by the licensee that in the course of making cable checks, an electrical conductor within a single cable for the unit 1 containment spray system was found cut, with the sheathing replaced around the cut. In addition, two conductors in a unit 2 safety-related electrical panel were found with insulation cut away from the cable. Fuel not present at site.

V-79-05 08/10/79 Saginaw City Government
Saginaw, MI

A moisture density gauge containing 10 millicuries of cesium-137 and 50 millicuries of americium-241 was vandalized by some children at a road construction site in Saginaw, Michigan. During the incident the gauge was dropped and damaged; the radioactive sources, however, remained intact. A survey made by the local county health department indicated no contamination or abnormal levels of radioactivity.

V-79-06 10/16/79 Watts Bar
Tennessee Valley Authority
Spring City, TN

At approximately 2:00 p.m., the licensee discovered that an unknown individual(s) had placed a 3/16" iron wire around a 480 volt AC bus in the auxiliary building. It was determined that touching the wire could have damaged the board and done bodily harm to the individual so doing. Fuel not present at site.

V-79-07 12/03/79 Quad Cities
Commonwealth Edison Co.
Rock Island County, IL

During a valve verification check performed by the reactor operator at approximately midnight, two valves were found closed for no apparent reason. The valves were immediately returned to the open position, which is the status specified by operating procedures. The valves had last been verified in the open position at 8:00 a.m., and there was apparently no maintenance or surveillance testing performed on the system on the day in question. As the valves switches are separated by at least six feet, it appears that this occurrence was the result of a deliberate act performed by knowledgeable plant employee(s). The licensee increased the frequency of the valve verification procedure and notified the Federal authorities. Fuel present on site.

V-8

VANDALISM
12/31/81

V-81-09 12/01/81 Perry
Cleveland Electric Illuminating Co.
Lake County, OH

On the above date, a handful of metal filings was discovered in the SCRAM discharge volume piping during the initial system checkout and flushing operation. The Perry facility is under construction, with the Unit in question approximately 70% complete. No fuel present at site.

V-81-10 12/07/81 Fermi
Detroit Edison Co.
Monroe County, MI

On the above date, the licensee reported three cases of apparent vandalism in the RHR building. In each case, a blunt object was used to dent small components (a 2-inch globe valve, a 1-inch stainless steel line and a 90-degree elbow). Fuel present at site.

VII-77-01 cont.

A search of the area disclosed no evidence of the origin or motivation for the off-site firearms discharge. The moon was full and the weather clear. It had been reported that poaching deer hunters had been active in the area.

Subsequently, it was revealed that the guard had fabricated the event and was discharged.

VII-77-02 02/22/77

Hatch
Georgia Power Co.
Appling County, GA

A construction employee had a fight with a Georgia Power Co. employee somewhere on company property, but not in the vicinity of either nuclear unit. After the construction worker was fired and ordered to leave company property, he attempted to run down a security guard with his private vehicle. The guard dodged the car, drew his weapon, and fired one shot at the tires of the receding car. The vehicle was not hit. Subsequently, the construction worker was arrested and the guard suspended. Fuel present at site.

VII-77-03 07/17/77

Palisades
Consumers Power Co.
Van Buren County, MI

An anonymous telephone threat was received at the site at 5:37 p.m. The caller stated that he was going to shoot the hell out of the place that night. Authorities were notified and security precautions taken. No unusual activities or incidents were noted at the site. It was speculated that recent layoffs may have motivated the anonymous caller. Fuel present at site.

VII-78-01 05/18/78

Three Mile Island
Metropolitan Edison Co.
Dauphin County, PA

At approximately 10:15 a.m., during a routine search of a Tri-State Motor Transit Inc. tractor trailer at the entry point leading into the site, a .45 caliber handgun and ammo clip containing six rounds of .45 caliber ammunition were found under a pillow in the tractor sleeping compartment. The Tri-State truck was entering the site to pick up a radwaste shipment. The driver and co-driver were detained because of their attempt to bring an unauthorized weapon on site. Fuel present on site.

VII-78-02 09/03/78

Millstone
Northeast Nuclear Energy Co.
New London County, CT

At 3:40 a.m., a watchman employed by a contract guard service at Millstone attempted to enter the protected area with an unloaded derringer pistol in his sock. The portal metal detector properly alarmed and the gun was discovered. The watchman was told to place the weapon in his vehicle. At 4:30 a.m., the watchman again entered the site through the same metal detector again carrying the derringer in his sock. The detector did not alarm, where upon the watchman presented the weapon to the guard on duty to show that the metal detector did not function as required. Following this second incident he was ordered to leave the site. The watchman was a summer employee and this was his last work day. Following the incident the licensee tested the metal detector using prescribed test samples and the detector functioned properly. Fuel present at site.

VII-78-03 11/28/78

Washington, PA

An escorted Tri-State Motor Truck (TMT) armored tractor towing a trailer containing fuel assemblies was fired upon at 9:00 a.m., five miles west of Washington, Pennsylvania, near the West Virginia border. One shot was fired at the right front of the vehicle from a wooded area near the highway. There were no injuries and damage to the truck was minimal. The windshield was hit by what appeared to be three pellets of double ought (00) buckshot. Five other indentations in the cab and one in the trailer were also found. Neither the cab nor trailer were penetrated by the shot and none of the truck or escort crew saw anyone before or after the shot. The shipment proceeded to its destination without incident. The shooting occurred in a region where several shooting incidents were reported in connection with a labor strike. (Also included in Category IV as Item IV-78-09.)

VII-79-01 03/15/79

Connecticut Yankee
Connecticut Yankee Atomic Power Co.
Middlesex County, CT

During a routine search of a trucking company tractor trailer at the main gate leading to the protected area at approximately 10:00 a.m., an unloaded shotgun was found in the tractor along with a vial of an unknown, supposedly controlled, drug referred to by the driver as "rockets." The site security guard detained the driver and summoned the state police who arrested the driver. It was determined that the driver was legally in possession of the shotgun, however, the police detained the driver pending the results of an analysis of the "rockets." Fuel present at site.

VII-79-02 07/02/80 Quad Cities
Commonwealth Edison
Rock Island County, IL

At approximately 8:10 p.m., while three guards were cleaning weapons in the gate house at the entrance to the protected area, a guard accidentally discharged a .38 caliber revolver. The bullet struck a bullet-resistant door. No one was injured in the incident. The guard was immediately suspended. Fuel present at site.

VII-79-03 07/22/79 Salem
Public Service Electric and Gas Co.
Salem County, NJ

At approximately 6:30 p.m., a loaded .357 magnum revolver was discovered in a suitcase during an exit search of a health physics contractor employee who had entered the site at approximately 7:00 a.m. Although the suitcase was examined by an x-ray scanner at the time it was carried into the facility, the weapon (if it was in the case at that time) was not detected. Particular attention was given to the search of this suitcase as the employee was alleged to have stated that he had marijuana for sale. No such material was found, and the individual was not detained nor the weapon confiscated. The employee was barred from the site and was subsequently released by his employer. Fuel present at site.

