
Safeguards Summary Event List (SSEL)

Pre-NRC Through December 31, 1988

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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**International Safeguards Branch
Division of Safeguards and Transportation
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
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PAGE CHANGE INFORMATION SHEET: REVISION 15

The attached pages are the latest supplement (Revision 15) to NUREG-0525, Safeguards Summary Event List (SSEL).^{*} Revision 15 summarizes events occurring between January 1, 1988 and December 31, 1988. New pages are as follows:

| | Insert New Pages | Remove Superseded Pages |
|-------------------------|---|--|
| Bomb Threat | IB-119 through IB-127 | IB-119 |
| Missing/Stolen | III-13, III-14, III-27 through III-92 | III-13, III-14, III-27 through III-76 |
| Transportation/Related | IV-5, IV-6, IV-15 through IV-20 | IV-5, IV-6 IV-15 |
| Tampering/Vandalism | V-21 through V-28 | V-21 through V-25 |
| Arson | VI-3, VI-4 | VI-3, VI-4 |
| Firearms/Related | VII-13 through VII-42 | VII-13 through VII-28 |
| Alcohol/Drugs | IX-25, IX-26, IX-31 through IX-34, IX-61 through IX-158 | IX-25, IX-26 IX-31 through IX-34 IX-61 through IX-64 |
| Miscellaneous | X-13 through X-27 | X-13 through X-18 |
| Appendix A - Statistics | A-1 through A-14 | A-1 through A-14 |

^{*}The baseline Safeguards Summary Event List is Revision 4 (published September 1981) which includes all reported events up through June 30, 1981. Revision 5 (published July 1982), Revision 6 (published February 1983), Revision 7 (published August 1983), Revision 8 (published March 1984), Revision 9 (published June 1984), Revision 10 (published May 1985), Revision 11 (published January 1986), Revision 12 (published February 1987), and Revision 13 (published July 1987) include events occurring between July 1, 1981 through December 31, 1986. Revision 14 (published July 1988) replaced previous revisions and summarized events reported from 1957 through 1987.



ABSTRACT

The Safeguards Summary Event List (SSEL) provides brief summaries of several hundred safeguards-related events involving nuclear material or facilities regulated by the U.S. Nuclear Regulatory Commission (NRC). Because of public interest, also included are events reported involving byproduct material which is exempt from safeguards requirements. Events are described under the categories of bomb-related, intrusion, missing and/or allegedly stolen, transportation, tampering/vandalism, arson, firearms, radiological sabotage, nonradiological sabotage, alcohol and drugs, and miscellaneous. The information contained in the event descriptions is derived primarily from official NRC reporting channels.

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INTRODUCTION

The Safeguards Summary Event List (SSEL) provides brief summaries of several hundred safeguards-related events involving nuclear materials or facilities regulated by the U.S. Nuclear Regulatory Commission (NRC). Because of public interest, also included are events reported involving byproduct material which is exempt from safeguards requirements. As the list is intended to provide a broad perspective on the nature of safeguards incidents in the licensed nuclear industry, both unusual and routine events are described. Events have been placed in the several categories described below. Each listing is included in a single category unless it is transportation related, in which case it is cross-referenced in the transportation section.

The first category, Bomb-Related Events, is concerned with explosives or incendiary devices and related threats. This category has been divided into two sections. Section A contains those events in which a bomb or explosive material was located or an explosion occurred at a licensed facility. Section B contains a chronology of all other bomb-related (e.g., hoax bomb threat) events. Intrusion Events (the second category) includes incidents of attempted or actual penetration of a facility's barriers or safeguards systems. The Missing or Allegedly Stolen section (the third category) includes events in which licensed material was stolen, alleged to be stolen, discovered missing, or found. Category IV, Transportation-Related Events, typically includes incidents where licensed material was misrouted or involved in an accident. Material reported missing or stolen during transport, for example, would be included in Category III and cross-referenced in the transportation category. Tampering/Vandalism (the fifth category) includes destruction or attempted destruction of property, parts and equipment which do not directly cause a radioactive release. Category VI, Arson, includes intentional acts involving incendiary materials resulting in damage to property, equipment or other assets. The seventh category, Firearms-Related Events, typically describes the discharge, discovery, or loss of firearms at a licensed facility. Radiological Sabotage, Category VIIIA, includes any deliberate act directed against a licensed activity which could endanger the public health and safety by exposure to radiation. Nonradiological Sabotage, Category VIIIB, includes events characterized by the FBI as sabotage but which could not endanger the public health and safety by exposure to radiation. Alcohol and Drugs, Category IX, includes reasonable suspicion of illegal sale, use, possession, or introduction of a controlled substance and alcohol-related events. Finally, Miscellaneous Events, Category X, are those which hold some interest to safeguards but which do not fit into any of the previously described categories.

Each event listed in the body of the report is identified by an alphanumeric code composed of the appropriate category roman numeral, the last two digits of the year in which the event occurred, and a sequential number for that specific year and category. Each incident listing includes the appropriate date and location and a brief description of the event. Descriptions vary in detail according to the amount of data available through NRC reporting channels.



IB-87-33 11/20/87 Peach Bottom
Philadelphia Electric Company
York County, PA

Bomb threat. Hoax. At 12:50 p.m. and 2:50 p.m., two telephonic bomb threats, similar to those made on November 18 (See IB-87-32) were made to the plant. The licensee could not discern whether the threats originated from on-site, but believed the caller to be the same person in each case. The licensee conducted a search with negative results. Plant status: Shut-down. Fuel present at site.

IB-87-34 12/04/87 Shoreham
Long Island Lighting Company
Suffolk County, NY

Bomb threat. Hoax. At 9:20 a.m., the NRC resident clerical aide received a call from a male who requested the telephone number for the plant security department. The clerical aide gave the individual the telephone number for the plant switchboard and advised him that the switchboard would connect him with security. Within 1 or 2 minutes, the same individual called back and stated that nobody had answered the switchboard and "now the plant is going to blow up." The caller then hung up. The licensee was immediately notified and conducted a search with negative results. Plant status: Operational. Fuel present at site.

IB-87-35 12/11/87 River Bend
Gulf States Utility Company
West Feliciana Parish, LA

Bomb threat. Hoax. At 3:30 p.m., the licensee received a telephone call from a male who twice stated, "Boom." A search was conducted with negative results. Plant status: Shutdown. Fuel present at site.

IB-88-01 01/20/88 Peach Bottom
Philadelphia Electric Company
York County, PA

Bomb threat. Hoax. A former maintenance contractor employee allegedly made statements in a public place that he was going to burn and blow up Peach Bottom. The allegation was investigated, and the threat was deemed noncredible. The individual, a young man distraught because he had been thrown out of his home by his mother, was denied site access. Plant status: Shutdown. Fuel present at site.

IB-88-02 01/20/88 Wolf Creek
 Kansas Gas and Electric Company
 Coffey County, KS

Bomb threat. Hoax. At 10:25 a.m., a verbal bomb threat was received at the licensee's Wichita office. The threat was not considered credible. Plant status: Operational. Fuel present at site.

IB-88-03 02/09/88 River Bend
 Gulf States Utilities
 West Feliciana Parish, LA

Bomb threat. Hoax. At 7:05 a.m., the Baton Rouge Police Department notified the licensee's power grid dispatcher of a bomb threat against five businesses, including River Bend. A search was conducted with negative results. Plant status: Operational. Fuel present at site.

IB-88-04 02/11/88 Rancho Seco
 Sacramento Municipal Utility District
 Sacramento County, CA

Bomb threat. Hoax. At 4 p.m., the Sacramento County Sheriff's Department notified the licensee that a male telephoned three television stations (Channels 3, 10, and 13) and said he intended to blow up Rancho Seco later that evening. Surveillance of persons and vehicles entering the protected area was increased. This threat is identical to the September 23, 1987 event. (See Item IB-87-27 and Item IB-88-14.) Plant status: Shutdown. Fuel present at site.

IB-88-05 02/14/88 St. Lucie
 Florida Power and Light Company
 St. Lucie County, FL

Bomb threat. Hoax. At 10:35 p.m., the police dispatcher (911) notified the Unit 1 control room that an anonymous caller stated a bomb had been placed in the Unit 1 control room. A search, utilizing a bomb dog, was conducted with negative results. The call was traced to a local restaurant in Ft. Pierce, but no suspect was identified. Plant status: Operational. Fuel present at site.

IB-88-06 02/18/88 South Texas
 Houston Lighting and Power Company
 Matagorda County, TX

Bomb threat. Hoax. At 5:25 p.m., the NRC regional office received a call from an individual who threatened to damage the South Texas plant with explosive devices. The licensee and the FBI were notified. The threat was not deemed credible. Plant status: Operational. Fuel present at site.

IB-88-07 02/29/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

Bomb threat. Hoax. At 8:32 p.m., two Sacramento, California, radio stations received a telephonic message which said: "I'm going to blow Rancho Seco at 1400 hours tomorrow for what you did to my friend." The radio stations notified the Sacramento County Sheriff's Office who, in turn, notified the plant. A search was conducted, and three suspicious packages were found: one in the west switchgear room within the vital nuclear services electrical building and two in temporary office trailers within the protected area. The bomb disposal squad was called, examined the item found in the switchgear room, and declared it innocuous. The licensee determined the two remaining items were not of concern. Plant status: Shutdown. Fuel present at site.

IB-88-08 03/07/88 Crystal River
Florida Power Corporation
Citrus County, FL

Bomb threat. Hoax. The Citrus County Sheriff's Department notified the licensee of a bomb threat received on the Hillsborough County 911 line at 12:59 p.m. The licensee increased security measures while evaluating the threat. It was deemed not credible. The perpetrator, known to have a mental illness, was apprehended by the Hillsborough County Sheriff at 1:12 p.m. Plant status: Operational. Fuel present at site.

IB-88-09 03/13/88 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

Bomb threat. Hoax. At 4 p.m., the FBI office in Memphis, Tennessee, received a call from a female who said, "My name is Sharon. I'm going to blow up Browns Ferry in Tennessee." The FBI notified Browns Ferry who, in turn, notified Sequoyah. The threat was not considered credible. Browns Ferry increased security, but did not conduct a search. Sequoyah conducted a search with negative results. Plant status: Shutdown. Fuel present at site.

IB-88-10 03/16/88 Davis-Besse
Toledo Edison Company
Ottawa County, OH

Bomb threat. Hoax. After an anonymous caller's request for an unlisted telephone number was refused, he said, "I'll blow Davis-Besse. I'm telling you, Port Clinton and Sandusky area will go. This is not just a threat." The licensee was notified, and contingency plans were implemented. The threat was not deemed credible. Plant Status: Shutdown. Fuel present at site.

IB-88-11 03/16/88 South Texas
Houston Power and Lighting Company
Matagorda County, TX

Bomb threat. Hoax. At 11:47 p.m., a telephonic threat was received at the electric tower by a customer service employee. The caller said: "This is a mercenary. The next target to be hit will be the nuclear plant in Bay City in two hours. Please turn the lights back on." A search was conducted with negative results. An investigation by the licensee and the FBI determined the threat was not credible. Plant status: Operational. Fuel present at site.

IB-88-12 03/18/88- Fermi
11/02/88 Detroit Edison Company
Monroe County, MI

Bomb threat. Hoax. On March 18, 1988, an on-duty site employee received a telephonic bomb threat. The Michigan State Police Bomb Disposal Unit responded to the plant. A search by the security force, operations personnel, and the police was conducted with negative results. On November 2, 1988, a contractor employee (plant cleaner), laid off in March and subsequently rehired, was stopped for a traffic violation, and suspected stolen licensee property was found in his vehicle. During interviews with the employee, the individual admitted he made the March 18 bomb threat because he felt he was being harassed by co-workers. The FBI was notified. A decision to prosecute has not been made. Plant status: Shutdown. Fuel present at site.

IB-88-13 03/30/88 Turkey Point
Florida Power and Light Company
Dade County, FL

Bomb threat. Hoax. During entry processing, an individual made a statement that the person in front of her "may have a bomb." The accused individual was searched with negative results. The individual who made the statement was denied access. Her badge was deactivated. Plant status: Operational. Fuel present at site.

IB-88-14 03/31/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

Bomb threat. Hoax. At 5:45 p.m., an answering service for TV Channel 10, Stockton, California, received a call from a male who whispered that a bomb had been placed at Rancho Seco and would blow up at midnight. At 6:15 p.m., Channel 10 notified the licensee's security department who notified the Sacramento County Sheriff's office. A search was conducted of common-user areas inside the protected area and selected vital areas with negative results. This threat was similar to ones received on

September 23, 1987 and February 11, 1988 (See Category IB, Item IB-87-27 and IB-88-04). Plant status: Shutdown. Fuel present at site.

IB-88-15 04/03/88 McGuire
Duke Power Company
Mecklenburg County, NC

Bomb threat. Hoax. Personnel were placed on security alert because of an unsubstantiated bomb threat. Plant status: Operational. Fuel present at site.

IB-88-16 04/08/88 Vogtle
Georgia Power Company
Burke County, GA

Bomb threat. Hoax. Personnel were placed on security alert because of an unsubstantiated bomb threat. A comprehensive search of the reactor, turbine, and vital areas was conducted with negative results. Plant status: Shutdown. Fuel present at site.

IB-88-17 04/19/88 Vogtle
Georgia Power Company
Burke County, GA

Bomb threat. Hoax. At 7:15 p.m., the plant manager received a call at his home from an individual who identified himself as Alan Warren and stated that he belonged to a nuclear protest group which was going to attack Vogtle with automatic weapons at 10:30 p.m. He claimed they would use Highway 56. At 1:22 a.m., the plant manager received a second (collect) call at his home from the same individual who said, "We are now going to blow up the plant today." The FBI was notified, and the licensee increased security. Plant status: Operational. Fuel present at site.

IB-88-18 05/16/88 Millstone
Northeast Nuclear Energy
New London County, CT

Bomb threat. Hoax. An unsubstantiated bomb threat was received. Plant status: Units 1 and 3, Operational; Unit 2 Shutdown. Fuel present at site.

IB-88-19 06/16/88 General Atomics
10955 John Jay Hopkins Drive
San Diego County, CA

Bomb threat. Hoax. At 12:10 p.m., a call was received from an unidentified male stating that he wanted to blow General Atomics sky high. He laughingly said that he was David Letterman and to watch - that General Atomics would be on the show and hung up. The security force was placed on 24-hour alert.

IB-88-20 06/16/88 Yankee-Rowe
Yankee Atomic Company
Franklin County, MA

Bomb threat. Hoax. At 8:41 p.m., the State Police notified the plant's shift supervisor that an anonymous telephone caller said two individuals were observed 15 miles from the plant loading boxes marked "Explosives" into a vehicle, and the plant name had been overheard. The caller provided license plate numbers of the vehicles involved which were traced to plant employees: a permanent plant employee and a contractor with a long work history at the plant. Plant access for the two individuals was terminated. A licensee investigation determined the event was a hoax. Plant access for the accused individuals was restored. Plant status: Operational. Fuel present at site.

IB-88-21 07/05/88 Seabrook
Public Service of New Hampshire
Rockingham County, MA

Bomb threat. Hoax. At 9:40 a.m., an unsubstantiated, nonspecific threat of a possible explosion at the station was received. A search was conducted with negative results. Plant status: Preoperational. Fuel present at site.

IB-88-22 07/07/88 Vogtle
Georgia Power Company
Burke County, GA

Bomb threat. Hoax. At 7:30 a.m., the licensee was informed of a bomb threat in the owner-controlled area. A search was conducted with negative results. Plant status: Operational. Fuel present at site.

IB-88-23 07/08/88 Kewaunee
Wisconsin Public Corporation
Kewaunee County, WI

Point Beach
Wisconsin Public Corporation
Manitowoc County, WI

Bomb threat. Hoax. At 1:31 a.m., an American Telephone and Telegraph Company operator received a threat that "one of the plants was going to blow up." She reported the threat to the Manitowoc Sheriff's Department who, in turn, notified the Point Beach plant. Point Beach then notified Kewaunee. Both facilities implemented heightened security measures. The threat call was traced, and an intoxicated individual was arrested. He was brought to Court, but the charges were dismissed because a witness failed to appear. Plant status: Both Operational. Fuel present at each site.

IB-88-24 08/06/88 Indian Point
Consolidated Edison Company
Westchester County, NY

Bomb threat. Hoax. At 10 p.m., plant security received a telephone call from local law enforcement personnel who reported they had received a bomb threat call from an intoxicated person. The threat was not considered credible. Plant status: Operational. Fuel present at site.

IB-88-25 09/07/88 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

Bomb threat. Hoax. At 3:10 p.m., plant security was notified by a plant supervisor that two employees in the office and power stores building, outside the protected area, had received bomb threat calls from an anonymous person who did not specify the location or type of bomb. The office and power stores areas were evacuated, and a search was conducted with negative results. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IB-88-26 09/08/88 Babcock & Wilcox Company
Naval Nuclear Fuel Division
Lynchburg, VA

Bomb threat. Hoax. At 10:58 p.m., a bomb threat call was received and determined not to be a threat to the facility.

IB-88-27 09/08/88 Ginna
Rochester Gas and Electric Corporation
Wayne County, NY

Bomb threat. Hoax. At 10:02 p.m., the Wayne County Sheriff's Department notified the licensee that a caller had threatened to "blow up Ginna." The licensee increased perimeter patrols, closed access to the site, and conducted a search of the site with negative results. A suspect, accused of making four calls including one to Ginna, was taken into custody by the local police and subsequently placed in a mental institution. Plant status: Operational. Fuel present at site.

IB-88-28 09/20/88 River Bend
Gulf States Utilities
West Feliciana Parish, LA

Bomb threat. Hoax. At 7:03 a.m., an employee outside of the protected area received a telephone call from an unidentified female who stated, "Tell your boss I have bombs planted in the main administration, one, two, and three." A search was conducted with negative results. Plant status: Operational. Fuel present at site. (See next item.)

IB-88-29 09/21/88 River Bend
 Gulf States Utilities
 West Feliciana Parish, LA

Bomb threat. Hoax. At 7:10 a.m., an employee outside the protected area received a call from an unidentified female who said: "Me and my husband both got laid off. Yesterday was just a warning. This time it's for real. The bomb will go off at 9:15. It is in a tiny box. It is in one of the blue buildings." A search was conducted with negative results. Plant status: Operational. Fuel present at site. (See Item IB-88-31.)

IB-88-30 09/22/88 Vogtle
 Georgia Power Company
 Burke County, GA

Bomb threat. Hoax. At 1:47 p.m., the licensee received a bomb threat in the owner-controlled area. The area was evacuated, and a search conducted with negative results. Plant status: Operational. Fuel present at site.

IB-88-31 09/23/88 River Bend
 Gulf States Utilities
 West Feliciana Parish, LA

Bomb threat. Hoax. At 7:12 a.m., an employee outside the protected area received a telephone call from an unidentified female who stated, "Yes, a bomb is going off today between 7 and 2:15. I am going to kill 100 people." A search was conducted with negative results. Plant status: Operational. Fuel present at site. (See next item.)

IB-88-32 09/27/88 River Bend
 Gulf States Utilities
 West Feliciana Parish, LA

Bomb threat. Hoax. At 7:30 a.m., an employee at the training center outside of the protected area discovered unsubstantiated bomb threats on two cathode ray tube screens. Screen #1 read, "Bomb you up at 1030. HA HA." Screen #2, "You to" (to is as spelled on the screen). A search was conducted with negative results. Plant status: Operational. Fuel present at site.

IB-88-33 10/05/88 Indian Point
 Consolidated Edison Company
 Westchester County, NY

Bomb threat. Hoax. At 6:02 p.m., the company office in New York City received a telephonic bomb threat to "blow up a Con Edison building." A search was conducted with negative results. (See Item IB-88-36.) Plant status: Operational. Fuel present at site.

IB-88-34 10/12/88 South Texas
Houston Lighting and Power Company
Matagorda County, TX

Bomb threat. Hoax. At 3:10 p.m., a maintenance person found a note in the men's room which stated, "I have placed a bomb in Unit 1 - will go off 10-13-88." Subsequently, the records management branch received an anonymous call from a male on-site who said, "You bitches don't have to worry much longer about your jobs because there is a bomb on-site." Local law enforcement officials and the FBI were notified. A search was conducted with negative results. Plant status: Operational. Fuel present at site.

IB-88-35 11/10/88 Waterford
Louisiana Power and Light Company
St. Charles Parish, LA

Bomb threat. Hoax. The local FBI notified the licensee of a bomb threat from a caller who said, "The LP&L site in Taft will blow up on Thanksgiving." Waterford Unit 3 is one of two LP&L sites in Taft. A search was conducted with negative results. Plant status: Shutdown. Fuel present at site.

IB-88-36 11/20/88 Indian Point
Consolidated Edison Company
Westchester County, NY

Bomb threat. Hoax. The company office in New York City received a telephonic bomb threat to "blow up a Con Edison building." A search was conducted with negative results. (See IB-88-33.) Plant status: Operational. Fuel present at site.

IB-88-37 12/18/88 FitzPatrick
New York Power Authority
Oswego County, NY

Bomb threat. Hoax. At 12:05 a.m., a telephonic bomb threat was received in the control room. A search was conducted with negative results. Plant status: Operational. Fuel present at site.



Corporation. Apparent loss or nonreceipt of the capsule was not discovered until April 11, 1972. An investigation conducted by AEC and AI revealed the capsule had never been returned to AI. The material was accounted for. (Also included in Category IV as Item IV-72-01.)

III-73-01 08/73 Hospital Arcadia
CA

Twenty-one capsules of I-131 were stolen from a hospital in Arcadia, California.

III-73-02 11/19/73 Walter Reed Hospital
Washington, DC

Two fission chambers (total 0.69 grams of U-235) were reported missing. They were inadvertently disposed of as waste.

III-74-01 04/23/74 Babcock & Wilcox
Lynchburg, VA

One of ten mounts containing uranium was discovered missing. An investigation indicated that the mount was disposed of as waste.

III-74-02 05/09/75 Kerr-McGee Corporation
Cimarron, OK

There was an allegation of possible theft in 1970 of a small quantity of SNM in the form of pellets. An investigation was conducted. There was no evidence that a theft had occurred.

III-74-03 06/74 Deerfield Beach
FL

In June of 1974, a device containing strontium-90, used to measure the density of roadbeds, was stolen from a storage shed near Deerfield Beach, Florida. The device was later recovered on a freeway overpass. An examination indicated that it had been tampered with.

III-74-04 08/74 Scenic General Hospital
CA

Nine radioactive radium needles (no license required) were stolen from Scenic General Hospital in August 1974. The theft was not discovered until November, when hospital employees planned to turn the needles over to Federal authorities for disposal. A night porter at the hospital, who was found to possess 7 of the 9 needles, apparently was the thief. His uncle had one of the needles. A ninth needle was still missing. The police had not learned the motive for the theft, which had been elaborately planned.

III-74-05 08/12/74 Tuskegee Institute
 Tuskegee, AL

As a result of a natural uranium physical inventory, the Institute reported that it could account for only 2,429 uranium slugs, out of a total inventory of 2,440. The missing slugs could not be located.

III-74-06 08/19/74 Fairleigh Dickinson College
 Teaneck, NJ

After a physical inventory, two natural uranium slugs were reported missing. The slugs could not be located.

III-74-07 08/30/74 Grand Junction, CO, to
 National Lead Company, OH

There was a reported loss of two samples of uranium concentrate from a rail shipment between Grand Junction and National Lead. The rail car had arrived with a replacement seal. From an inspection, it appeared that at least one sample jar was missing. One of the two boxes of samples in the shipment had been opened, packing paper had been removed, and there was an indentation indicating that a jar had been moved. The car left Grand Junction August 6, arrived at National Lead August 16, and unloading began August 30. On August 30, 1974, it was determined that two sample jars were missing and that a second car had a replacement seal, but no missing material. Total loss involved .47 pounds of uranium. (Also included in Category IV as Item IV-74-01.)

III-74-08 12/12/74 E. I. DuPont de Nemours and Company
 Gibbstown, NJ

Two cesium-137 gauges slated for disposal were stolen before December 12, 1974, from a locked room at the E. I. DuPont de Nemours and Company plant. They were found in damaged condition, after an anonymous informant's telephone call. Their discovery came several days after they were missed.

III-75-01 03/21/75 National Nuclear Corporation to AECL, Canada

On January 27, 1975, National Nuclear Corporation shipped a Pu-238 source to Atomic Energy of Canada, Limited (AECL), Chalk River, Canada, via Railway Express Agency (REA). AECL reported that they did not receive it. The source was in a DOT 6M shipping container. The shipment consisted of five items, of which AECL received four. Both REA and National Nuclear personnel traced the shipment and determined that the source had been shipped from the Oakland terminal, REA, on March 20, 1975, instead of being shipped January 27, 1975, with other items of consignment. REA confirmed that the source was en route and estimated to arrive at AECL about April 3, 1975, and that REA personnel would report source arrival at transfer points and destination. (Also included in Category IV as Item IV-75-01.)

III-79-08 03/29/79 Pittsburgh Testing Laboratory
New Orleans, LA

A pickup truck belonging to the laboratory was stolen between 6 a.m. and 7 a.m. from an employee who had picked up a moisture/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 "Caution, Radioactive Materials."

III-79-09 06/20/79 Isotope Measurements Laboratory, Incorporated
Northbrook Joliet, IL

An undamaged package containing 500 microcuries of technetium was found at the exit ramp at the intersection of Interstate-55 and Route 52, near Joliet, Illinois. It was reported and retrieved by the Illinois State Police. Surveys by a state trooper, who performed transportation radiation surveys under NRC/DOT contract, showed no contamination or leakage. Investigation revealed that the package was lost while en route to a hospital in Morris, Illinois. The laboratory employee involved determined the package was lost, retraced his path, but did not locate it. He did not report the loss. (Also included in Category IV as Item IV-79-02).

III-79-10 07/09/79 Mallinckrodt, Incorporated
St. Louis, MO

A radioactive shipment, one of four boxes shipped on a commercial air carrier, did not reach its Charlotte, North Carolina, destination, as scheduled. The box contained sources with a total of 63 millicuries of iodine-131, 100 millicuries of molybdenum-99, and somewhat less than 2 millicuries of iodine-125. (Also included in Category IV as Item IV-79-03.)

III-79-11 07/25/79 Mallinckrodt, Incorporated
St. Louis, MO

A radioactive shipment (one of a total of seven boxes) containing a 500-millicurie molybdenum-99 generator was not received, as scheduled, by a hospital in Waterville, Maine. Reportedly, the shipping licensee transferred the seven boxes to a commercial air carrier, to be shipped to an intermediate consignee. The consignee received a shipment, signed for seven boxes, but claimed to have received only six. The six boxes were subsequently shipped to their destination. (Also included in Category IV as Item IV-79-06.)

III-79-12 08/--/79 Nuclear Fuel Services, Incorporated
Erwin, TN

As a result of the August 1979 physical inventory difference in excess of the upper limit specified in its unique/special license condition, NRC ordered the facility shutdown and an immediate reinventory. While the reinventory partially explained the inventory difference,

the discrepancy was not reduced to a level normally expected as a result of the uncertainty associated with the measurement of nuclear materials. The NRC investigation, which included FBI and Department of Energy participation, did not discover any information to indicate that a theft of material had occurred. However, the investigation did not rule out this possibility. On January 21, 1980, the plant was allowed to resume production operation after additional material control and accounting and physical security measures had been implemented.

III-79-13 08/09/79 Medical Delivery Services, Incorporated
New York, NY

Sometime between 3 a.m. and 5 a.m., four packages (two of which contained radiopharmaceuticals) were stolen from a delivery truck in New York City. The loss involved ten 100-microcurie iodine-131 capsules and 100 microcuries of iron-59, which were scheduled to be delivered to several New York City Hospitals.

III-79-14 08/09/79 Medical Delivery Services, Incorporated
New York, NY

An americium-241 static eliminator bar was found to be missing from its mounting. In its place, a polonium-210 static eliminator bar had been installed. The missing bar was 32 effective inches long and contained less than one (1) millicurie per effective inch. It is believed that the americium-241 bar was disposed of in a local trash dumpster and subsequently moved to a landfill area.

III-79-15 08/30/79 M.V.P., Incorporated
Cape Girardeau, MO

In conjunction with a financial dispute, a recently-dismissed employee refused to return to the licensee six moisture/density gauges, each containing 50 millicuries of americium-241. Retention of the gauges did not legally constitute a theft, so the local police referred the licensee to the NRC. Since an individual without an NRC license possessed licensed material, NRC personnel took steps to recover the gauges.

III-79-16 10/20/79 Ft. Lauderdale Airport
Ft. Lauderdale, FL

At 3 a.m., three boxes of pharmaceuticals (two of which contained radioactive material) were stolen from an airport freight dock. The material included some 14 vials of iodine-131. The boxes and all radioactive material were later found along the side of a road one mile from the airport.

III-79-17 11/9-10/79 Northwestern University
Evanston, IL

During a demonstration open house at the nuclear engineering facility of the Technical Institute, a 0.7 microcurie cesium-137 standard reference plastic sealed source was stolen.

III-79-18 11/11/79 St. Margaret's Hospital
Spring Valley, IL

Seven partially decayed molybdenum-99/technetium-99 (very unstable) generators were found missing from a storage room at the hospital. Investigation revealed that they had been removed by a courier when he delivered a new generator.

III-79-19 11/29/79 Eastern Testing and Inspection, Incorporated
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-79-11).

III-79-20 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 December 8 and 10, 1979; however, subsequent investigation revealed that the loss occurred sometime between December 1 and 3, 1979. After surveys by Federal and State officials using 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 1976.

III-79-21 12/13/79 HITCO
Offshore Drilling Platform
LA

The Louisiana State Government reported that a radiography device containing 48 curies of iridium-192 was lost overboard from a drilling platform 75 miles offshore, in water 180 feet deep. The device was subsequently recovered by a team of divers on December 28, 1979.

III-79-22 12/31/79 Derby Refinery Company
KS

An Ohmart Model Lab -234-(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, Texas.

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

At 10 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 Company
 Midland, MI

A gauge containing a four millicurie cesium-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. An 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, with no evidence of tampering. The package 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, Incorporated, to the university was found missing. The shipment was apparently delivered, but a search did not find it. (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 microcuries of iodine-125, had been ordered and apparently delivered to the hospital's warehouse. Only one kit was delivered to the hospital's laboratory. Possibly the second kit either remained in the warehouse or fell off the delivery cart and was discarded. A search was conducted with negative results.

III-80-07 03/13/80 Chicago
 Area, IL

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

Subsequently, the individual made two more calls. He said his friend had measured the device with a Geiger counter and had gotten a measurement of 60 millirems/hr. He said that his friend worked around medical equipment and had stolen the radium. The caller was going to drop the matter because his friend had agreed to take the material back. The caller said he lived in the Chicago area, but did not reveal name or address. On the same day, an individual phoned the Radiation Safety Office (RSO) at the Indiana University Medical Center in Indianapolis, and asked the RSO to describe a radium needle and the likely radiation levels around such a needle. He then said he was handed a case of radium needles in a gas station in southern Indianapolis. He said he had called the NRC and was going to leave the case in a gas station in Indianapolis. This event was suspected to be a hoax.

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 found in the restricted area of the radioisotope storage room.

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

An individual contacted NRC and said he had picked up a "gamma sample changer" from a trash compacter and was concerned that it might be contaminated with radioactive material. On March 19, 1980, the individual's home was surveyed. While no loose radioactive material was found, an unlabeled 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 8:30 a.m., a representative of Troxler Electronic Laboratories discovered that his car had been broken into and a Model 3205 Troxler moisture/density gauge containing 40 millicuries of americium-241 was stolen.