VII-79-04 08/22/79 Connecticut Yankee
Connecticut Yankee Atomic Power
Middlesex County, CT

At approximately 8:30 a.m., a truck driver operating a tractor-trailer reported to the plant to pick up low-level radioactive waste. The driver informed the security organization that he was carrying a .22 caliber revolver with three rounds of ammunition in his cab, and requested that the licensee security organization accept temporary custody of the weapon. The plant security organization agreed, and notified plant management. As the driver did not have a permit to carry the weapon, the Connecticut State Police were notified and arrested the driver at approximately 10:00 a.m. The driver was immediately charged, arraigned and released on bond. The weapon and ammunition were given to the state police. Based upon the arrest, the licensee refused to grant the driver access to the site, and notified the carrier of his unacceptability. Fuel present at site. (Also included in Category IV as Item IV-79-09.)

VII-79-05 11/8/79

Millstone
Northeast Nuclear Energy Co.
New London County, CT

Contractor employees reported that an ex-employee who had been recently terminated was heard making threatening remarks about former supervisors in the non-limited access contractor parking area at about 6:30 a.m. Subsequently, it was discovered that the individual had a shotgun in his car. The local police were notified and arrested the individual. Fuel present at site.

VII-80-01 01/21/80

Zimmer
Cincinnati Gas & Electric Co.
Clermont County, OH

At approximately 6:00 p.m., during a routine security force shift change, a .38 caliber pistol was accidentally discharged into the guards' clothing locker in the gatehouse. The guard was suspended. Fuel present at site.

VII-80-02 02/80

Browns Ferry
Tennessee Valley Authority
Limestone County, AL

During an investigation of unexplained reactor trips at the site eight employees were suspended. Subsequently, the wife of one of the employees appeared at site and requested to see the plant supervisor. During the routine search a .38 caliber pistol and knife were found in her possession. Fuel present at site. (See also event V-80-02 in Category V.)

VII-80-03 04/28/80

Hittman Nuclear Development Corp.
Waukegan, IL

Possible use of firearms. It was reported that at 2:45 p.m. a Hittman nuclear truck was shot at near Waukegan, IL. The window glass was shattered and glass wounded the driver in the neck. The other person in the cab was not hurt. The truck was carrying low specific gravity radioactive waste. Subsequently, it was speculated that the trucks windshield had been struck by a rock. (See Category IV, Item IV-80-03.)

VII-80-04 05/01/80 United Nuclear Corp.
Uncasville, CT

At approximately 11:00 p.m., a 24 year old contract guard (assigned to a vehicle patrol outside the perimeter of the protected area) shot himself in the head with his service revolver. At 11:02 p.m. when an attempt to establish radio contact with the guard failed, two other security force personnel were dispatched to investigate. His weapon was in his hand and one shot had been fired. He was transported by ambulance to the hospital where he died.

VII-80-05 10/17/80 Beaver Valley
Duquesne Light Co.
Beaver County, PA

The licensee reported that a .25 caliber handgun, used as a standard for testing of metal detectors, was discovered missing. The functional weapon, which was stored in the continuously-manned guardhouse at the protected area boundary, was last accounted for on 9/30/80. Fuel present at site.

VII-80-06 12/05/80 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

At 11:15 p.m., two Rancho Seco security guards on routine protected area patrol heard what they believed to be three to five shots from a firearm. The guards thought that they were being fired upon and initiated a security alert. The licensee's armored vehicle responded to the area from which the shots allegedly came. The protected area and the owner-controlled area were searched with negative results. Fuel present at site.

VII-81-01 04/24/81 Robinson
Carolina Power and Light Co.
Darlington County, SC

At approximately 8:15 p.m., a member of the contract security organization discovered a .38 caliber handgun and 50 rounds of ammunition missing from the firearms locker located in the Security Administration Building. The weapon, which had last been accounted for between 3:30 p.m. and 7:00 p.m., was apparently left unsecured due to firing range practise and associated movement of weapons. Polygraph examinations of individuals in the security organization who worked on the relevant shifts were completed on April 29 with inconclusive results. Fuel present at site.

VII-81-02 07/08/81

Beaver Valley
Duquesne Light Co.
Beaver County, PA

At approximately 10:00 a.m., a Tri-State Motor Transit Company contractor vehicle attempted to gain access to the protected area to pick up a radwaste shipment. During a routine search of the vehicle prior to entry to the protected area, a security officer discovered a handgun inside the vehicle. Following this discovery, the driver voluntarily surrendered a second handgun which had also been concealed within the truck's cab. Site security personnel held the firearms until the vehicle exited the protected area. Fuel present at site. (Also included in Category IV as Item IV-81-02).

VII-81-03 08/19/81

Beaver Valley
Duquesne Light Co.
Beaver County, PA

A .38 caliber handgun was discovered missing from the security force ready room following a routine daily inventory of weapons. The handgun had last been inventoried during the day shift on August 18, 1981. Fuel present at site.

VII-81-04 11/28/81

Crystal River
Florida Power Corporation
Citrus County, FL

Following two days off-duty, a Security Shift Supervisor reported a missing firearm. The handgun was last seen at approximately 10:40 p.m. on November 26, 1981, when it was reportedly stored in the guardhouse gun locker. Fuel present at site.

IX-75-01 10/15/75 Calvert Cliffs
Baltimore Gas & Electric Co.
Calvert County, MD

At 5:00 p.m., a security guard found a gate on the 27-foot level of the auxiliary building had been opened by removal of a hinge pin. No indication of entry into vital areas, which are alarmed, was noted. Fuel present at site.

IX-75-02 10/22/75 Pilgrim
Boston Edison Co.
Plymouth County, MA

The individual involved in an apparent bomb threat appeared at Pilgrim's public area around 6:00 p.m. He departed when a police cruiser appeared. Fuel present at site.

IX-75-03 12/02/75 Palisades
Consumers Power Co.
Van Buren County, MI

State Police advised Consumers Power Company of threat made by resident of South Haven, MI. Apparent hoax. Fuel present at site.

IX-76-01 03/04/76 Diablo Canyon
Pacific Gas & Electric Co.
San Luis Obispo County, CA

General threat. Apparent hoax. Fuel not present at site.

IX-76-02 03/05/76 Diablo Canyon
Pacific Gas & Electric Co.
San Luis Obispo County, CA

Map found with site circled. Other circled areas indicated areas to be bombed. No bombs located and no explosions occurred. Fuel not present at site.

IX-78-06 11/20/78 Duane Arnold
Iowa Electric Light & Power Co.
Linn County, IA

Apparent hoax threat. The Chairman of the Board, Iowa Electric Light & Power Co., received a letter from an organization that threatened terrorism, kidnapping, or sabotage if the power station was not permanently shutdown. The matter was investigated by appropriate law enforcement authorities. Fuel present at site.

IX-79-01 01/02/79 Shearon Harris
Carolina Power and Light Co.
Wake & Chatham Counties, NC

At 8:00 a.m., the licensee discovered the theft of 225 lbs. of dynamite and 335 electric blasting caps from the plant construction site. The explosive materials, the property of a site contractor, were taken from a locked magazine sometime after 6:00 p.m. the previous evening. Entry to the magazine was gained by prying off the door hinges. The magazine was located outside the fenced perimeter on utility company property in an area not routinely patrolled by the site security force. Fuel not present at site.

IX-79-02 02/10/79 Duane Arnold
Iowa Electric Light & Power Co.
Linn County, IA

Apparent hoax threat. A company official at the site received a threatening letter. The matter was investigated by appropriate law enforcement authorities. Fuel present at site. (See next entry.)