III-80-12 03/31/80 Information Technology Incorporated
 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-80-13 04/80 Brunswick
Carolina Power & Light Company
Brunswick County, NC

An NRC inspector, performing an independent radiation survey of the county landfill, identified a bucket of radioactive trash buried two feet deep. The material appeared to have originated at the licensee's facility. The material was returned to the site, and all shipments off-site were stopped, pending reevaluation of management controls and NRC approval. Subsequently, three additional areas in the same landfill and two off-site scrap dealers were surveyed, and additional contaminated waste was identified.

III-80-14 04/6-7/80 Utah and Wyoming
UT and WY

A radiographer reported that a 45-curie iridium-192 source was found missing from his truck at 9 a.m. in Evanston, Wyoming. An exposure device containing the source had previously been secured by padlock in a steel box in the truck darkroom at 8 p.m., on April 6, 1980, in Salt Lake City, Utah. No evidence of forced entry existed, although the padlock and source were missing.

III-80-15 04/14/80 New England Deaconess Hospital
Boston, MA

When implanting plastic ribbons containing iridium-192 seeds into a patient, one ribbon, previously known to have been in the storage container, was missing. The ribbon contained 12 seeds, totalling 8.8 millicuries.

III-80-16 04/16/80 Minneapolis-St. Paul, MN

A package from Mallinckrodt, Incorporated, St. Louis, Missouri, was lost. The delivery truck had been driven 2 to 3 miles, when the driver noticed the rear door of the van ajar. He inventoried everything and found the Mallinckrodt package missing. The package contained 250 microcuries of chromium-51. (Also included in Category IV as Item IV-80-02).

III-80-17 04/25/80 O'Sullivan Company
Lebanon, PA

A gauge containing radioactive material inside a steel drum was found on company property. There were no labels indicating the manufacturer, material type, or owner of the gauge.

III-80-18 05/09/80 Methodist Medical Center of Illinois
Peoria, IL

Five 0.5-0.6-millicurie iridium-192 implant seeds were reported missing. The seeds were part of a set of 70 seeds removed from a patient on May 8, 1980. An extensive survey and search were conducted with negative results.

III-80-19 05/16/80 Kay-Ray Incorporated
Arlington Heights, IL

A 10-millicurie cesium-137 source in a gauge source head was reported stolen. The licensee put 24 freshly painted gauge source heads on pallets outside the door of the factory building to dry. When they were finished drying, one was missing. Access to the area was unrestricted.

III-80-20 05/17/80 Crystal River
Florida Power Corporation
Citrus County, FL

Out of ten bags of trash believed to be clean noncontaminated waste, one contained radioactive material (4 millirem per hour). The bag was incorrectly disposed of at the licensee's on-site clean waste dump and subsequently retrieved.

III-80-21 07/01/80 Hamilton, OH

An individual found a container with radioactive markings on the side of a road south of Hamilton, Ohio. Labels on the container stated "25 lbs. Depleted Uranium - 100 Curies Iridium-192, Serial #1996 - February 1980 - Nuclear Systems, Inc. - Industrial Nuclear Co." He took it home. A radiological assistance team was sent to his home to get the container. It had a radiographic camera, in good condition, in it. Chance of significant exposure was unlikely. At 3 a.m., on July 2, 1980, the NRC was subsequently notified that a radiographic device with an iridium-192 source and serial #1996 was reported lost.

III-80-22 07/09/80 Paterson, NJ

A physician reported that a package containing 4.4 millicuries of iodine-131 had been stolen from his unlocked automobile, parked in his garage. The package was taken sometime between 7:30 p.m., on July 9, 1980, and 9 a.m., on July 10, 1980. The physician stated that he was transporting the package between office locations.

III-80-23 07/10/80 Pfizer, Incorporated
East St. Louis, IL

A level gauge containing a cesium-137 source with about 8 millicuries was discovered missing during a routine plant inventory. The gauge, inoperable for two years, with the shutter left closed, was last seen in its proper place in February 1980. It was unknown if it was stolen, misplaced, or accidentally discarded.

III-80-24 07/11/80 Quad Cities 1
Commonwealth Edison Company
Whiteside County, IL

At 10:05 p.m., after an inventory of fission counters, the inspector on-site was notified of the apparent loss of a fission

counter containing approximately 1.9 grams of U-235. Searches were conducted with negative results. The licensee thought that the lost fission counter may have been inadvertently disposed of as trash.

III-80-25 07/16/80 Pharmatopes, Incorporated
Chicago, IL

A briefcase containing byproduct material delivered to a hospital between 6 and 6:30 a.m. was inadvertently taken from the premises between the time of delivery and 7:55 a.m. It was suspected that the missing briefcase was mistakenly exchanged for a similar one by another nuclear pharmacy firm. The hospital had recently changed nuclear pharmacy suppliers. (See next entry.)

III-80-26 07/29/80 Pharmatopes, Incorporated
Oak Park, MI

A 100-millicurie dose of technetium-99 (highly unstable) in a lead container was lost in the parking lot of the Detroit Central Hospital. A delivery driver had attempted to deliver the source, but found the Nuclear Medicine Department closed. The driver returned to the car, accidentally dropped the car keys to the ground, and placed the container with the dose on the bumper of the car. The driver then picked up the keys and drove away, forgetting about the container on the bumper. The loss was not reported by the driver for several hours because of fear of the consequences. (Also included in Category IV as Item IV-80-04.)

III-80-27 08/15/80 Pori, Incorporated
Cleveland, OH

While conducting an inventory in March 1980, an 89-millicurie cesium-137 sealed source gauge was discovered missing. The licensee stated that a timely report was not made because personnel did not know of the requirement. A search of the plant was conducted with negative results.

III-80-28 08/31/80 De Paul Hospital
Cheyenne, WY

An 880-millicurie technetium-99 (highly unstable) generator was delivered to the licensee and left in the corridor near the Nuclear Medicine Department. The generator was inadvertently discarded in the hospital's trash by the janitor. A search through the municipal dump was conducted with negative results.

III-80-29 09/04/80 Caspersen, Incorporated
Glencoe, IL

A spent molybdenum-99/technetium-99 (highly unstable) generator was stolen while it was stored in a garage on the northwest side of Chicago.

III-80-30 09/19/80 Hamwood, NJ

As a result of a complaint, licensed radioactive material consisting of eleven molybdenum-99/technetium-99 (highly unstable) generators was found on the driveway of a private residence. Lead shielding had been removed from seven of the generators. The occupant of the residence had a contract to transport generators. He stated that he had used his private vehicle for that purpose. NRC subsequently took possession of the generators.

III-80-31 09/20/80 Automation Industries
Phoenixville, PA

The driver of a truck shipping source material was stopped by a motorist on State Highway 17 and informed that his rear door was open. The driver secured the door and continued to Albany, New York, where he discovered that two sources were missing. At 1:53 a.m., an Automation Industries source changer containing 50 curies of iridium-192 was found on State Highway 17 in New Jersey. At 6:15 p.m., the second source changer was recovered. The material had originated at Automation Industries, Phoenixville, Pennsylvania, and had been shipped to Smith Transport in New Jersey, en route to Toronto. (Also included in Category IV as Item IV-80-05.)

III-80-32 09/25/80 Gamma Diagnostic Laboratories
Attleboro Falls, MA

At 2 a.m., a licensee-owned vehicle carrying packaged technetium-99 (highly unstable) radiopharmaceuticals was stolen from the delivery entrance of the Norwood Hospital in Norwood, Massachusetts. The vehicle was recovered within two hours of the theft. Contents were found to be intact and all accounted for. (Also included in Category IV as Item IV-80-06.)

III-80-33 10/20/80 Technicare Corporation
Cleveland, OH

A one-microcurie cesium-137 sealed source was lost at one of five hospitals in Kentucky, sometime in August 1980. Licensee management was first informed of the loss by an employee on October 20, 1980. The source was believed to have been mistakenly discarded into the trash.

III-80-34 10/23/80 Seismograph Service Corporation
Tulsa, OK

A well-logging source containing 1,500 millicuries of cesium-137 was lost at a depth of 3,700 feet in Fayette County, Pennsylvania. Attempts to retrieve the source were unsuccessful.

III-80-35 11/10/80 Mallinckrodt, Incorporated
St. Louis, MO

A package containing 8 millicuries of iodine-131 was lost in transit. The package originated from Lambert Field, St. Louis, Missouri, on



A truck containing a radiographic camera was stolen sometime between 1 p.m., on January 2, 1981, and 7 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 that a thickness gauge containing 17 millicuries of cesium-137 was missing. The gauge had been taken off-line during January 1981, and had been placed in the licensee's salvage department. The gauge had then been mistakenly shipped to a scrap metal company on February 10, 1981.

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

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

III-81-04 03/17/81 Assured Inspection Management, Incorporated
Offshore Drilling Platform
LA

A radiographic camera containing an 85-curie iridium-192 sealed source fell off a drilling platform in the Gulf of Mexico. The source was in the shielded position. Divers could not retrieve the camera.

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, 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 (subsequently found to have been shipped with a 1.25-curie iridium-192 radiography source) was reported lost in transit. 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, Massachusetts. Searches of warehouses at each airport were conducted with negative results. (Also included in Category IV as Item IV-81-03.)

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

At 3:30 p.m., the licensee discovered that an Iriditron-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, Incorporated
Troy, MI

At 1 a.m., a vehicle containing a Troxler Model 3400 moisture/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, Michigan area.

III-82-01 01/01/82 Salisbury Engineering, Incorporated
05/13/86 Griffith, IN

Between 5 p.m. and 7:30 p.m., a soil moisture/density gauge containing 10 millicuries of cesium-137 and 50 millicuries of americium-241 was stolen from a licensee's vehicle, parked at a shopping center. On May 13, 1986, a container measuring 2' x 2' x 4', marked "Radioactive Material" and "CPN CORP," was found in East Chicago. By cross-checking the serial number with the manufacturer (CNP), it was determined to be the device stolen on January 1, 1982.

III-82-02 01/18/82 United States Priority Transport Corporation
Long Island, NY

At 2:45 p.m., in Boston Massachusetts, a vehicle carrying licensed radioactive material was stolen. The vehicle carried 1.33 curies of molybdenum-99/technetium-99 (highly unstable), an unspecified amount of iodine-131, and other radioactive materials. All packages containing radioactive materials were appropriately labeled. The truck, with radioactive materials intact, was recovered at 8:18 p.m., the same day. (Also included in Category IV as Item IV-82-01.)

III-82-03 02/18/82 Fairfield, CA

NRC was notified that a yellow container containing a radioactive calibration source was found on Highway I-80 near Fairfield, California.

III-82-04 03/23/82 G. D. Searle and Company
Chicago, IL

While conducting an inventory in early March, a detector cell containing a 10-millicurie nickel-63 foil was found missing. After a search, the licensee concluded that the cell may have been discarded as trash when the office in which it was stored was cleaned in preparation for a new occupant.

III-82-05 03/30/82 Cardinal Cushing General Hospital
 Brockton, MA

The licensee reported that a 6-millicurie iodine-131 capsule was missing from the Nuclear Medicine Department. After a search, the licensee concluded that the capsule, in a lead-shielded container, was inadvertently discarded in the normal trash. The trash was removed from the hospital and buried at a landfill.

III-82-06 03/30/82 Southwest X-Ray Corporation
 Kermit, TX

During the night, a licensee's truck containing an 11.5-curie iridium source was stolen from an apartment parking lot in Rock Springs, Wyoming. On April 1, 1982, the wrecked truck was found outside Rock Springs. The source remained in the transport box, which was undamaged and locked.

III-82-07 04/28/82 EG&G - Ortec
 Oak Ridge, TN

The State of Tennessee informed NRC that a licensee had lost a beta calibration source. The device was shipped as checked baggage with a commercial airline. It did not pose a hazard to those handling it.

III-82-08 05/18/82 Stan A. Huber Consultants, Incorporated
 New Lenox, IL

Between 6:30 and 7 p.m., a box of five sealed calibration sources was stolen from a medical consultant's car in the Mount Sinai Medical Center parking lot in Chicago. The sources contained 198 microcuries of cesium-137, 25 microcuries of cobalt-60, 139 microcuries of cobalt-57, 2.01 millicuries of cobalt-57, and 220 microcuries of barium-133. Each vial was encased by lead shielding.

III-82-09 05/28/82 Hydrotonics, Incorporated
 Salt Lake City, UT

At 12:30 p.m., a moisture/density gauge containing 50 millicuries of cesium-137 and 50 millicuries of americium-241 was stolen. The police found the device the next day.

III-82-10 06/10/82 Amersham Corporation
 Arlington Heights, IL
 to Troxler, Incorporated
 Research Triangle Park, NC

Five sealed sources packed in one container were found missing on a shipment from Amersham Corporation in Arlington Heights, Illinois. Each source contained 300 millicuries of americium-beryllium. (Also included in Category IV as Item IV-82-02.)

III-82-11 06/19/82 Intec Inspection, Incorporated
 Tulsa, OK

Between 12:30 a.m. and 7:30 a.m., a licensee vehicle carrying a radiography camera containing 82 curies of iridium-192 was stolen. The vehicle was found at 12:30 p.m., the same day. The camera was still locked and did not appear damaged.

III-82-12 06/21/82 Neyer, Tisco, and Hindo, Ltd.
 Farmington Hills, MI

Between 1 p.m., on June 20, 1982, and 6 a.m., on June 21, 1982, a truck containing a soil moisture/density gauge was stolen. The device contained 8 millicuries of cesium-137 and 40 millicuries of americium-241.

III-82-13 07/1-14/82 St. Elizabeth Medical Center
 Dayton, OH

During the first or second week in July, a physicist discovered that 48 iridium-192 seeds, removed from a patient on June 5, 1982, were missing. The seeds totaled 40.42 mCi on June 2, 1982, and were incorporated into six ribbons. The radiation therapist was notified. Searches were conducted with negative results.

III-82-14 07/29/82 U.S. Bureau of Mines
 Boulder City, NV

Uranium samples were stolen from an educational display case at the Bureau of Mines Laboratory. Among them was a 400- or 500-gram sample of high-purity depleted uranium in crystalline form.

III-82-15 08/03/82 Bothwell Memorial Hospital
 Sedalia, MO

Between 4:30 and 6:30 p.m., a briefcase containing three sealed calibration sources was stolen from a car which belonged to a consultant from Nuclear Medicine Associates, Incorporated, from Cleveland, Ohio. The car was parked in the hospital parking lot. The sources were New England Nuclear Type E vials and contained 200 microcuries of cesium-137, 960 microcuries of cobalt-60, and 200 microcuries of radium-226. They were all epoxy-encapsulated and encased by a lead shielding. The briefcase was not labeled, but each source was labeled "Caution-Radioactive Material." The State of Missouri and the local police department were notified.

III-82-16 09/25/82 McGinnis Mine
 Sydney, KY

A 100-millicurie cesium-137 logging source was discovered missing from a coal mine in Sydney, Kentucky. When a search did not locate the source, a 100-car train, being loaded when the source was discovered missing, was searched. The source was not found.

III-82-17 09/26/82 Unknown
Cleveland, OH

Two private citizens found a lead container marked "Radioactive Material." Evaluation of the container at St. Vincent's Charity Hospital identified it as one that had been used for transporting a radiopharmaceutical. It was free from radioactive contamination. The local police found the owner. She claimed she had obtained the vial from a hospital's waste, affixed her own "Radioactive Material" label, and placed it inside her car to discourage theft.

III-82-18 10/11/82 Short-Elliott-Hendrickson, Incorporated
Chippewa Falls, WI

A Troxler soil moisture/density gauge was reported stolen from a construction site in Ashland, Wisconsin. The gauge containing sealed sources of cesium-137 (10 mCi) and americium-241 (50 mCi), was stolen from a locked construction trailer. The local police were notified. Searches were conducted with negative results.

III-82-19 10/29/82 Agreement State License
Florida Department of Transportation
FL

A Troxler moisture/density gauge was reported stolen sometime over the weekend of October 29-31, 1982. The device was padlocked at a temporary location at Davie, Florida. Local authorities investigated the theft.