IX-79-03 04/23/79 Duane Arnold
Iowa Electric Light & Power Co.
Linn County, IA

A local radio/T.V. station in Cedar Rapids, IA, received a letter from a group taking credit for two alleged acts of industrial sabotage at Duane Arnold. The group also claimed to have 100 grams of plutonium which they threatened to use to cause contamination of corporate headquarters and the residence of the president of the utility unless the plant was closed down by May 4, 1979. The group claimed the plutonium was taken from the Rocky Flats Plant.

IX-81-06 03/19/81 Crystal River
 Florida Power Corp.
 Citrus County, FL

At approximately 4:00 p.m., the Citrus County Sheriffs Department arrested 13 individuals in the vicinity of the Crystal River nuclear site. The group, taken into custody approximately two miles from the facility and charged with trespassing on private property, wore military camouflage uniforms and were armed with what appeared to be automatic weapons. At the time of their arrest, the individuals declined to identify themselves except for one individual who identified himself as a civilian advisor.

IX-81-07 05/21/81 River Bend
 Gulf States Utilities Co.
 Pointe Coupee County, LA

A contractor quality control employee, observed by security personnel to be acting in a suspicious manner, was investigated and subsequently terminated for the use of controlled substances on the job. The licensee notified the local Sheriff's department of the incident. Fuel not present at site.

IX-81-08 05/28/81 Rancho Seco
 Sacramento Municipal Utility District
 Sacramento County, CA

Local law enforcement authorities arrested an employee assigned to Rancho Seco and a contractor employee working on the site for the sale of marijuana and cocaine. These arrests were the result of an investigation that began in November 1980 by the Sacramento Municipal Utility District Security Department when a cache of tools was found, obviously brought together to later be removed from the site. Investigation into the tool thefts developed information indicating possible narcotics usage at Ranch Seco. Fuel present at site.

IX-81-09 06/04/81 Maine Yankee
 Maine Yankee Atomic Power Co.
 Lincoln County, ME

The licensee received an anonymous letter (postmarked in Portland, Maine) which implied a plot to harm the facility. The note was similar to some threats received by the parent utility, Central Maine Power. Fuel present at site.

IX-81-10 06/12/81 Oyster Creek
 Jersey Central Power and Light Co.
 Ocean County, NJ

At 7:40 a.m., a contractor employee was selected at random for search at the contractor access control point. The search revealed a 35 mm film canister containing three to four grams of a green substance which was identified by the contractor as marijuana. The employee's unescorted access was withdrawn and local law enforcement authorities were notified. Fuel present at site.

IX-81-11 07/31/81 McGuire
 Duke Power Co.
 Mecklenbury County, NC

At approximately 8:00 p.m., a contract security officer reported finding a smoldering incendiary device in a storage area of the Auxiliary Building. The device was a 5-gallon can approximately 1/8 full of a substance identified as paint thinner. A paper towel wick was found protruding through the spout of the can. Subsequent investigation revealed that the security officer had staged the event in an attempt to obtain a promotion. Fuel present at site.

IX-81-12 09/14/81 Shearon Harris
 Carolina Power and Light Co.
 Wake and Chatham Counties, NC

Five construction personnel were discovered smoking marijuana during a work break, terminated and escorted off-site. No fuel present at site.

IX-81-13 09/20/81 Grand Gulf
 Mississippi Power and Light Co.
 Claiborne County, MS

A Senior Reactor Operator was arrested off-site on and charged with drug possession. The licensee suspended the individual and initiated an internal investigation. Fuel present at site.

IX-17

IX-81-14 09/23/81 Farley
Alabama Power Co.
Houston County, AL

Six employees of Alabama Power Company were suspended following a company-initiated investigation concerning drug use at the plant. No on-site drug use was discovered; some minor off-site use was confirmed. No NRC-licensed reactor operators were identified as being involved. Fuel present at site.

IX-81-15 10/03/81 Turkey Point
Florida Power and Light Co.
Dade County, FL

A contractor employee was found with a controlled substance while undergoing on-site treatment for an apparent medical problem. Fuel present on site.

IX-81-16 10/16/81 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

A student operator trainee was arrested at the Sequoyah site and charged with off-site sale of drugs. The individual's site access authorization was removed by the licensee. Fuel present at site.

IX-81-17 10/21/81 Peach Bottom
Philadelphia Electric Co.
York County, PA

At approximately 2:00 p.m., a licensee employee found a sandwich bag containing a small amount of marijuana in a parking lot on licensee property outside the protected area. Fuel present at site.

IX-81-18 10/22/81 Humboldt Bay
Pacific Gas and Electric Co.
Humboldt County, CA

At 11:56 p.m., two unidentified males were observed outside a perimeter access gate by a security officer. Apparently alerted to the officer's presence as he radioed his report, the individuals moved to a nearby hillside where a sharp, loud noise was heard by two security officers maintaining surveillance of these individuals. The Humboldt County Sheriffs Department was summoned to the site

IX-18

IX-81-18 cont'd

and conducted a search of the area. According to the licensee, the area around the access gate showed signs of digging, and two strands of barbed wire topping were reportedly broken. The licensee increased site security posture. No persons were apprehended. Fuel present at site.

IX-81-19 12/09/81 Monticello
Northern States Power Co.
Wright County, MN

At approximately 6:00 a.m., the NRC Resident Inspector discovered two security officers sleeping at their gatehouse posts. Subsequent investigation revealed that during the time the security officers were asleep (determined to be a maximum of 20 minutes) there was no evidence of unauthorized entry to the facility. Fuel present at site.

IX-81-20 12/09/81 Surry
Virginia Electric and Power Co.
Surry County, VA

Following an investigation into alleged illegal drug use by licensee employees, five security personnel resigned and 13 were terminated for using marijuana off-site or reporting to work under its influence. Fuel present at site.

IX-81-21 12/31/81 Millstone
Northeast Nuclear Energy Co.
New London County, CT

At about 1:32 a.m., the security organization for Unit 3 reported a possible intruder within their controlled area. Unit 3 is a construction site adjacent to the operating Millstone units' protected area. A search was conducted with negative results. Fuel not present at site.

APPENDIX A - STATISTICS

This appendix contains 9 graphics derived from the data presented in the main body of this document. The figures refer to reported events from 1976 through 1981, a period of six years. Data are divided into reactor and non-reactor (i.e., fuel cycle-related) events; categories of incidents shown are generally consistent with those presented in the body of the report. The significance of variations in activity levels during the reporting period should be viewed with caution as reporting standards for safeguards events have changed during the period under consideration.

Figure 1 provides an overview, by year, of the data base used for all figures presented in this appendix, a total of 608 safeguards events from 1976 through 1981. The graph illustrates that safeguards event activity increased by more than 100% from 1978 to 1979, remained relatively constant in 1980, then decreased by approximately 37% between 1980 and 1981.

Figure 2 shows the total population of 608 safeguards events plotted against the five NRC geographic regions in which they occurred.* Regions 1, 2 and 3 each have had roughly twice as many events as Regions 4 and 5, which is due primarily to the vastly higher number of licensed facilities in Regions 1, 2 and 3 as compared to Regions 4 and 5.

Figure 3 displays the percentage of events falling into each safeguards category. The majority of events (55%) during the six year period have been bomb threats. The vast majority of bomb threats have been directed at reactor facilities (316 out of 335 over the six years). The next most common class of event is material missing, lost or stolen (19%). It should be noted that the 0.8% indicated for the transportation category reflects only those events that are not already included in another category, as the transportation category is generally a cross-reference.