III-82-20 11/16/82 Unknown
Washington, DC

Two teenagers found a small lead pig labeled "New England Nuclear" in a gutter. The students found it contained a vial of liquid labeled "5 millicuries chromium-51." They apparently handled the vial a short time and then placed it in a school locker. An NIH radiation safety officer surveyed the pig, vial, and persons who handled it, and found no removable contamination. The vial was left in the custody of the DC Bureau of Occupational and Institutional Hygiene.

III-82-21 11/17/82 Westinghouse
Columbia, SC

During a semiannual inventory, the licensee discovered an inventory discrepancy. The physical inventory was performed using a new computerized item control technique and identified 50 unaccounted for rods, of which half were coded as defective. The licensee believes they were processed as scrap because of an inventory gain of uranium in the salvage area, as well as the discovery of seven labels from the defective and unaccounted for fuel rods in this same area.

III-82-22 12/14/82 D'Appolonia Group
Export, PA

A truck containing a moisture/density gauge holding either a 9-millicurie cesium-137 source or a 9-millicurie cesium-137 source and a 40-millicurie americium-241-beryllium source was stolen from the parking lot in Monroeville, Pennsylvania. The gauge included shielding and did not present a risk to the public unless the sources were removed from the shielding. The truck was recovered, but the gauge is still missing. (Also included in Category IV as Item IV-82-03.)

III-83-01 01/25/83 Metcor, Incorporated
Fairfield, NJ

A Metcor contractor carrier driver transporting three packages of licensed material from Newark airport to the main office in Fairfield, New Jersey, developed a flat tire. The driver stopped on McCarten Highway in Newark to change the tire. To reach the spare tire space, he had to unload the licensed material from the van. While he was changing the tire, the three packages were stolen. One package contained 1 millicurie of sulfur-35; the second, 0.5 millicuries of phosphorus-32; and the third, a small but unknown amount of phosphorus-32. The contents were clearly labelled. State of New Jersey officials found the sulfur-35 package in the possession of a citizen. The outer package was opened, but the can contained inside was unopened. There was no contamination on the can, package, or citizen. The other packages were not recovered (Also included in Category IV as Item IV-83-02.)

III-83-02 02/10/83 Standard Oil Company
Amoco Research Center
Naperville, IL

The licensee discovered that a Kay-Ray Model 7052 level-indicator source holder containing a 10-millicurie cesium-137 sealed source was missing. The locked and labeled unit that had been attached to a vessel in the research and development building had been removed by the licensee and stored in a wooden box, while the area was being renovated. The licensee began an investigation into the disappearance on February 28, 1983. The NRC Region III was informed that the source and holder had been stolen.

III-83-03 02/13/83 Naval Regional Medical Center
Camp Pendelton, CA

A molybdenum-99/technetium-99 (highly unstable) generator containing approximately 880 millicuries of radioactive material, which was to be delivered on February 13, 1983, was not received. Contact with the supplier, Nuclear Pharmacy, Inc., San Diego, California, indicated that the generator was later delivered to the Naval Regional Medical Center. (Also included in Category IV as Item IV-83-03.)

III-83-04 02/12/83 Trolxer Electronic Laboratories
Research Triangle Park, NC

Between 11:30 p.m., on February 21, 1983, and 8 a.m., on February 22, 1983, three gauges were stolen from a station wagon parked outside the Holiday Inn in King of Prussia, Pennsylvania. The Troxler sealed source contents were: 300 millicuries americium-241-beryllium; 40 millicuries americium-241-beryllium and 8 millicuries cesium-137; and 40 millicuries americium-241-beryllium. The gauges did not present a hazard to the public unless the sources were removed from the shielded, locked device. The local police department was notified.

III-83-05 03/02/83 Unknown
Philadelphia, PA

Two police officers brought two 1.5-curie molybdenum-99/technetium-99 (highly unstable) generators to the Misericordia Hospital in Philadelphia. They had discovered the generators behind a nearby Philadelphia residence. A hospital staff survey indicated surface readings of less than 50 milliroentgens per hour. No contamination was detected on the officers. The generators were stored at Misericordia Hospital.

III-83-06 04/15/83 Rabbit Transit Company
Memphis, TN

Mississippi authorities were notified that some radiopharmaceuticals were found missing from a can belonging to Rabbit Transit Company of Memphis, Tennessee, after the vehicle apparently ran off State Highway 35. The driver reported that the materials were apparently stolen while he was away seeking a wrecker. Thirty millicuries of xenon-133, 15 millicuries of gallium-67, 20 capsules of iodine-123, and 3 thallium-201 sources were missing. They were being shipped from New England Nuclear and Metaphysics Inc. to Nuclear Pharmacy and Baptist Hospital in Jackson, Mississippi, and to Jeff Anderson Hospital, Meridian, Mississippi. (Also included in Category IV as Item IV-83-04.)

III-83-07 4/21/83 Private Citizen
Pontiac, MI

NRC Region III was informed that an individual at a Rock Mineral Club meeting in Ann Arbor, Michigan, had a piece of rock believed to be part of the waste from a research reactor decommissioned in St. Louis, Missouri, ten years ago. A Region III inspector performed radiation level measurements near the shed where the rock was stored. No radiation was found.

III-83-08 05/04/83 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo County, CA

The licensee notified the NRC Region V office that a 100-microcurie cesium-137 check source was missing. This check source was part of Monitor rhodium-22, Gas Decay Tank Discharge Monitor, and was used for the monitor operability test. The check source was last known to be in place at 4 a.m., on the morning of May 4, 1983. On September 16, 1983, the licensee found the missing check source on the 85-ft level of the auxiliary building. The source had been placed inside a sheet rock wall by unknown persons. Fuel present at site.

III-83-09 05/14/84 University Hospital of Cleveland
Cleveland, OH

The licensee discovered that a 50-millicurie cesium-137 seed was missing. It was last seen on May 14, 1983, when it was removed from a patient, inventoried, and placed in a storage safe. A search was conducted with negative results.

III-83-10 06/01/83 License of M.D.
Paterson, NJ

NRC Region I personnel received a report from the licensee that a 225-microcurie barium-133 source had been lost. The licensee did not know how the source was lost. The source was last leak-tested on November 2, 1982. The lead "pig" in which the source was normally stored was also missing, and it was possible that the source was still shielded within.

III-83-11 06/04/83 Fletcher Street
Philadelphia, PA

It was reported to NRC Region I that five children in Philadelphia had played with vials labeled "Radioactive Material." St. Christopher's Hospital, where the children were taken, requested assistance in determining whether the children were contaminated. A Region I inspector surveyed the children and their clothing and found no radioactive contamination. A vacant lot was searched and surveyed. No radiation was detected. A one-gallon can containing small vials of iodine-125, each labeled less than 0.1 microcuries, was discovered. It appeared that the vials were at least eight years old.

III-83-12 07/19/83 Amersham Corporation
Arlington Heights, IL

The licensee reported that a shipment of 50,000 sealed capsules of americium-241 destined for Hong Kong did not arrive on schedule. The licensee placed a tracer on the shipment which was found in a warehouse in Japan. The Japanese were holding the shipment for procedural reasons. (Also included in Category IV as Item IV-83-05).

III-83-13 07/20/83 Professional Service Industries, Incorporated
Oak Brook, IL

The licensee notified the NRC Region III office that they had presumed a moisture/density gauge containing 7.8 millicuries of cesium-137 and 40 millicuries of americium-241 was lost. Two NRC inspectors immediately went to the facility where they learned that the gauge had been found in the possession of an unauthorized part-time employee.

III-83-14 08/26/83 Kay Ray, Incorporated
Arlington Heights, IL

The licensee, whose NRC license was suspended on August 15, 1983, informed Region III that a 100-millicurie cesium-137 sealed source was missing. Firm personnel also reported that they had located a 50-millicurie cesium-137 sealed source that had not been previously accounted for. A radiological survey in and around the facility revealed areas of previously unknown cesium-137 contamination (not exceeding Part 20 restrictions). NRC imposed a civil penalty on the firm for poor inventory management procedures.

III-83-15 09/09/83 Miller Brewing Company
Milwaukee, WI

During inventory, the licensee was unable to locate a generally licensed gauge containing 100 millicuries of americium-241. Apparently, the licensee could not find it because of the facility's large size and numerous filling vats and vessels where the gauge was used. The licensee found the gauge about three weeks later.

III-83-16 10/25/83 Illinois Department of Transportation
Springfield, IL

Between 5 p.m., October 25, and 8 a.m., October 16, a Troxler moisture/density gauge was stolen from a construction trailer near Springfield, Illinois. The gauge contained 10 millicuries of cesium-137 and 50 millicuries of americium-241 sealed sources. The local police were notified, but the unit was not found.

III-83-17 11/22/83 New England Nuclear Corporation
Boston, MA

A spent molybdenum-99/technetium-99 (very unstable) generator was found on the Maryland side of the Cabin John Bridge on I-495. A representative from the National Institutes of Health confirmed that no radioactive material was present. However, several people complained of illness and were taken to the National Naval Medical Center. (Also included in Category IV as Item IV-83-07.)

III-83-18 11/30/83 Emery World Wide Services
 Alexandria, VA

A vehicle carrying a package of 1.5 millicuries of iodine-125 was stolen in the Washington, D.C. area. The vehicle was found the next day. The radioactive package was intact and undamaged. (Also included in Category IV as Item IV-83-08.)

III-83-19 12/01/83 Gearhart Industries, Incorporated
 Fort Worth, TX

The licensee recovered a 20-curie americium-241 beryllium well-logging source under one foot of mud in a gas and oil field in Owensboro, Kentucky. The source was found to be undamaged. It was first reported missing November 29, 1983.

III-83-20 12/01/83 Westinghouse Corporation
 Columbia, SC

The licensee notified NRC that a recent material balance inventory had revealed that one low-enriched uranium fuel rod could not be found. The rod containing 40 grams of uranium-235 was last accounted for on November 10, 1983. A search revealed the rod had been misplaced in a reject pile.

III-83-21 12/06/83 Loyola University
 Chicago, IL

A canister containing 0.5 millicuries of phosphorus-32 solid waste (wipes, glassware, etc.) was inadvertently picked up by maintenance personnel and deposited in a waste dumpster delivered to a landfill. When the licensee attempted to locate the canister, it had already been covered by 12 feet of dirt. (Also included in Category IV as Item IV-83-09.)

III-83-22 Emery World Wide Services
 Alexandria, VA

At 3 a.m., a stolen Emery World Wide Services vehicle was found by the District of Columbia police. The vehicle had been stolen on November 30, 1983, and contained a package with a DOE Radioactive II label: "hormone, 1.5 millicuries" (assumed to be iodine-125). The cargo hatch and package were undamaged and intact. Emery subsequently delivered the package to the addressee, George Washington University. McGill University, the shipper, was also notified of the incident. (Also included in Category IV as Item IV-83-10.)

III-83-23 12/28/83 Automation Industries
 Phoenixville, PA

At 2:10 p.m., a Region I inspector found a licensee source changer at the corner of First and American Avenues in King of Prussia, Pennsylvania. The police had already been notified. A survey by

the NRC inspector indicated a dose rate of 3 millirems per hour at the surface of the source changer. A motorist who saw the package drop off the truck told the driver, who then returned to pick up the source changer. (Also included in Category IV as Item IV-83-11.)

III-84-01 01/12/84 New England Nuclear Corporation
Boston, MA

A shipment of medical isotopes (196 millicuries of xenon-133), shipped from Dallas on January 12 by American Airlines, did not arrive in Houston, as scheduled. American Airlines found the shipment in Houston on January 16. (Also included in Category IV as Item IV-84-01.)

III-84-02 01/12/84 New England Nuclear Corporation
Boston, MA

A package received at the University of Rochester Medical School was missing one of three vials of radioactive material. The missing vial contained 1.1 millicuries of cerium-141. The package was shipped on January 11 via a combination of air and ground transportation. The driver of the carrier noted that the package bottom was sagging, but appeared to be intact at the time of delivery. The university researcher who received the package found it had been opened and resealed. The vial of cerium-141 was in a lead pig with shielding. It was determined that the isotope arrived at the university and was lost there. (Also included in Category IV as Item IV-84-02.)

III-84-03 01/29/84 G. G. Thalen Associated
Covington, KY

A moisture/density gauge containing 10 millicuries of cesium-137 and 50 millicuries of americium-241 was stolen from a truck in Norwood, Ohio. The next day, the police found the gauge in its container in a home near where it was stolen. The police arrested the resident. (Also included in Category IV as Item IV-84-03.)

III-84-04 02/16/84 New England Nuclear Corporation
Boston, MA

At 1:10 p.m., Metcor, the licensee's contract carrier, informed the licensee that a package with a DOT White I radioactive label reading "thallium-201, 9 millicuries" was lost from a carrier truck in New Haven, Connecticut. A passing vehicle stopped the truck for having its door open. The truck had just made deliveries to St. Raphael's Hospital. The State of Connecticut investigated. (Also included in Category IV as Item IV-84-04.)

III-84-05 02/23/84 Ohmart Corporation
Cincinnati, OH

The City of Kalamazoo sent a moisture/density gauge containing 700 millicuries of cesium-137 (sealed source) to the licensee via a trucking company. The package arrived on February 29. When

Ohmart employees began to dismantle the gauge for disposal, they found the source was missing. The source was apparently lost when the gauge was being prepared for shipment. The source was located by the State of Michigan and NRC Region III personnel during a survey on March 23, 1984. (Also included in Category IV as Item IV-84-05.)

III-84-06 04/13/84 Midstates Logging & Perforating Company
Fairfield, IL

A Region III inspector performing a routine inspection at the licensee's facility discovered that an americium-beryllium well-logging source was missing. The sealed source containing 3 curies of americium-241 was known to be missing through a comparison of an April 13, 1984 inventory with leak-testing records from November 1983. Initial efforts to find the source were unsuccessful, and the licensee notified the local police. The source was found on May 16, 1984, beside a road leading to the licensee's facility, near Stanton, Kentucky.

III-84-07 04/16/85 Cincinnati Gas & Electric Company
Cincinnati, OH

During an inventory, two level gauges, each containing a 10-millicurie cesium-137 source, were verified as missing. The units had been attached to coal shutes. A search was conducted with negative results.

III-84-08 04/17/84 International Wire Line Service
Newton, IL

At 1 p.m., an Illinois State Police Hazardous Materials Officer found a 3-curie americium/beryllium well-logging source (enclosed in a transport container) on a roadside in Newton, Illinois. The source was intact, and there was no radioactive release. The Jasper County Sheriff's Office took possession of the padlocked container. (Also included in Category IV as Item IV-84-06.)

III-84-09 04/25/84 James River Company
Easton, PA

A gauge containing 55 millicuries of strontium-90 was removed from storage for a routine leak test. While performing the test, an individual placed the gauge next to equipment scheduled for disposal. After the leak test was completed, the gauge was never returned to its storage area and was apparently disposed of with the other equipment. The gauge was presumed to be in a local landfill.

III-84-10 05/17/84 Kraft, Incorporated
Glenview, IL

During an inventory, the licensee discovered the loss of a moisture/density gauge containing 450 millicuries of cesium-137. Apparently,

III-84-11 05/28/84 Virginia Department of Highways
Richmond, VA

III-84-12 06/19/84 Duane Arnold
Iowa Electric Light and Power Company
Linn County, IA

III-84-13 6/22/84 Syncor Corporation
Richmond, VA

III-84-14 06/27/84 Northern Virginia Endocrinologists
Fairfax, VA

III-84-15 07/11/84 Ryder/Pie Nationwide, Incorporated
South Windsor, CT

In January 1983, the trucking firm had an unlabeled crate and could not identify its owner. About one year later, the crate was opened, and the contents were identified as "radioactive." Early in July 1984, the contents of the crate were identified as a collimator for a medical teletherapy unit, and the material was identified as depleted uranium. (Also included in Category IV as Item IV-84-09.)

During an inventory, a moisture/density gauge containing 500 millicuries of cesium-137 was found missing. The gauge was removed from service in December 1983, and was last seen on a pallet at the licensee's Chemolite plant in Hastings, Minnesota.

The licensee reported to Region I that sometime in January 1984, a 5-millicurie krypton-85 source was stolen during a break-in at the locked storage room at the licensee's Fort Richardson, Alaska facility. The source was in a sealed ampule. It presented no contamination hazard. The licensee reprimanded individuals responsible for not reporting the theft immediately.

Licensee representatives were approached by two unknown individuals who had two molybdeum-99/technetium-99 generators in their possession. The two generators contained no labelling except for the manufacturer and lot number. The two individuals stated they had "purchased" these generators for the lead, but were concerned because the generators had "Caution, Radioactive Material" labels. Licensee representatives surveyed the generators and noted surface dose rates to 2.5 milliroentgens per hour. They confiscated the generators because of the radiation levels. The two individuals stated they had 500 pounds of these devices (about 15 devices) and that they would also bring these to the licensee. The individuals never returned. The licensee called the manufacturer to identify the users of the generators, but the lot number was insufficient for identification.

An intact inner (highly unstable) container containing a 3-curie molybdenum-99/technetium-99 generator was stolen from a damaged outer package. The package was damaged while being transported from the licensee to a New York City hospital. The package was being held at the Airbourne Airfreight Terminal near LaGuardia Airport, for pickup by the licensee, when it was stolen. The intact container was recovered a short time later in an area near the terminal. No leakage of radioactive material occurred. The Department of Transportation was informed of the incident. (Also included in Category IV as Item IV-84-10.)

III-84-20 09/26/84 University of Massachusetts
Amherst, MA

A generally licensed "EXIT" sign containing 21 curies of hydrogen-3 was discovered missing during a fire drill. The sign had last been accounted for during an inspection in April 1984. The licensee stated this was the only sign at the university containing licensed material and that it was installed three years ago using "tamper-proof screws. The licensee interviewed maintenance personnel and dormitory head residents on the possible location of the sign and conducted a search.

III-84-21 10/11/84 Facility Unknown
Rossville, GA

At 5:45 p.m., a private citizen contacted the Sequoyah senior resident inspector to report finding a cylinder marked "Radio-active Material" in a ditch near his house. The resident inspector investigated and determined that the cylinder had contained iodine-125, dated July 20, 1978. Based on the two-month half-life of iodine-125, no activity was expected, and surveys confirmed none. The State of Georgia was informed, and the cylinder was turned over to the county sheriff's deputy.

III-84-22 10/11/84 Yale University
New Haven, CT

A vial containing 5 millicuries of phosphorus-32, which had been logged into the university on October 2, could not be found. After extensive searches and inquiries, it was discovered that the package containing the vial had been sent to the wrong laboratory. The State of Connecticut was informed. (Also included in Category IV as Item IV-84-11.)

III-84-23 10-16-84- Woodward Clyde Consultants
07/05/88 Rockville, MD

The Maryland Division of Radiation Control notified Region I that a moisture/density gauge containing cesium-137 and americium-241 was stolen from the licensee. On July 5, 1988, two fishermen pulled the missing gauge from a lake near a townhouse in Rockville, Maryland. The device was transferred to the University of Maryland for proper disposal.

III-84-24 11/20/84 Schlumberger Technology Corporation
Houston, TX

A well injection tool containing 7 millicuries of iodine-131 in liquid form was lost from a company vehicle during transit near Evanston, Wyoming. Because of the tool configuration, accidental radioactive release was unlikely. State and local authorities were notified. Licensee employees walked along 40 miles of roadways with survey meters, but were unable to locate the tool. On November 25, after hearing a news report of the loss, a farmer

notified authorities that he had found the tool along a highway. (Also included in Category IV as Item IV-84-12.)

III-84-25 11/25/84 Dolton Illinois Police Department
Dolton, IL

A vial containing 2.2 milligrams of mercury-197 was found near a trash container and turned over to the Dolton Police Department. It was dated May 9, 1979. Mercury-197 has a half-life of 65 hours, so no activity was found.

III-84-26 12/04/84 Vess Beverages, Incorporated
St. Louis, MO

A level gauge containing 14 millicuries of cesium-137 was lost. Licensee personnel searched their facilities and could not find the gauge.

III-84-27 12/05/84 Doctors Hospital
Columbus, OH

A sealed source containing 27 millicuries of cesium-137 was found missing during a routine inventory. Hospital records indicated that the source was last used for a radiation procedure on November 27. The source had been implanted in a patient. An intensive search was conducted, and the licensee notified the State of Ohio. The source was found in the wrong storage slot beneath another source in a storage.

III-85-01 01/02/85 Accu-Ray Corporation
Columbus, OH

A 1.5-curie krypton-85 sealed source was lost in shipment from the licensee to Brussels, Belgium. The source was sent some time after December 12, 1984, and arrived at Kennedy Airport on December 14. Accu-Ray was informed that the carrier, Flying Tiger Airlines, was delaying shipment due to backlogs. The shipment was misplaced temporarily while in transit and finally arrived in Brussels by January 4, 1985. (Also included in Category IV as Item IV-85-01.)

III-85-02 01/14/85 Nuclear Pharmacy Incorporated
Philadelphia PA

Two packages of radioactive material fell off the back of the licensee's truck. Another driver retrieved the packages and took them to the nearest police station. The packages had been tied down, but slipped out of the back of the pickup truck when the rear gate opened inadvertently. The packages contained two millicuries of thallium-201, six millicuries of technetium-99 (highly unstable) and a five-millicurie krypton-81 generator. The inner packages, including shielding, were intact. No contamination was detected. (Also included in Category IV as Item IV-85-02.)

III-85-03 01/25/85 U.S. Army Chemical Corps School
Ft. McClellan, AL

A 0.95-curie cobalt-60 sealed source was found in a former fallout simulation training range in an unoccupied area. This was one of 800 sources that were supposedly shipped for disposal to Morehead, Kentucky, in 1973. (Also included in Category IV as Item IV-85-03.)

III-85-04 02/13/85 Schlumberger Well Services
Houston, TX

The Texas Bureau of Radiation Control notified Region IV that a sealed radioactive source containing 1.5 curies of cesium-137 was missing from a well-logging truck operating near Graham, Texas. Company employees unsuccessfully attempted to find the source by retracing the truck's route. Extensive investigations by the licensee and the Texas Bureau of Radiation Control failed to find the source. On April 12, 1985, the source was found by Geo Source Company, about 3 miles west of Graham, Texas. (Also included in Category IV as Item IV-85-04.)

III-85-05 02/20/85 Amersham Corporation
Arlington Heights, IL

Two packages of radioactive materials belonging to the licensee were found along a nearby highway. They were part of a shipment to Cornell University in Ithaca, New York. Cornell had reported them missing, and the licensee had sent replacement packages, believing that they had not been sent originally. The discovered packages were intact and contained 5 millicuries each of iodine-125 and tritium. (Also included in Category IV as Item IV-85-05.)

III-85-06 02/04/85 Georgia Nuclear Services
Augusta, GA

A Union Carbide molybdenum/technetium generator, shipped on February 4, 1985, was not received by the licensee. According to Union Carbide, the generator was shipped by Eastern Airlines flight 171 and was signed for by Purolator couriers. Union Carbide received a call on February 6 from Georgia Nuclear Services, claiming that they had never notified the State of Georgia of the lost generator. Union Carbide notified the State of New York on February 27. The State of Georgia was informed and contacted Georgia Nuclear Services and Purolator to attempt to trace the generator, which by then had decayed to less than 16 millicuries. (Also included in Category IV as Item IV-85-06.)

III-85-07 03/10/85 Round Lake Police Department
Round Lake, IL

A local resident found an empty yellow transport bag marked "Caution, Radioactive Material" and reported it to the police, who subsequently

confiscated the bag. An NRC inspector interviewed the citizen and surveyed the property where the material was found. No radioactive contamination was detected.

III-85-08 03/26/85 Newark, OH

An NRC licensee was arrested by the FBI on charges of unlawful possession and use of licensable radioactive material. The licensee had been licensed to possess americium-241 since 1970, but since 1981, his license was limited to storage of small amounts of material. The licensee had used the americium to irradiate gemstones to induce a color change. FBI and NRC personnel confiscated over 20 curies of americium from the licensee and transported the material to the DOE Mound Laboratories.

III-85-09 03/28/85 Johnston-Willis Hospital
Richmond, VA

A 550-microcurie dose of iodine-131 hippuran was discovered missing from the Johnston-Willis Hospital's hot lab. The dose had been received from Mallinkrodt two days before and had been placed in storage. Searches and interviews with personnel failed to find the iodine.

III-85-10 04/03/85 Kaiser Cement and Gypsum Company
Permanente, CA

At 9 a.m., a licensee representative from the plant in Montana City, Montana, called to report the loss of a nonportable gamma ray moisture/density gauge. During a three-month shutdown, employees were asked to do maintenance work, which generated a great deal of scrap material. A nonportable gauge containing less than 150 millicuries of cesium-137 was inadvertently placed with the scrap materials. The shutter was in the closed position, and the gauge was locked. A company employee responsible for loading scrap confirmed that the device was loaded onto a truck going to Pacific Hide and Fur on March 22. Two other possible destinations were American Smelting and Refining Company in East Helena, Montana and Nucor near Brigham City, Utah. Radiation control officials from Utah and Montana conducted surveys of these locations and found no levels above background. The gauge was located several days later and returned to the licensee. No damage or radiation exposure occurred. (Also included in Category IV as Item IV-85-07.)

III-85-11 04/03/85 Amersham Corporation
Arlington Heights, IL

A shipment of cesium-137 liquid solution was lost in transit. The package was shipped on January 25 to Philadelphia Electric Company. Personnel did not receive the shipment. The delivery service was unable to demonstrate proof of delivery. (Also included in Category IV as Item IV-85-08.)

III-85-12 04/10/85 Syncor Corporation
Grand Rapids, MI

The licensee reported that a briefcase containing three syringes of technetium-99 (very unstable) was stolen from the licensee's vehicle while it was being loaded at about 4 a.m. The theft was discovered when the driver prepared to leave the facility. Later the same day, a licensee employee spotted the three syringes along a street near the licensee's facility. The syringes remained in the shielded packages, but each one had been damaged. Portions of the contents leaked onto the pavement, but most of the radioactivity remained in the syringes and packaging. (Also included in Category IV as Item IV-85-09.)

III-85-13 04/16/85 Amersham Corporation
Arlington Heights, IL

One of eleven packages containing sealed capsules of americium-241 was determined to be missing between Chicago's O'Hare Airport and Hong Kong. The package contained 7,500 capsules, each with one microcurie. The licensee placed a tracer on the shipment, but failed to locate the missing package. (Also included in Category IV as Item IV-85-10.)

III-85-14 04/17/85 Montefiore Hospital
Pittsburg, PA

The licensee reported that a seed containing 24 millicuries of iodine-125 was lost. It had been implanted in a two-centimeter tumor on the flank of a rat on April 12. Shortly after the implantation, a technician changed the absorbent material at the bottom of the cage, failed to survey this material, and disposed of it in the regular trash, which was subsequently placed in a dumpster and sent to a local landfill. A thorough survey of the facility failed to locate the missing seed, and it was determined that it was lost at the landfill. Licensee personnel were reminded of the requirement to survey all material taken from animal cages containing radioactive materials.

III-85-15 04/17/85 Babcock and Wilcox Company
Alliance, OH

The licensee reported the loss of four unirradiated uranium dioxide fuel pellets containing about one gram of uranium-235, with each pellet enriched to 3.19 percent. The loss was discovered during a routine annual inventory of special nuclear material. It was suspected that the pellets were accidentally discarded as trash.

III-85-16 05/01/85 Uniroyal Tire Company
Opelika, AL

During routine leak test, licensee personnel determined that four 19 Kay-Ray Model 7062 level density gauges used in tire manufacturing

were missing. Three of the four gauges each contained 50 millicuries of cesium-137, and the other contained 10 millicuries. It was believed that the gauges were inadvertently delivered to a scrap salvage yard, with some major equipment recently retired from use. On May 10 1985, it was reported that one of the gauges was found in a scrap in Alexander City, Alabama.

III-85-17 05/07/85 Young Wireline Service, Incorporated
Charleston, WV

A logging tool containing 2 curies of cesium-137 was lost 4900 feet deep in an oil well in Wirt County, West Virginia. Attempts to recover the logging tool failed when the remaining cable snapped during recovery attempts. The tool was believed to have collapsed after falling 150 feet, earlier. The tool was isolated with a deflection device and covered with 130 feet of cement.

III-85-18 05/29/85 Research Products International Corporation
Mt. Prospect, IL

A package containing 5 millicuries of tritium labeled thymidine was shipped by Federal Express on May 26 to Stanford University. The outer package arrived damaged, with the inside container and contents missing. The thymidine was in liquid form in a "Radioactive Materials" labeled vial, with a rubber sealed cap. The licensee, carrier and consignee conducted a search with negative results. (Also included in Category IV as Item IV-85-11.)

III-85-19 06/04/85 Member of Public
Casper WY

A resident of a rural area near Casper, Wyoming, reported that he found 12 lead containers with radioactive material labels being stored in his drinking water pumphouse. The containers were there when he bought the property two years ago, but he had never before noticed the labels. On June 5, 1985, a civil defense official surveyed the containers and found no evidence of radioactivity. The containers were transported to the Wyoming Bureau of Health.

III-85-20 07/10/85 University of California
Berkeley, CA

The licensee informed the State of California that several radioactive sources were either lost or stolen. The sources included 150 millicuries of americium-241, 2 millicuries of cobalt-57, and micro-curie quantities of cesium-137 and barium-133.

III-85-21 07/15-16/85 McClellan Engineering, Incorporated
Little Rock, AR

The licensee notified the Region IV office that a moisture/density gauge was lost or stolen from a company vehicle while in Pine Bluff Arkansas. A search was conducted by the license, Arkansas Department

of Health, county sheriff and state highway patrol personnel with negative results.

III-85-22 07/17/85 GA Technologies, Incorporated

A brass-encased special nuclear material detector check source containing about three grams of 93 percent enriched uranium oxide was discovered missing and unaccounted for. A search was conducted with negative results.

III-85-23 08/06/85 John Mathes & Associates, Incorporated
Columbia, IL

The licensee notified RIII that a moisture/density gauge was stolen from a locked construction trailer in Mundelein, IL. The gauge contained 10 millicuries of cesium-137 and 40 millicuries of americium-241. The gauge handle was padlocked to prevent unauthorized use. On September 20, 1985, the Lincolnshire Police Department notified Region III that the moisture/density gauge was found inside an abandoned grain silo.

III-85-24 10/20/85 State of Tennessee
Nashville, TN

Tennessee radiation control program representatives informed Region II that a Tennessee licensee reported a pickup truck containing a radioactive device was stolen from a job site in Nashville, Tennessee. The device was a Troxler Model 3411 moisture/density gauge containing 10 millicuries of americium-241. A local police department investigation was conducted with negative results.

III-85-25 10/29/86 Member of Public
O'Fallon, MI

An individual found a container labeled "Sodium Iodide-Iodine-123 capsule" at the edge of a parking lot in O'Fallon, Missouri. The capsule was calibrated for January 10, 1985. Iodine-123 is not regulated by the NRC. The state of Missouri was notified.

III-85-26 12/18/85 Shadyside Hospital
10/20/88 Pittsburgh, PA

On March 4, 1976, a plutonium powered pacemaker manufactured by Arco Medical Products was implanted in a patient at Shadyside Hospital. On December 18, 1985, the patient expired. On December 20, 1985, the hospital was made aware of the death when it attempted to set up a transtelephonic pacer analysis. According to the licensee, Arco was requested to forward the special packaging and instructions to the mortuary for return of the pacemaker. The funeral director retained the pacemaker in a cabinet in the embalming room. In late August or early September 1986, not having received the package from Arco or the hospital, he disposed of the pacemaker in the normal trash. On

October 20, 1988, the Commission issued a Notice of Violation and Proposed Imposition of Civil Penalty in the amount of \$2,500 for failure to recover and return a nuclear pacemaker to the manufacturer upon the death of a patient. The licensee paid the penalty on November 11, 1988.

III-86-01 01/13/86 State of Alabama

A plutonium check source set (approximately 2 microcuries) was found in a surplus safe purchased by the Alabama Air National Guard from a Federal surplus property depot located in Alabama. The sources were placed in the possession of the Alabama Bureau of Radiological Health at Montgomery, Alabama. NASA was determined to be the agency responsible for these sources.