Figure 4 displays the total number of bomb threats (335) directed at both reactor and non-reactor activities by year. This graph shows peak bomb threat activity during 1979 followed by two years of decline.

Figure 5 illustrates the percentage of reactor events (a population of 450) by category and shows that more than 70% of all safeguards events at reactors have been bomb threats.

Figure 6 plots the total number of reported intrusion events (36) by year. The graph shows peak activity in 1980; however, the relatively small sample size calls for caution in judging the significance of activity levels.

*These regions, which correspond to NRC organizational entities, are made up as follows: 1 - CT, DE, DC, ME, MD, MA, NH, NJ, PA, RI, NY, VT; 2 - AL, FL, GA, KY, MS, NC, PR, SC, TN, VA, WV; 3 - IA, IL, IN, MI, MN, MO, OH, WI; 4 - AR, CO, ID, KS, LA, MT, NB, ND, NM, OK, SD, TX, UT, WY; 5 - AK, AZ, CA, HI, NV, OR, WA.

Figure 7 shows that 27 vandalism events have been reported for the six year period under consideration. The relatively small number of reported vandalism incidents is indicative of the relative infrequency of such events. The vandalism events reported between 1976 and 1981 represent less than 5% of all safeguards events.

Figure 8 shows the relatively small number of reported firearms-related events that have occurred at all facilities. The 22 events comprise less than 4% of the safeguards event population.

Figure 9 shows the number of reported drug and alcohol-related events increasing since 1978. The 17 events during 1981 comprise about 2.8% of the total reported safeguards event population.

NUMBER OF REACTOR (450) AND NON-REACTOR (158) EVENTS BY YEAR
1976-1981

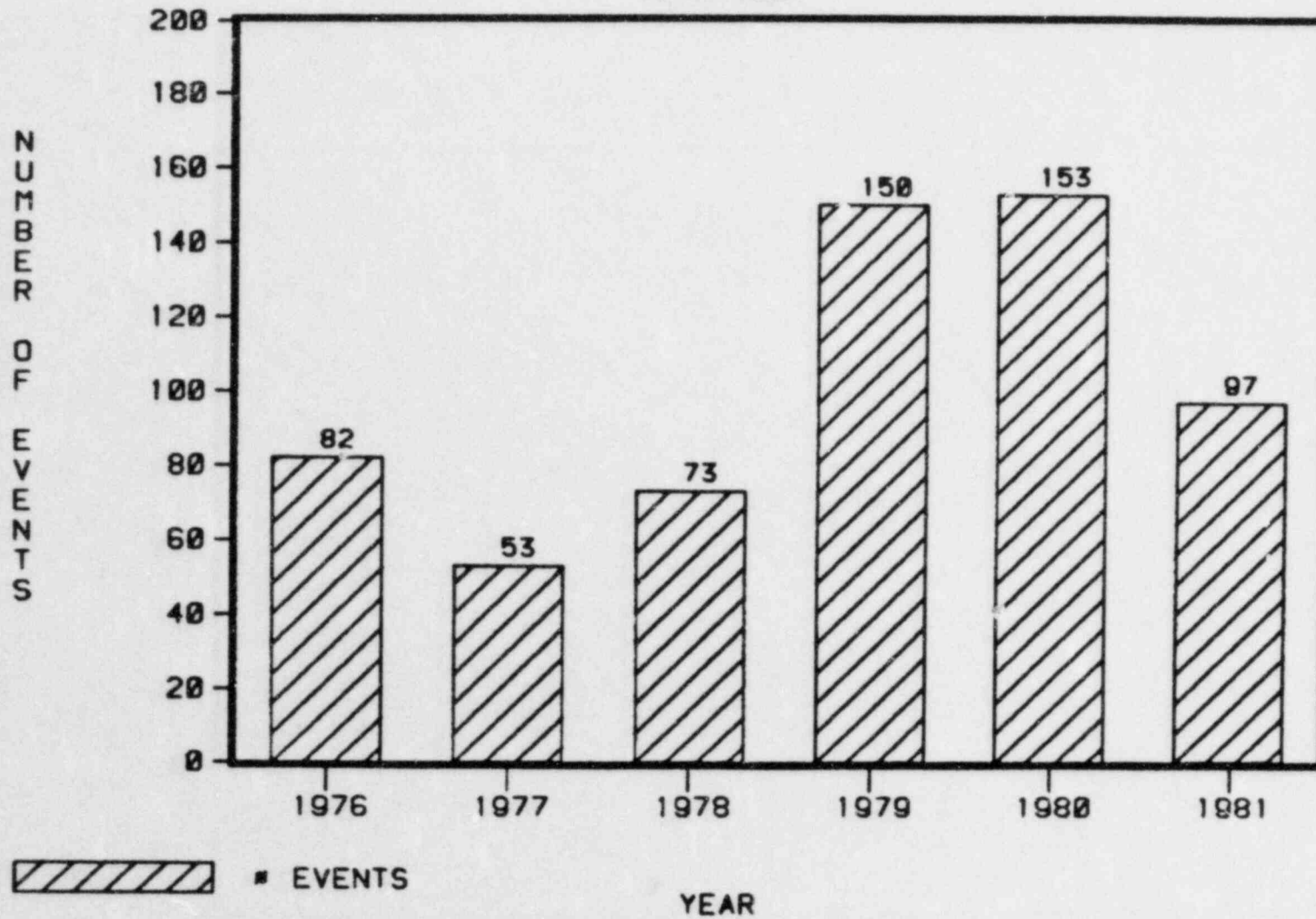
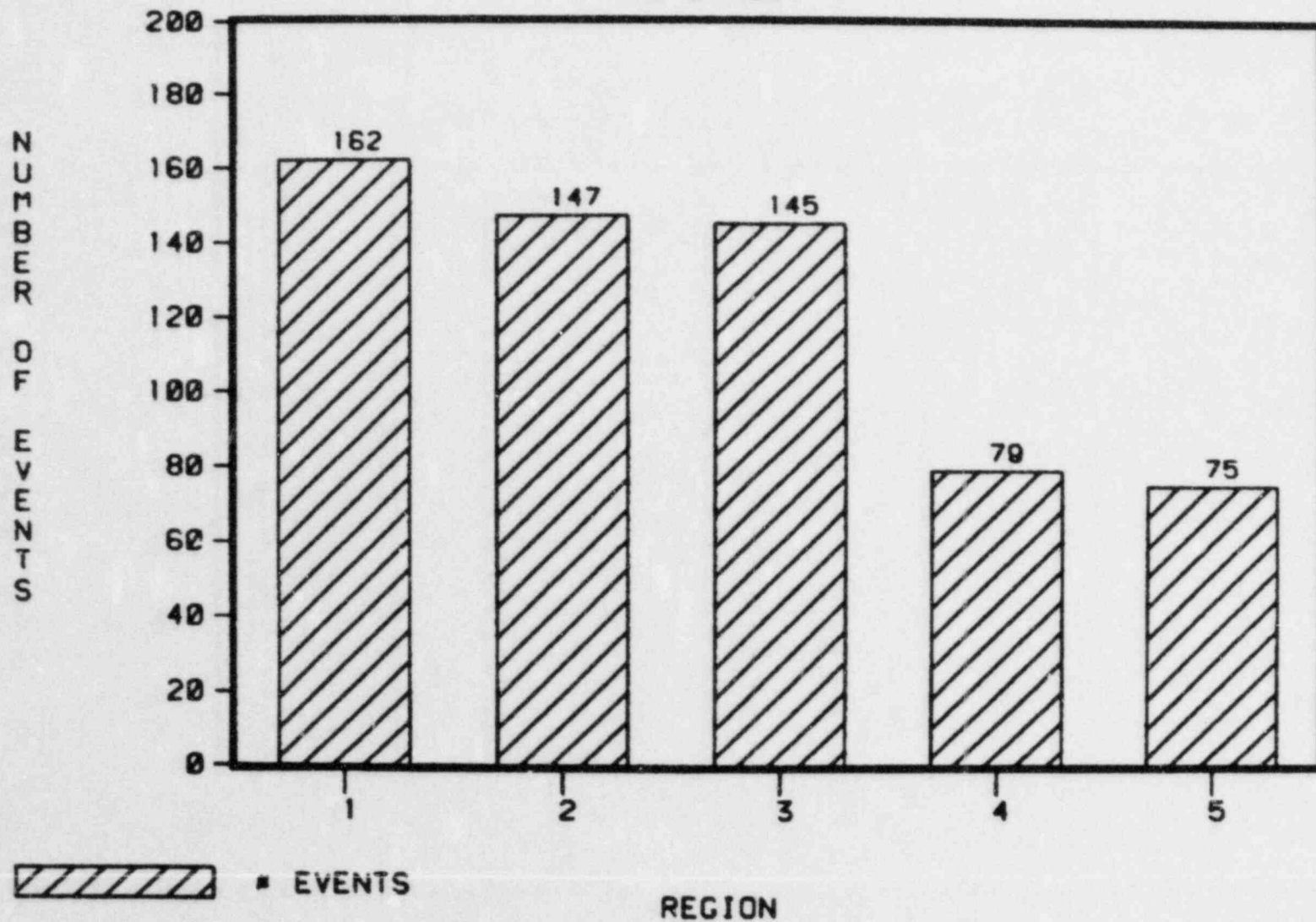