III-86-02 01/30/86 Department of the Navy
Naval Construction Training Center
Port Hueneme, CA

The licensee reported the loss of a Troxler Model 3401B moisture/density gauge. The gauge was originally found to be missing on January 24, 1986. The loss of the gauge was not immediately reported to the NRC, because it was believed that it was transferred to another Navy Command licensee on the same base. On April 22, 1986, Region V was notified that the gauge had been found in a storage warehouse.

III-86-03 02/14/86 RAI Research Corporation
Hauppauge, NY

On February 14, 1986, licensee personnel discovered that an 83-millicurie cesium-137 calibration source was missing. Since the lock on the source holder had been changed, theft was suspected. Air search of employee's homes was conducted with negative results. Employees were interviewed with negative results. Future calibration will be provided by contractor. No further action contemplated.

III-86-04 02//20/86 McFarland-Johnson Engineers, Incorporated
New Haven, CT

McFarland-Johnson Engineers, Incorporated, reported the theft of a moisture/density gauge containing cesium-137 and americium-241. It was recovered when a motorist noticed a bright orange container holding the device on a street corner in Branford, Connecticut, and reported it to the police. Examination by local police and licensee revealed no tampering with the lock on the gauge.

III-86-05 03/01-07/86 McAlester Regional Hospital
McAlester, OK

A package containing 10 capsules of iodine-131 (17 curies each) was found intact on public property on March 7, 1986, and returned to the hospital. The licensee reviewed material control procedures.

III-86-06 03/26/86 Bowser-Morner Testing Laboratories
Dayton, OH

A Troxler moisture/density gauge lost from the back of the licensee's pickup truck on March 26 was found during the afternoon of March 27, 1986. The gauge was found intact.

III-86-07 04/03/86 James River Corporation
Parchment, MI

On April 3, 1986, the licensee discovered that an Accuracy U-Frame Scanner, Model #3102, containing approximate 230 millicuries of krypton-85 gas in a sealed source, was missing. The gauge was last seen in a storage area during an inventory in July 1985. The gauge, which was used to measure the thickness of paper, was about the size of a typewriter, weighed 30 to 40 pounds, and was attached to a 14-foot-long U-Frame. An immediate search, which included the James River plant and the local metal salvage yards, was unsuccessful.

III-86-08 04/14/86 Chen and Associates
Denver, CO

A Troxler moisture/density gauge was stolen at 1 p.m. from the back of a Chen Associates' truck when it was parked in a parking lot. The gauge contained approximately 9 millicuries of cesium-137 and 44 millicuries of americium-241. The gauge was not recovered.

III-86-09 04/21/86 E. I. duPont Biomedical Department
Boston, MA

At 8 p.m., three youths, ages 8-15, stole four packages containing licensed material from a truck that was being loaded at the licensee's facility in Boston, Massachusetts. The packages contained one vial of phosphorus-32 each; the activities were 1 millicurie (mCi), 1 mCi, 0.5 mCi, and 0.25 mCi. The youths ran down the street, opening the packages as they ran. One package was dropped in the street and was recovered intact. A second package was opened in a paved vacant lot and the vial broken. A small amount of contamination resulted, which was cleaned up. The remaining boxes were taken to a housing project one block away, and the two vials were dropped from the roof. The vials did not break, and no contamination resulted. Individuals at the project alerted the police, and the youths were apprehended. Licensee personnel surveyed the youths and all other persons involved in the incident. All stolen material was recovered. No personnel contamination was found.

III-86-10 05/02/86 E. R. Squibb & Sons, Incorporated
New Brunswick, NJ

Packages containing licensed material were stolen at 5:45 a.m. from a contract carrier (Del-Med, Inc.) parked near the emergency entrance of the George Washington University Hospital, Washington, D.C. One

package held a radiopharmaceutical containing approximately 108 millicuries of iodine-131 as a 10 milliliter therapeutic oral dose. The carrier reported that the thief broke open a window in the side of the vehicle and removed the first items in reach. All other materials listed on the shipping papers carried by the driver were accounted for. The District of Columbia Radiation Control Group (DCRCG) and the police were notified. The missing packages were not found during an inspection of a three-block area in the vicinity of the truck. A press release was issued notifying the public of the missing material.

III-86-11 05/23/86 Scimed Life Systems
Plymouth, MN

A 10-millicurie polonium-210 static eliminator (3M, Model 907) which had been mounted on a threaded nozzle and used to remove static electricity from a medical product was reported lost. A physical search by the licensee and contamination surveys by the device manufacturer failed to locate the device or any contamination from its contents. It was concluded that the intact device probably had been placed in the trash and disposed of in a landfill.

III-86-12 06/06/86 Patrick Engineering
Glen Ellyn, IL

A moisture/density gauge containing a 9-millicurie cesium-137 sealed source and a 40-millicurie americium-241 sealed source was lost while transporting it to a job site in Manhattan, Illinois. The gauge was found by a passerby and given to a hazardous materials officer for the State of Illinois and subsequently retrieved by a company employee. There was not reported damage to the gauge. (Also included in Category IV as Item IV-86-01.)

III-86-13 06/11/86 Kansas University Medical Center
Kansas City, KS

The Kansas University Medical Center reported that a 5-curie cesium-137 sealed source was lost and might have been stolen. The source, originally received from the Bendix Corporation under a DOE contract in 1972, was believed to have been misplaced in September 1985. The licensee was unable to develop much information relative to tracing the source as many of the staff had left the Medical Center since 1972. All investigations have ceased, and no further activity to locate the source is contemplated.

III-86-14 07/02/86 Perry
Cleveland Electric Illuminating Company
Lake County, OH

On June 13, 1986, the licensee discovered that a source range monitor detector was missing. It contained .00291 grams of uranium, including .002705 grams of uranium-235 (5.85×10^{-9} curies uranium-235). The detector had been found to be defective and had been removed from the reactor core on April 20, 1986, before initial criticality. The

detector had not been irradiated and did not pose an external exposure concern. After an extensive search for the detector, the licensee notified Region III of the loss. The licensee believed that the detector had been inadvertently discarded into the trash.

III-86-15 07/08/86 Packard Instrument Company
Downers Grove, IL

A liquid scintillation counter and a 130 microcurie americium-241 sealed source were packaged approximately June 9, 1986, by a licensee representative at a Bristol-Myers facility in Houston, Texas, for shipment to another Bristol-Myers facility in Connecticut. The licensee was notified that the LSC arrived in Connecticut, but that the source was not in the shipment. The licensee initiated efforts to find the source with negative results.

III-86-16 07/23/86 University of Alabama
Birmingham, AL

The University of Alabama (Birmingham) reported that a package containing an order of 40 iodine-125 seeds used in medical therapy procedures, when inventoried, showed only 39 seeds. The shipment was from Minnesota Mining and Manufacturing Company (3M). The package was sealed and in good condition upon receipt. A radiation survey of the receiving area and the packing material failed to locate the "missing" seed. The 3M Radiation Safety Officer was notified by the Region III office the same day. 3M investigated and found the missing seed.

III-86-17 08/12/86 Abbott Laboratories
North Chicago, IL

The licensee reported that a package containing 1.0 millicuries of phosphorus-32 had been lost and was believed to have been buried in a nearby refuse landfill. The material--in the form of a soluble salt--was in a small glass vial, which was packaged in a small box. The box had been left unattended in a hallway at the licensee's facility. It apparently was removed from the hallway as trash and taken with other trash from the licensee's facility to a landfill at Zion, Illinois. Refuse at the landfill was covered with soil.

Phosphorus-32 is a beta emitter with a half life of 14 days. As such, once covered with soil, the material would not be able to be located by its radiation. A vial containing 1.0 millicurie would have a radiation level of 300 millirads per hour at a distance of 1 centimeter. Buried with other refuse and covered with soil, the material would not represent a health or environmental hazard.

III-86-18 08/19/86 Barry L. Moore and Associates
Baton Rouge, LA

The Louisiana Department of Environmental Quality, Nuclear Energy Division (DEQ/NED) notified Region IV that a Troxler moisture/density

gauge was stolen from a truck which had been left unattended on the side of the road after an accident. The licensee informed the State Police that the gauge was missing. The Troxler moisture/density gauge contained approximately 8 millicuries of cesium-137 and 44 millicuries of americium-241. On August 26, 1986, as a result of an anonymous call, the gauge was found undamaged on a road.

III-86-19 08/25/86 University of Wisconsin
 05/05/87 Madison, WI

The licensee notified Region III that 7 iridium-192 seed were missing. Each seed contained .5 millicuries. All had been implanted into pigs on June 26-27, 1986. The pigs were sacrificed on August 22, 1986, and at that time, it was noted that the seeds were unaccounted for. The licensee believed that the seeds were dislodged from the pigs and washed down the sanitary sewer. The licensee monitored the sewer lines and did not find the seeds. Radiation levels at 3 feet from a .5 millicurie seed would measure approximately .25 millirem/hour. On May 5, 1987, an Order Imposing a Civil Penalty in the amount of \$1,250 was issued based on a failure to conduct appropriate radiological surveys during the course of an experiment and the loss of licensed material.

III-86-20 08/30- St. Francis Hospital
 09/05/86 Evanston, IL

The licensee reported the loss of a tiny plastic tube containing 10 iridium-192 seeds. The lost tube was among 17 implanted into a patient on August 17, 1986, during a brachytherapy treatment. The seeds were removed August 30, 1986, but because of the Labor Day holiday, an inventory was not conducted until September 2, 1986, when the one tube was discovered missing. The licensee conducted a search of the area and concluded that the seeds had been discarded in the trash. The radiation level at one meter from the seeds would be about 2 millirem per hour.

III-86-21 09/16/86 Siemens Gammasonics
 Chicago, IL

At 4:30 p.m., a tool box containing radioactive material was stolen from a field service engineer of Siemens Gammasonics. The tool box, which was in an automobile parked in a parking lot in Philadelphia, Pennsylvania, contained three instrument check sources--a 2-millicurie americium-241 sealed source and two cobalt-57 sealed sources of 236 and 27 microcuries, respectively. The dose rate of all sources combined was approximately 1 milligram per hour at a distance of one foot and, therefore, would not present a health or safety risk unless an individual was in close proximity to the sources for a long period of time. The material has not been found.

III-86-22 09/25/86 Dresser Industries
Houston, TX

A routine inventory disclosed a missing sealed source. The 4.5 curie americium-241 source was supposed to have been stored at either of the licensee's field offices at Ardmore or Yukon, Oklahoma. The licensee repeated the inventory checks at these and other licensee field offices with negative results.

III-86-23 09/30/86- U.S. Department of Agriculture
10/09/86 Soil Conservation Service
Fulton, MS

The U.S. Department of Agriculture informed the State of Mississippi that a Soil Conservation Service warehouse in Fulton, Mississippi, was broken into during the period of September 30-October 6. Among items taken was a Troxler moisture/density gauge containing an 11.2-millicurie americium-beryllium source. The source was locked and was not easily accessible. If the source had been extricated by force, the radiation level from the unshielded source at 100 centimeters would have been only 0.1 mr/hr., which would not have posed a significant health hazard. Mississippi authorities agreed to alert the operator of a nearby landfill and area scrap dealers (about eight) in a 30-mile radius about the missing gauge. On October 9, 1986, State of Mississippi authorities informed Region II that the gauge had been found and had been returned to the Department of Agriculture.

III-86-24 10/03/86 Florida Steel
Tampa, FL

Florida Steel advised the State of Florida that it had found radioactive material in an incoming shipment. As a matter of policy, Florida Steel routinely monitored both incoming and outgoing products for radioactivity. In conjunction with the state, Florida Steel determined that the radioactivity was emanating from a small piece of metal. The state took possession of this metal and analyzed it. Preliminary results indicated that the object appeared to be a strontium/yttrium beta-emitting source. A radiation level of 800 millirem per hour was measured on contact with the source. The state amended Florida Steel's license to permit possession of this material.

III-86-25 10/12/86 Metcor, Incorporated
Passaic, NJ

At 3 a.m., in Clifton, New Jersey, a package fell off a Metcor truck transporting a shipment of radiopharmaceuticals from Mallincrodt, Incorporated, Maryland Heights, Missouri, to the Lewistown Hospital, Lewistown, Pennsylvania. A motorist saw the package fall, retrieved it, took it home and turned it over to the local police later that day. The New Jersey Department of Environmental Protection surveyed the package and the area where it fell

and determined that no leakage of the radioactive contents had occurred. The package contained five 100-microcurie and ten 50-microcurie doses of iodine-131 and one six-millicurie dose of gallium-67. The package was returned to Mallinckrodt the next day. (Also included in Category IV as Item IV-86-02.)

III-86-26 10/17/86- Browns Ferry
 1/14/87 Tennessee Valley Authority
 Limestone County, AL

On October 17, 1986, the licensee reported a fuel loading chamber loss of 10 grams of special nuclear material (SNM). On January 14, 1987, the licensee reported the results of a follow-up inventory which encompassed the entire history of the plant. Four traveling in-core probe (TIP) detectors and nine source range monitors (SRM)/intermediate range monitor (IRM) detectors could not be accounted for and were considered to have been previously shipped as radwaste. The SNM content of these detectors was:

TIPs = .001 gram each
SRMs = .003 gram each
IRM = .001 gram each

III-86-27 10/21/86 Alabama Highway Department
 Winfield, AL

The Alabama Department of Public Health notified Region II that a radioactive moisture/density gauge was stolen from the Alabama Highway Department sometime over the past weekend from a location in Winfield, Alabama. The gauge, made by Campbell Pacific Nuclear Corporation, was in an aluminum and steel shell 14 by 9.5 by 24 inches. The radioactive source was sealed in one end of a rod, which was locked in the storage position, by an integral key lock, until ready for use. The shell of the device was marked with a radiation symbol and the words, "Caution, Radioactive Material." It contained 10 millicuries of cesium-137 and 50 millicuries of americium-beryllium. The State of Alabama issued a news release asking anyone who found the gauge to stay five feet away from it and to notify local law enforcement officials or the Radiological Health Branch of the Alabama Department of Public Health.

III-86-28 10/24/86 Sequoyah
 Tennessee Valley Authority
 Hamilton County, TN

Tennessee Valley Authority (TVA) notified Region II that it could not determine the exact location of 11 of 23 in-core detectors which had been withdrawn from the core and placed with radioactive waste at Sequoyah since 1980. The detectors each contained 4 milligrams of high enriched uranium-235. TVA believed the detectors were in the on-site radioactive waste area.

III-86-29 11/30/86 O'Brien and Associates, Incorporated
Arlington Heights, IL

At 7 a.m., an employee discovered a moisture/density gauge (Campbell-Pacific Model MC/2) had been stolen from a construction trailer at the United Airlines Terminal 1 construction staging area, O'Hare International Airport, Chicago. The trailer door had been forced open and the gauge containing two sealed sources--10 millicuries of cesium-137 and 50 millicuries of americium-241--was missing along with the gauge's bright orange and plastic storage case. The gauge and storage case were last seen by an employee at about 3:30 p.m., October 31, 1986. The licensee reported the theft to United Airlines Security, the Chicago Police Department, and the Illinois Department of Nuclear Safety. Pictures of the gauge also were posted at the construction site, with a warning about the hazards of radiation. The gauge has not been found.

III-86-30 11/07/86- LTV Steel Company
08/10/87 TX

The licensee reported five sealed sources missing. The sources were a part of a consignment for disposal by the vendor, Texas Nuclear. After the waste was disposed of, a comparison of a computer-generated inventory by Texas Nuclear with the original records from LTV Steel Company failed to show the five sources. These sources were listed by LTV as one americium-241 (14 millicuries); two cobalt-60 (5 millicuries each); and two thallium-104 (14 microcuries, .03 microcuries). An unsuccessful search was conducted for the sources. On August 10, 1987, the licensee was fined \$2,000 for (1) failure to maintain licensed material under constant surveillance and control and (2) multiple failures to inventory licensed material every six months, as required.

III-86-31 11/8-9/86 U.S. Testing
State of California

An industrial radiographer truck was stolen from U.S. Testing, a State of California licensee. The truck contained a 74-curie iridium-192 source locked inside of a shielded industrial radiography camera, which, in turn, was locked inside a darkroom mounted on the truck. Since the event related to materials held under the authority of a State of California license, the matter was referred to the State of California for investigation and resolution. The truck with source was recovered within a week. (Also included in Category IV as Item IV-86-03.)

III-86-32 11/12/86 Minnesota Mining and Manufacturing Company
MN

An airplane shipment containing 67 seeds of iodine-125 (total 615 millicuries) did not arrive in London, as expected, after transfer from Frankfurt, Germany, on October 18, 1986. The package had originally been shipped by the licensee from the United States and



The licensee called Region II on November 14 to report that one of his pickup trucks with a Campbell-Pacific moisture/density gauge bolted to the truck bed had been stolen. The truck was recovered, but the gauge was missing. These gauges typically contain 10 millicuries of cesium-137 and 40 millicuries of americium-241. The licensee initiated radio and TV coverage in an attempt to recover the gauge. On November 17, 1986, the Puerto Rico Health Department notified Region II that the gauge had been recovered. (Also included in Category IV as Item IV-86-05.)

The Indiana Board of Health notified Region III that it was storing a sealed iodine-125 radiation source which had been found in a rental car on November 30, 1986, at the Indianapolis Airport by a car rental company employee. Radiation survey by the Indiana University Medical Center radiation safety officer showed radiation levels at the surface of the source container to be approximately background, and leak testing showed no evidence of leakage. A label on the source container indicated it was a Norland Instruments source with an activity level of approximately 33 millicuries at the time of loss. The licensee believed that the source had been used by a Norland employee during installation of a bone mineral analyzer in the Indianapolis area. The licensee arranged the return of the source. (Also included in Category IV as Item IV-86-06).

At 8 p.m., on December 17, 1986, four spent molybdenum-99/technetium-99 generators were reported stolen from the carrier's light van while it was parked at the driver's residence in Philadelphia, Pennsylvania. The generators were picked up on December 16 from users in the Philadelphia vicinity and Folcroft, Pennsylvania, and were en route to Del-Med's warehouse facility in South Plainfield, New Jersey, to await transport to Mallinckrodt, Incorporated, in St. Louis, Missouri. The generators were described as Ultra-Technekow FM models having residual activity, on December 16, 1986, of 260, 260, and 190, and 140 millicuries, respectively, principally molybdenum-99. At about 2 p.m., three of the generators were found in a Philadelphia residential area by the Philadelphia Police Department. Region I inspectors identified no abnormal radiation or contamination. A representative from Mallinckrodt took possession of the generators and took them to the Folcroft facility. One of the generators is still missing. A press release was issued to the public.



III-87-01 01/08/87 Mallinckrodt, Incorporated
2703 Wagner Place
Maryland Heights, MO

Two vials of iodine-125, believed to have been stolen from the Veterans Administration, were recovered by the St. Louis Police Department. The vials were assayed and found to contain less than 0.01 microcuries each (exempt quantity of iodine-125 is one microcurie). An individual was arrested and charged with the possession of drugs and "hazardous material."

III-87-02 01/14/87 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

The licensee inventory revealed a missing sealed source of 23 milligrams of 92% enriched material.

III-87-03 01/21/87 Virginia Highway Department
Richmond, VA

A Troxler Model 3411B moisture/density gauge containing 40 millicuries of americium-241 and 8 millicuries of cesium-137 sources was stolen from a locked construction building in Richmond, Virginia. The gauge was locked in the shielded position and chained to a bolted storage rack. The thief cut the chain and also stole a pickup truck. The Highway Department issued a media release and notified the Virginia Health Department.

III-87-04 01/23/87 Indian Point
Consolidated Edison Company
Westchester County, NY

The licensee inventory of special nuclear material (SNM) accounted for all SNM except four fission chambers. Two fission chambers were for Unit 1 and contained 1.5 grams of U-235 each. Two were for Unit 2 and contained 5 grams of U-235 each. The previous inventory of September 10, 1986, did not identify any missing SNM. The licensee searched for the fission chambers with negative results.

III-87-05 01/23-02/06/87 Kahn's and Company
Cincinnati, OH

On January 23, 1987, the licensee reported that it was unable to locate a gauge containing cesium-137 sealed sources, discovered missing on November 7, 1986. On February 6, 1987, the licensee found the missing gauge in a locked storage room at the licensee's facility. It was in a safe condition, with its shutter closed.

III-87-06 03/10/87 Lixi, Incorporated
1438 Brook Drive
Downers Grove, IL

A Lixiscope, a hand-held 6 1/2 pound portable imaging device containing a 52-millicurie iodine-125 sealed source, was stolen from a licensee sales representative's locked vehicle while the car was parked in Milwaukee, Wisconsin. The source was padlocked in its shielded position. The device does not represent a safety hazard unless it is tampered with and the source exposed or breached. The Milwaukee police were notified and they issued a news announcement to alert the public of the missing device and its potential hazard. (Also included in Category IV as Item IV-87-03.)

III-87-07 03/16/87 State of Florida
Peninsula Engineering and Testing
Gainesville, FL

A Troxler Model 3411-B moisture/density gauge containing 8 millicuries of cesium-137 and 40 millicuries of americium-241 was stolen from a Florida licensee's pickup truck in Ocala, Florida. The device was stored inside the shipping case, and the source rod was locked in an off position. The incident was reported by the licensee to the local police authorities. (Also included in Category IV as Item IV-87-04.)

III-87-08 03/16/87 State of Louisiana
Citco Petroleum Corporation
Lake Charles, LA

During an annual inventory, a level detector source (140 millicuries of cesium-137) was found to be missing from a coking oven. The 3/4- by 2-inch source had broken away from the wall of the oven and was presumed to have gone out with the coke product by conveyor belt and train car. Exposure to personnel appeared to be highly unlikely as mechanical handling equipment is used for movement of coke. Louisiana inspectors surveyed the loading docks, the conveyor system, and the coke storage piles with negative results.

III-87-09 04/01/87 St. Francis Hospital
Evanston, IL

Two pacemakers removed from patients in 1980 were not returned to the vendor and have not been located. The two missing pacemakers, each powered by 2.5 curies of plutonium 238 as a sealed source, are presumed to be buried in a sanitary landfill.

III-87-10 04/29/87 Department of the Air Force
Kirtland Air Force Base
Albuquerque, NM

A loss of approximately 0.25 pounds of thorium oxide was detected at Kirtland Air Force Base. The thorium was mixed with soil and

placed on and in the proximity of shell casings on a training range to simulate alpha contamination spread near an undetonated nuclear device. Two casings, probably contaminated with the radioactive soil, were missing and believed to be stolen. The licensee contacted metals dealers to attempt recovery of the casings with negative results.

III-87-11 05/26/87 State of Louisiana
 Owensky-Kritikos
 New Orleans, LA

During radiographic operations in the Gulf of Mexico, a 60-curie iridium-192 source separated from a radiography camera and dropped from a platform into 300 feet of water. There were no overexposures or recovery attempts.

III-87-12 11/30/86 Kermit Butcher
 04/20/87 Elkins, WV

Between November 30, 1986 and April 20, 1987, a Troxler Model 3411B moisture/density gauge containing two sealed sources was stolen from an unlocked building. The theft was identified on April 20, 1987. The gauge was not recovered.

III-87-13 06/02/87 University of Michigan
 Radiation Control Service
 1101 North University Building
 Ann Arbor, MI

A nuclear pacemaker containing 250 milligrams of plutonium 238 which was removed from a patient in June 1978 has not been located. The radiation staff was not made aware of the removal until June 2, 1987. The licensee conducted a search of the facility, interviewed personnel involved with the 1978 removal of the device, reviewed records, and contacted the manufacturer of the pacemaker who would normally receive the used pacemaker for disposal with negative results.

III-87-14 06/04/87 State of California
 Texaco
 CA

At 9 p.m., a Gamma Century 100 radiographic exposure device containing 42 curies of iridium-192 as a sealed source was accidentally dropped over the side of a platform, approximately eight miles off the California coast, into approximately 700 feet of water. A recovery operation was not feasible because of poor diving conditions in the area of the San Andreas fault.

III-87-15 06/12-13/87 ATEC Associates of Virginia
 Alexandria, VA

Between the evening of June 12 and the morning of June 13, a Troxler 3411B moisture/density gauge containing 8 millicuries of

cesium-137 and 40 millicuries of americium-241-beryllium was stolen from a construction site in Oakton, Virginia. The source rod was not locked. The dose rate from the gauge when shielded is about 15 mrem/hr., but about 25 rem/hr. at 1 centimeter from the tip of the extended source rod. The Fairfax County Sheriff was notified by the licensee, and the local media correspondents were asked to publicize precautions for anyone finding the gauge. On September 21, 1987, the licensee paid a Civil Penalty in the amount of \$400.

III-87-16 06/20/87 Jewish Hospital
3200 Burnett Avenue
Cincinnati, OH

A catheter containing three iodine-125 radioactive seeds was discovered missing from a storage site in the hospital's brachytherapy room when the licensee sought to decontaminate the viral bacteria from a total of 20 seeds that were removed from a patient on June 11, 1987. The seeds measure .8 millimeter high by 4.5 millimeters long. Each seed contains one millicurie of iodine-125, with a dose rate of 1.14 rem per millicurie at one centimeter. The seeds could cause significant exposures if held in direct contact with the skin for an extended period of time. The licensee surveyed the hospital surgery room, the laundry, and the pathology lab, but could not locate the three seeds. The licensee stated the seeds were probably disposed of at a land burial site or the metropolitan sanitary system.

III-87-17 06/24/87 Mead Corporation
Dayton, OH

Four static eliminator bars, each bar measuring 45 inches in length and containing 16 millicuries of americium-241 as a foil source, were reported lost. The bars were last accounted for in 1979. Accountability checks and physical radiation surveys at the licensee's plant failed to locate the missing bars. The licensee stated that some or all of the bars may have been disposed of via a local salvage yard. A search, using radiation detection equipment, was conducted at the salvage facility by the licensee with negative results.

III-87-18 06/24/87 Madison Osteoporosis Center
20 South Park Street
Suite 302
Madison, WI

Eleven millicuries of iodine-125, in a sealed form and inside a brass holder used by the licensee in a bone mineral analyzer, were reported lost. The licensee believed the material was accidentally disposed of as trash and sent to the Dane County landfill near Madison, Wisconsin. The State of Wisconsin Radiological Safety Division conducted radiation surveys at the landfill with negative results.

III-87-19 07/06/87 State of North Carolina
Western Carolina University
Cullowhee, NC

A "beta" light source consisting of 25 curies of hydrogen-3 gas sealed inside a borosilicate glass tube was reported stolen from an "exit" light installed at the Western Carolina University, Cullowhee, North Carolina. The source tube is not considered to be an external radiation hazard unless broken. The University conducted an investigation with negative results.

III-87-20 07/16/87 U.S. Air Force
Wright-Patterson Air Force Base, OH

During a sealed source inventory, a 100-millicurie plutonium-beryllium source, believed to be in storage, could not be located. The Air Force suspected that the source may have been returned to the Department of Energy. The source is known to be stored in a shielded can, approximately one gallon in size. A records check and search for the source were conducted with negative results.

III-87-21 07/17/87 State of Ohio
Mobile Inspection Services, Incorporated
2104 River Road
Mansfield, OH

A radiation source containing 24.7 curies of irridium-192 was found along the side of Route 95 near Mansfield, Ohio. The shipping papers indicated that it was owned by Mobile Inspection Services, Inc. and was being shipped by truck to Amersham Technical Services, Burlington, Massachusetts. Apparently the shipping company lost the container during transit. The Ohio Disaster Services Agency took possession of the device and returned it to the owner. (Also included in Category IV as Item IV-87-07.)

III-87-22 07/22/87 Troxler Electronic Labs., Incorporated
Research Triangle Park, NC

A Troxler Model 3411B moisture/density gauge, Serial #14240, containing 8 millicuries of cesium-137 and 40 millicuries of americium-241-beryllium was declared lost in transit during a shipment from the factory in North Carolina to a District of Columbia customer. A search was conducted with negative results. (Also included in Category IV as Item IV-87-08.)

III-87-23 07/28/87 State of Maryland

At 7:30 p.m., a Lixiscope, a portable fluoroscopic imaging device containing 62 millicuries of iodine-125, was stolen from the front seat of a licensee's vehicle, parked at a county club in Rockville, Maryland. The device was in its locked aluminum case. The police were notified and, in coordination with the State radiation control staff, issued a public announcement concerning the device. (Also included in Category IV as Item IV-87-09.)

III-87-24 07/30/87 Department of the Interior
Geological Survey, Western Region
CA

Eighteen glass bottles, each containing 100 microcuries of carbon-14, were accidentally lost in Mono Lake, located between Yosemite National Park and the California/Nevada border. The bottles contained lake-water samples which were incubating at various depths in the lake. They were secured with threaded glass stoppers wrapped with duct tape and placed on trays suspended on a one-sixteenth inch diameter stainless steel cable. When the samples were lowered into the lake, the cable snapped, and the samples dropped to the bottom of the lake at a depth of approximately 25 meters. No attempt was made to retrieve the bottles due to the caustic nature of the water at that point in the lake (pH of 9.8) and because the lake bottom is composed of loosely-packed layers of sediment. The licensee notified the State of California Radiological Health Branch.

III-87-25 08/06/87 Professional Service Industries, Inc.
Oak Brook, IL

Between 4:30 and 5:30 p.m., a soil density/moisture gauge containing 8 millicuries of cesium-137 and 50 millicuries of americium-241 in sealed sources was stolen from the back of a pickup truck while it was parked outside a restaurant near Findley, Ohio. The transport case containing the gauge was not secured to the vehicle, and the gauge itself was not locked to prevent extension of the rod containing the radioactive sources. The gauge and case were both marked as containing radioactive material. The radiation level at a point 12 centimeters from the surface of the gauge would be 13 millirem per hour with a probe in the closed position. The device would represent a significant hazard only if it were tampered with and the sources exposed. The police and local media were notified. A civil penalty of \$2,250 was paid on October 26, 1987. (Also included in Category IV as Item IV-87-10.)

III-87-26 08/07/87 Milton S. Hersey Medical Center
Hershey, PA

Five iridium-192 seeds encased in a nylon ribbon, with a total activity level of 2 millicuries, removed from a patient and placed in the storage room on July 9, 1987, were discovered missing when the required quarterly inventory of brachytherapy sources was performed. The hospital radiation staff surveyed the entire hospital with sensitive radiation survey instruments, without finding the missing sources. The calculated dose rate at one foot from the seeds is 10 milliroentgen per hour. Iridium-192 has a 74 day half-life. Therefore, the lost seeds would cause harm to an individual only if the seeds were held in direct contact with a portion of the individual's body for an extended period of time.

III-87-27 08/11-12/87 Veterans Administration Medical Center
West Haven, CT

Eleven iridium-192 seeds encased in a nylon ribbon, with a total activity of 11 millicuries, used in a therapeutic implant of a patient's cheek, were reported lost. The patient said he removed the implant the night of August 10, 1987, and threw it on the floor. One of the nurses who had been on duty remembered seeing a piece of plastic on the floor, which she picked up and threw in the trash. A radiation survey of the facility was performed by two inspectors from the Connecticut Department of Environmental Protection (DEP), which had been alerted by the licensee. At 1:30 p.m., on August 12, 1987, the seeds were found in the licensee's normal trash dumpster.

III-87-28 08/28/87 Upjohn Company
7000 Portage Rd
Kalamazoo, MI

A general licensed gas chromatograph unit containing a 2-millicurie nickel-63 source was reported missing during a routine inventory. The licensee conducted a search of all use and storage areas with negative results.