FIGURE 1

NUMBER OF REACTOR (450) AND NON-REACTOR (158) EVENTS BY REGION
1976-1981



REGION

FIGURE 2

4-4

PERCENTAGE OF REACTOR AND NON-REACTOR EVENTS BY CATEGORY (608)
1976-1981

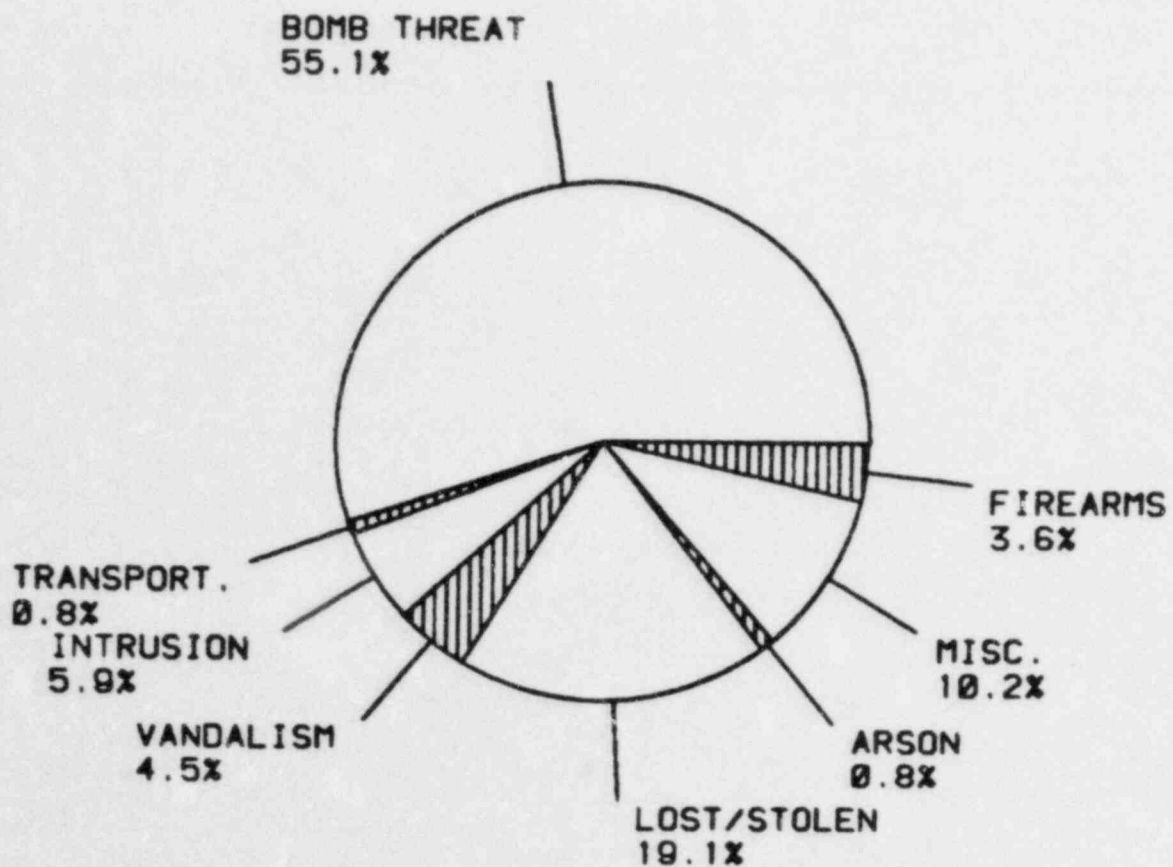
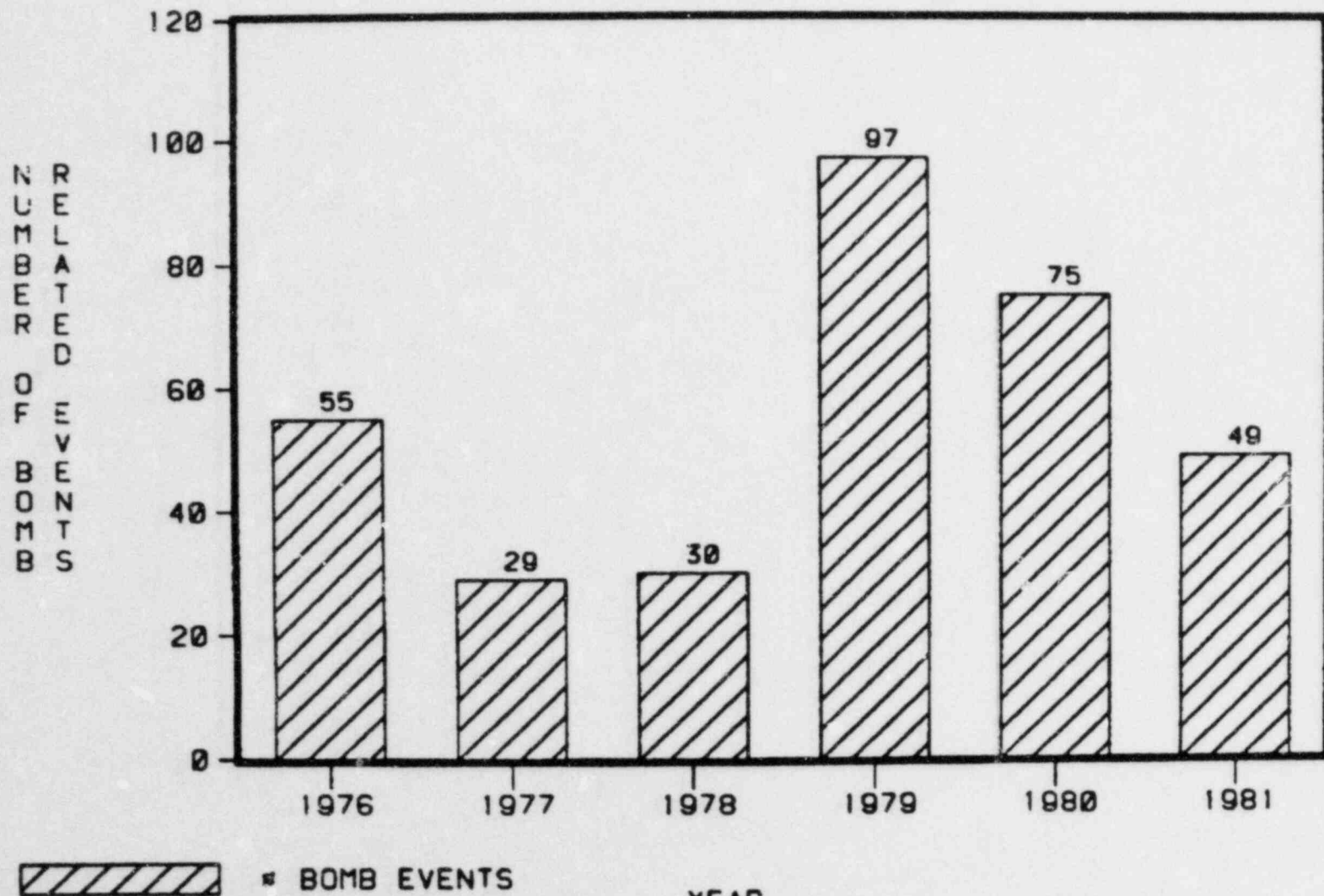


FIGURE 3

NUMBER OF REACTOR (316) AND NON-REACTOR (19) BOMB-RELATED EVENTS BY YEAR

1976-1981



(AN EXPLOSION OCCURRED IN ONLY 1 CASE OUT OF 335 EVENTS)

FIGURE 4

PERCENTAGE OF REACTOR EVENTS BY CATEGORY (450)
1976-1981

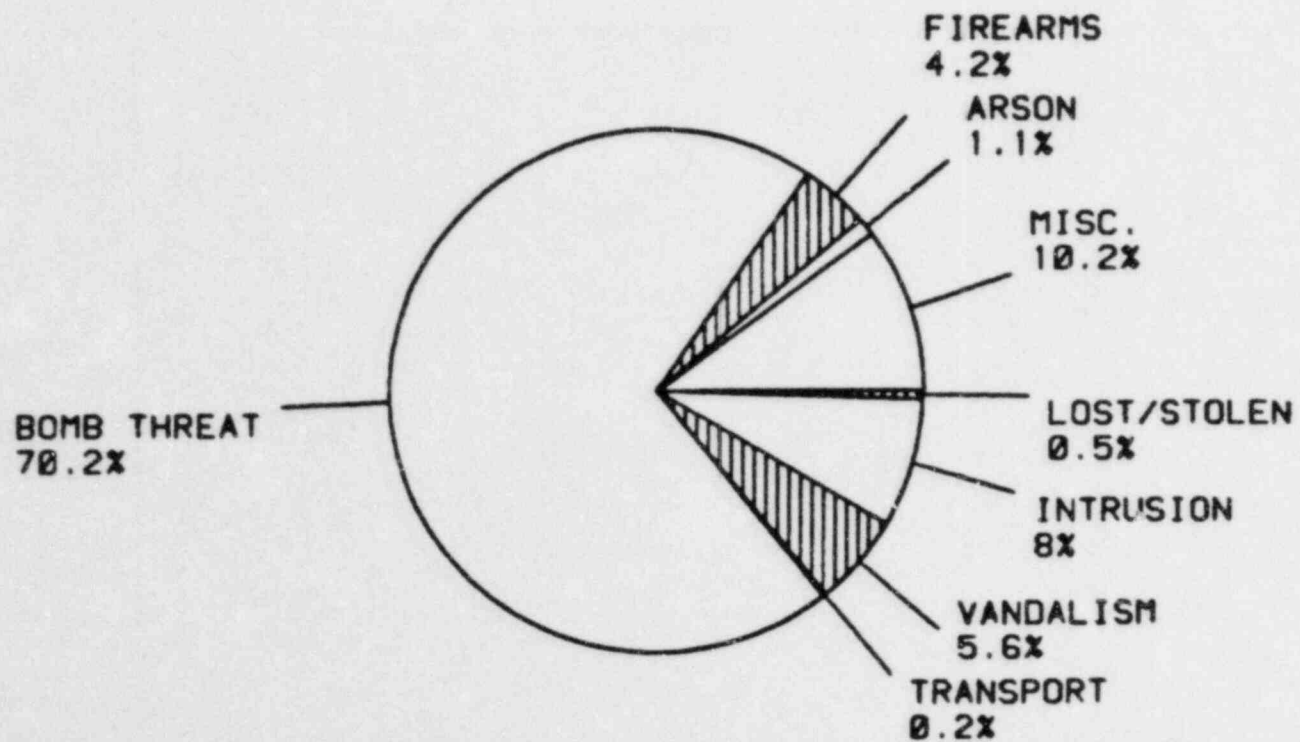


FIGURE 5

NUMBER OF REACTOR AND NON-REACTOR INTRUSION EVENTS BY YEAR (36)

1976-1981

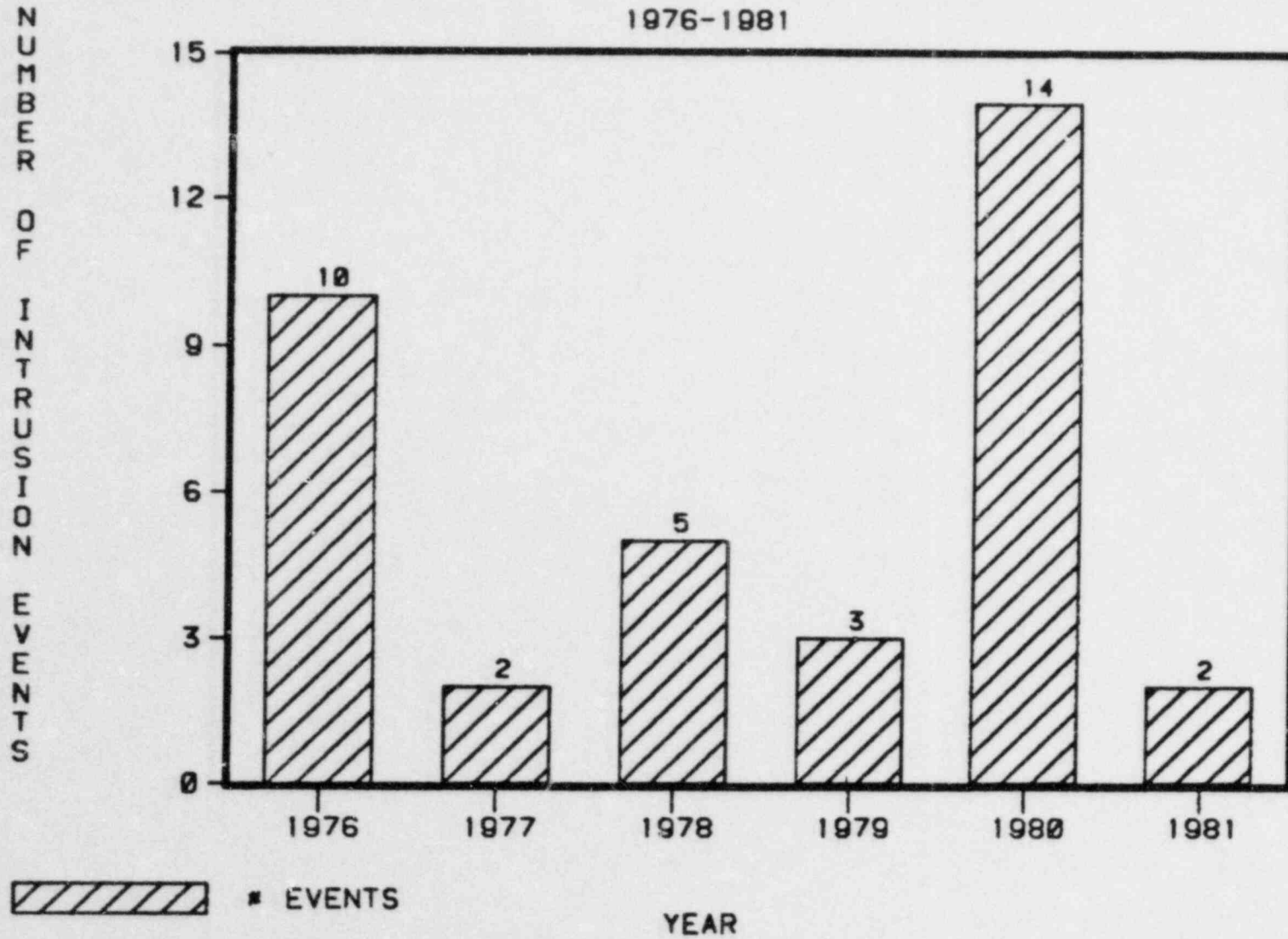


FIGURE 6

NUMBER OF REACTOR AND NON-REACTOR VANDALISM EVENTS BY YEAR (27)

1976-1981

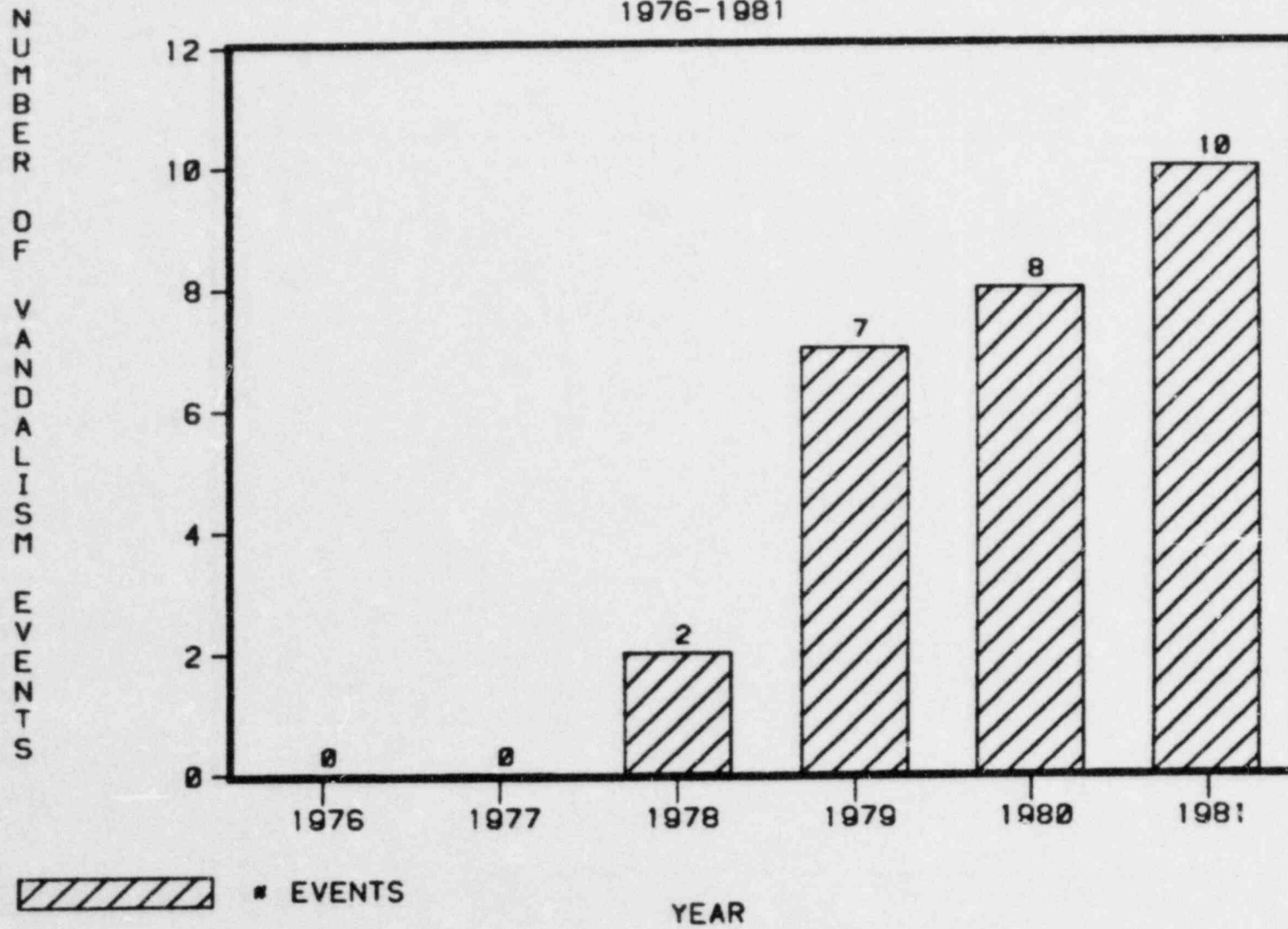
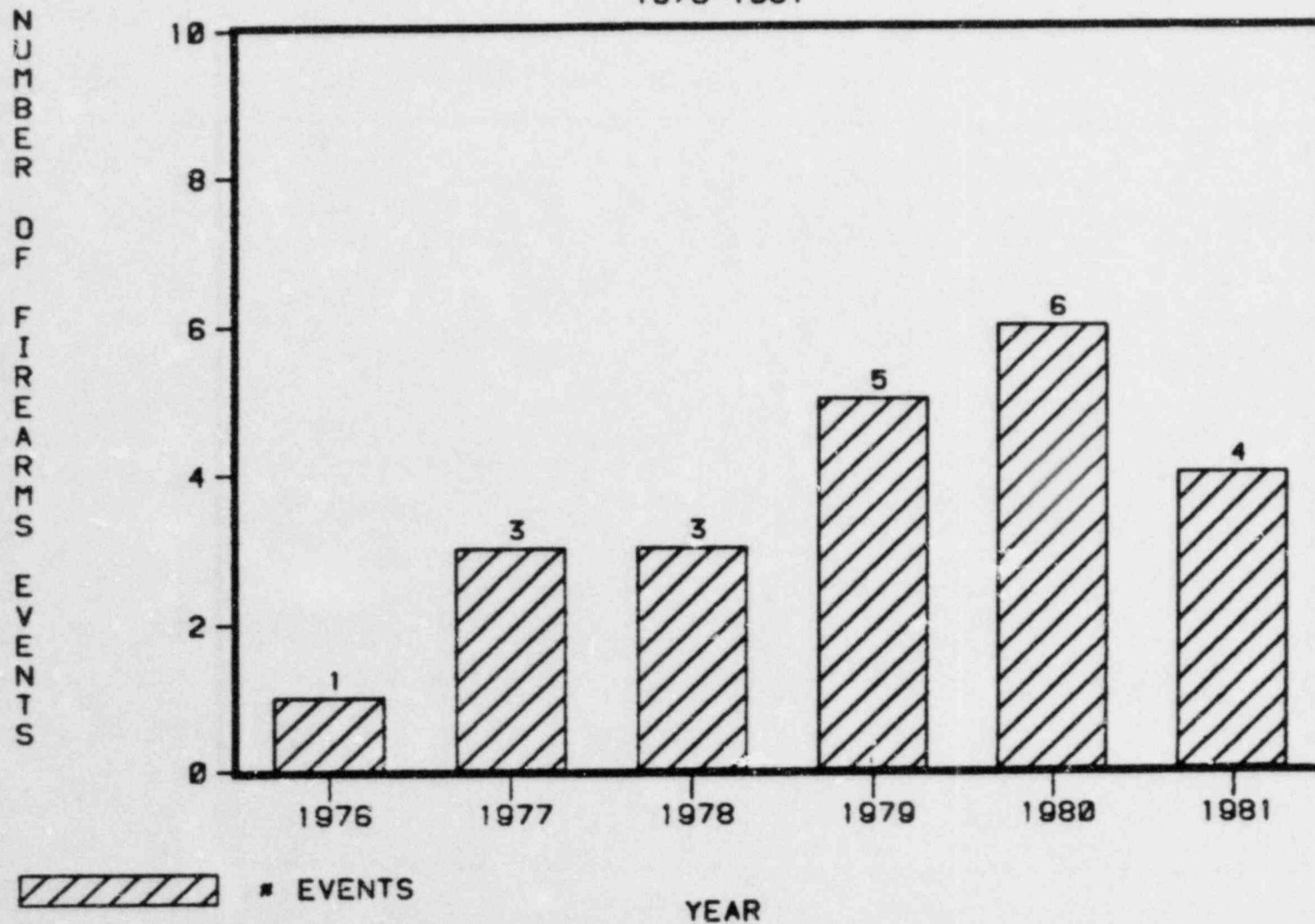


FIGURE 7

NUMBER OF REACTOR AND NON-REACTOR FIREARMS EVENTS BY YEAR (22)
1976-1981



YEAR
FIGURE 8

NUMBER OF REACTOR DRUG AND ALCOHOL-RELATED EVENTS BY YEAR (33)

1976-1981

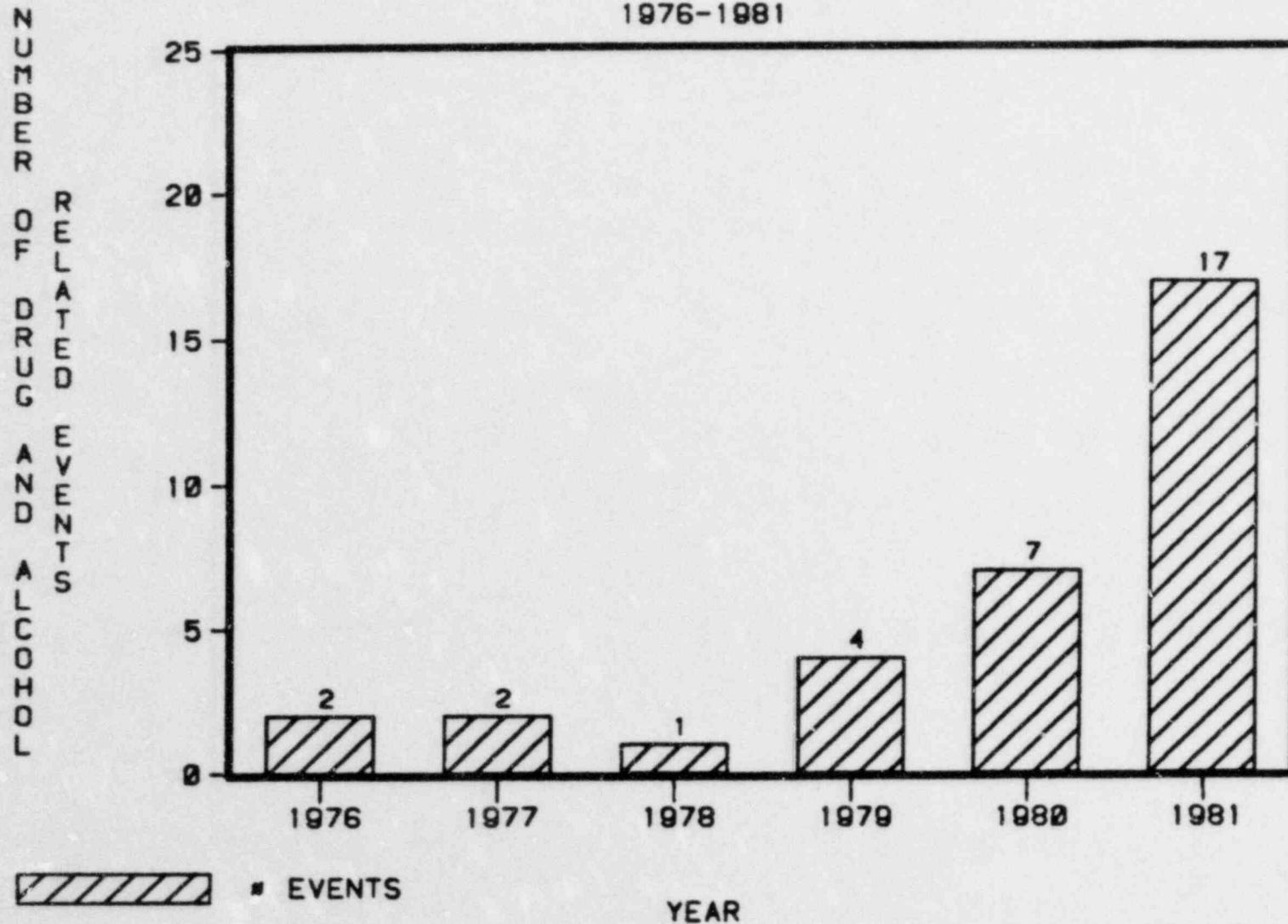


FIGURE 9

NRC FORM 335 (7-77)		U.S. NUCLEAR REGULATORY COMMISSION BIBLIOGRAPHIC DATA SHEET		1. REPORT NUMBER (Assigned by DDC) NUREG-0525, Rev. 5	
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