III-87-29 09/05-06/87 Soil and Material Engineers, Incorporated
3109 Spring Forest Road
Raleigh, NC

On September 5, 1987, thieves broke a window and stole a moisture/density gauge containing sealed sources of 10 millicuries of cesium-137 and 40 millicuries of americium-241-beryllium from the passenger compartment of a locked company pickup truck in Hamilton, Ohio. The gauge, with the sources locked in the shielded position, was in its carrying case. The licensee reported the theft to the local police. There was local broadcast and newspaper coverage of the theft. On September 6, 1987, the Hamilton police received an anonymous tip and recovered the gauge intact, with no damage and no abnormal radiation levels. (Also included in Category IV as Item IV-87-12.)

III-87-30 09/09-10/87 New Jersey State Police
Hammonton Barracks and
Atlantic City Expressway
Maintenance Facility
Hammonton, NJ

On September 9, 1987, road maintenance workers on the Atlantic City Expressway found a generally licensed luminous exit sign labelled as radioactive and containing 15 curies of tritium. On September 10, 1987, a Region I inspector went to the New Jersey State Police Hammonton Barracks and retrieved the device. Subsequently, tritium contamination was found in the Region I office where the sign was stored, and individuals who handled the sign were found to have small body burdens. The Region I office, the transport vehicle

and the New Jersey Police Barracks were decontaminated. Tests of 14 police and maintenance workers indicated three individuals had body uptake which would result in a lifetime commitment of 10 millirem.

III-87-31 10/09-10/87 Edwards Pipeline Testing Company
205 S. Gillette Avenue
Tulsa, OK

On October 9, 1987, a radiography camera containing 225 millicuries of cesium-137 was lost in Arkansas. On October 10, 1987, a citizen found the camera and notified County officials who recovered the camera/source intact.

III-87-32 10/19/87 John F. Kennedy Medical Center
James Street
Edison, NJ

On October 19, 1987, three 0.5-millicurie iodine-125 seeds, formerly used for therapeutic patient implants, were reported missing. On October 20, 1987, the licensee recovered the seeds from the normal trash.

III-87-33 10/19/87 Materials Engineering Testing Service
State Highway 72 and Chestnut Avenue
Berlin, NJ

At 6:30 a.m., a Campbell Pacific Nuclear Model MC moisture/density gauge containing approximately 10 millicuries of cesium-137 and 50 millicuries of americium-241 was discovered to be stolen from a locked automobile, parked outside the employee's home in Philadelphia. The gauge, in a 1' x 1' x 2.5' case labelled with a Department of Transportation yellow 11 (caution) label, posed no problem to the public if the gauge remained intact. A press release was issued. (Also included in Category IV Item IV-87-13.)

III-87-34 10/20/87 Rutgers State University
Radiation and Environmental Health and Safety
Kilmer Building 4127
Piscataway, NJ

The licensee reported that 0.5 millicurie of phosphorous-32, contained in a liter of liquid waste in a 5-gallon plastic carboy labelled "Caution Radioactive Material," was missing from the Newark, New Jersey campus, where it had been housed with other radioactive containers. The licensee speculated that a researcher who needed the carboy may have dumped the phosphorus down the sink and taken the carboy to his laboratory. The remaining waste containers have been secured with a barrier.

III-87-35 11/16/87 Prestige Vacuum Forming Division
Holland, MI

On November 16, 1987, a static eliminator (air ionizer), Model 902, containing a sealed source with 10 millicuries of polonium-210 at the time of manufacture, was reported missing from the licensee's facility. On December 14, 1987, during a full maintenance shut-down of the plant, the eliminator was found.

III-87-36 11/21/87 Meyer, Tisio, and Hindo, Ltd.
01/23/88 Farmington Hills, MI

At 1 a.m., a licensee employee allegedly was forced out of his car at the outdoor drive-up station of a fast-food restaurant in Detroit by gunmen who then allegedly drove off with the car. In the trunk of the car was the licensee's Troxler moisture/density gauge, Model 3411B, containing 9 millicuries of cesium-137 and 40 millicuries of americium-241. The victim stated the source rod was in the "safe" position but not locked. The Detroit Police Department was notified. On January 23, 1988, the gauge was recovered intact when the car was found abandoned in a parking garage in Ypsilanti, Michigan. (Also included in Category IV as Item IV-87-16.)

III-87-37 12/07/87 Waterford
Louisiana Power and Light Company
St. Charles Parish, LA

At 8 a.m., personnel cleaning the warehouse found a canister labeled "caution radioactive material." The label indicated the canister contained two serialized sources: 0.2 microcurie of chlorine-36 and a 9.0-microcurie cesium-137 source, but the cesium-137 was discovered missing. The warehouse was searched using a survey instrument with negative results.

III-87-38 12/09/87 Syncor International Corporation
Ferndale, MI

At 11:45 a.m., a briefcase containing 25 millicuries of technetium, delivered to the Detroit Riverview Hospital hot lab on December 8, 1987, was discovered missing. The licensee, hospital security, and nuclear medicine personnel performed a radioactive search within the hospital with negative results.

III-87-39 12/09/87 University of Cincinnati
Cincinnati, OH

The licensee reported that a container of 3 millicuries of iodine-125 labelled "morphine," received on October 20, 1987, was

missing. The radioactive material does not pose a threat to individuals unless taken internally. The licensee conducted an investigation with negative results.

III-87-40 12/9-23/87 Schlumberger Wells Services
Lake Charles, LA

At the request of the State of Louisiana, the Department of Energy conducted an aerial search in the Lake Charles, Louisiana area for a 1.5-curie cesium-137 well-logging source, discovered missing from its shielded container. The missing source was not found. Ground-based surveys were also done by the state and licensee personnel of all known locations at which the source may have been, including an offshore drilling platform, with negative results.

III-87-41 12/15/87 Wolf Creek
01/11/88 Kansas Gas and Electric Company
Coffey County, KS

A 400-microcurie strontium/yttrium-90 check source was discovered missing during the licensee's routine semiannual technical specification source inventory and swipe test. The source has a surface dose rate (beta radiation) of approximately 10-15 rads per hour; the gamma component of this dose rate is negligible. The licensee conducted a search of power block areas and all calibration laboratory areas using visual, as well as beta and gamma sensitive radiation detectors, with negative results. The source was last physically sighted and swipe surveyed in June 1987. On January 11, 1988, the licensee determined, using an identical source, that the personnel monitors (portal) at the plant's exits would alarm if the source were to be passed through any of them. They therefore believe the source is still on-site and suspended any further search.

III-87-42 12/22/87 Mallinkrodt, Incorporated
2703 Wagner Place
Maryland Heights, MI

A molybdenum-99/technetium-99m generator, scheduled to have been delivered to a Fort Worth, Texas hospital on November 16, 1987, was reported missing. The generator was part of a shipment delivered to customers at various locations in Oklahoma and Texas by a courier service's truck. At each location, fresh generators were delivered and spent generators picked up for recycling. A search of the warehouse containing about 15,000 spent generators was conducted with negative results. On January 5, 1988, the licensee determined the generator was not delivered to the Fort Worth, Texas Hospital, as intended, and was mixed with used generators returned to the licensee and dismantled. (Also included in Category IV as Item IV-87-18.)

III-88-01 01/02/88 Mercury Delivery Service
(Transport Carrier/Mallinckrodt, Inc.)
Houston, TX

Two spent generators containing 0.2 curies and 0.26 curies of molybdenum-99, respectively, were reported stolen from a warehouse in Houston, Texas, which housed seven spent generators at the time of the theft. One of the stolen generators was taken in its shipping box, while the shipping box for the other was left behind. A Texas Bureau of Radiation inspector searched the local area around the warehouse, including dumpsters and garbage cans, with negative results.

III-88-02 01/05/88 General Cinema
St. Louis, MO

Two exit signs, each containing 12 curies of tritium (H-3) gas, were stolen. A police report was filed on January 27, 1988.

III-88-03 01/07/88 Borough of State College
State College, PA

The local radio news reported that exit signs containing tritium had been stolen from a licensee in State College, Pennsylvania. The NRC Region I office contacted the general licensee, the Borough of State College, and learned that 41 of 42 signs, each containing 25 curies of tritium, were missing from the Borough parking garage. The plastic casing of the remaining sign was broken when it was moved and stored by an employee to prevent its theft, but no radioactive contamination occurred. The police were notified of the theft, but recovery of the signs is not considered likely. They pose no health hazard under conditions of normal use.

III-88-04 01/11/88 Liqui-Box
Kansas City, MO

Two static eliminator devices, each containing 20 millicuries of polonium-210 as of February 25, 1987, could not be located. The devices were misplaced during a plant cleaning and presumed to have been removed with normal trash and sent to a landfill in Sugarcreek, Missouri. The licensee notified the manufacturer, 3M, and the State of Missouri.

III-88-05 01/15-20/88 University Hospital
Cleveland, OH

Two vials, each containing 250 microcuries of phosphorus-32 (normally used in nonhuman research for labeling compounds and detection in autoradiography), received on January 15, 1988, were delivered to another licensee's laboratory on January 18, 1988, where a researcher refused to accept the package. It was

III-88-06 01/26/88 Mold Rite Products
Waukesha, WI

III-88-07 01/28/88 Arizona Radiation Regulatory Agency
4814 South 40th Street
Phoenix, AZ

III-88-08 02/02/88 Northeastern Ohio Universities
College of Medicine
Roastown, OH

III-88-09 02/12/88 Citizen
Vernonia, OR

III-88-10 02/24/88 Montana Resources, Incorporated
Missoula, MT

An Industrial Nucleonics SH 301 density gauge, No. Cs 7011, containing a cesium-137 source, estimated at 11 millicuries, was reported lost at the licensee's Butte, Montana, milling facilities. The licensee suspects that the source was lost on the off-shift of July 15, 1987, when a section of pipe which may have contained the gauge was removed. It is theorized that the gauge was placed in a scrap dumpster and then placed in an on-site waste dump or shipped to a scrap metal dealer.

III-88-11 03/08/88 Citizen
 South Bend, IN

A citizen notified the South Bend Police Department that a cylindrical device, painted white, and labeled with the words "U.S. Army, Danger, Radioactive, NRC-Z-841," was found near a grocery store parking lot in South Bend, Indiana. The police notified the Department of Energy who, in turn, notified the NRC. Members of the Police Department and the State Hazardous Materials Group (HAZMET), which consists of civil defense, fire and explosive experts, responded to the scene. The HAZMET group surveyed the outside of the device with portable radiation survey meters and found no evidence of external radiation. The device was transported to the Police Department garage to await recovery by Army staff.

III-88-12 03/09-04/09/88 Alabama Highway Department
 Birmingham, AL

On March 9, 1988, a Model 3400 Troxler moisture/density gauge containing 10 millicuries of cesium-137 and 50 millicuries of americium-241 was reported stolen from a locked cabinet inside a locked storage building at a highway construction site. On April 9, 1988, the device was recovered, leak tested, and returned to service.

III-88-13 03/11-15/88 Soils Engineering Services, Incorporated
 20 Troy Road
 Whippany, NJ

A Troxler Model 3411 moisture/density gauge containing 10 millicuries of cesium-137 and 50 millicuries of americium-241 was stolen from the locked trunk of an employee's locked vehicle which had been stolen from the New Jersey Institute of Technology, Newark, New Jersey. On March 15, 1988, the police recovered the vehicle at Martin Luther King Boulevard and Seventh Avenue, Newark, about one mile from where it was stolen. The car had been vandalized, and the gauge was missing from the trunk which had been broken into. (Also included in Category IV as Item IV-88-07.)

III-88-14 03/14-12/31/88 Driggers Engineering Company
 Clearwater, FL

A Troxler Model 3411B moisture/density gauge containing 9 millicuries of cesium-137 and 44 millicuries of americium-241 was stolen from the licensee's locked storage/office building. The thief was arrested and prosecuted. The gauge was recovered intact. The State imposed a fine of \$500 on the licensee for not properly securing the device.

III-88-15 03/17/88 Professional Services Industries
Oak Brook, IL

A moisture/density gauge containing 10 millicuries of cesium-137 and 50 millicuries of americium-241 fell from the back of a licensee's pickup truck while in transit in Saginaw, Michigan. The gauge was not secured to the truck, nor was the device's source rod locked in the safe position. The device was found by a passing motorist who, upon hearing television and radio alerts, returned it to the licensee. On May 19, 1988, a Notice of Violation and Proposed Imposition of Civil Penalty in the amount of \$500 was issued. The licensee paid the penalty on June 17, 1988. (Also included in Category IV as Item IV-88-08.)

III-88-16 03/30/88 U. S. Department of Agriculture
Agriculture Research Center
BARC-West
Beltsville, MD

A Troxler Model 3411B portable nuclear soil moisture/density gauge, Serial No. 7174, containing 7.3 millicuries of cesium-137 and 40 millicuries of americium-241-beryllium in a sealed source form was stolen from a storage trailer at the licensee's temporary job site in Sweetwater Creek Watershed Dam, Site No. 17, near Sweetwater, Tennessee. The local media notified the general public of the theft and warned that the device contained radioactive material and should not be opened.

III-88-17 03/30/88 Southern Ohio Coal Company
Athens, OH

A Kay Ray Model 7062 industrial level gauge containing a 35-millicurie sealed cesium-137 source which had been located in a clean coal transfer station at the James Gavin Power Plant in Cheshire, Gallia County, Ohio, was discovered missing when the licensee was performing leak tests on its gauges. A Notice of Violation and Proposed Imposition of Civil Penalty in the amount of \$750 was issued on May 27, 1988, based on the licensee's failure to maintain adequate control over the device and failure to conduct a physical inventory every six months to account for the radioactive source.

III-88-18 04/22/88 Northwestern Medical Center, Incorporated
St. Albans, VT

A package containing 336 microcuries of iodine-131 contained in 10 capsules was missing from the Center. Shipping documentation indicated that this was one of three packages delivered and signed for by the nursing supervisor. She confirmed she had signed for three, but received only two packages. A search of the Medical Center was conducted with negative results. The shipper's investigation concluded that the package was not left with the courier. Hazard to the public is considered minimal

because the iodine-131 had decayed to less than 3 microcuries per capsule.

III-88-19 04/26/88 State of Texas

The State of Texas reported that a 60-millicurie cesium-137 source was found on October 16, 1987, in a scrapyard at Galena Park, Texas, and identified on April 26, 1988, as a 3M Model 4F6S, Serial #66960, manufactured by C. E. In-Val-Company of Tulsa, Oklahoma, an NRC licensee who was retired in March 1985. The State of Texas has secured the source in safe storage.

III-88-20 05/11/88 Watauga County High School
Watauga, NC

A circa 1944 Government surplus radioactive device, reported to have a radioactivity level of 45 millirem per hour on contact and 3-4 millirem per hour 1 foot from the device, was discovered at the high school during a science class demonstration utilizing radioactive measuring equipment. The State Health Department was notified and took possession of the device.

III-88-21 05/13-18/88 AT & E Consulting Company
Tampa, FL

A Campbell-Pacific, Serial #M160-567-54, soil moisture/density gauge containing 10 millicuries of cesium-137 and 50 millicuries of americium-beryllium was stolen sometime between May 13 and 15, 1988. On May 18, 1988, a private citizens recovered the gauge intact in a field near the licensee's facility and notified the State. The gauge was returned to the licensee.

III-88-22 05/18/88 Yale University
New Haven, CT

A custodian removed a package containing 500 microcuries of phosphorus-32 from the research laboratory believing it was normal trash and transported it to the dumpster. The University's Radiation Safety Staff performed surveys of the trash dumpsters, trash trucks, the drivers who removed the trash, and the custodian and her trash cart. No radioactive contamination was identified. They also performed surveys of the equipment and areas of the local landfill where trash from the University was dumped with negative results. The licensee concluded the radioactive material is buried at the landfill. It is not likely to present a hazard to the public. A Notice of Violation and Proposed Imposition of Civil Penalty in the amount of \$1,125 was issued on July 10, 1988. The penalty was paid on August 12, 1988.

III-88-23 05/20/88 Yale University
New Haven, CT

A plastic liner containing dry radioactive waste was removed from a research laboratory. The liner, in a cardboard box labeled "Caution-Radioactive Material," was half-full of potentially contaminated material and contained approximately 1 microcurie of carbon-14, 1 microcurie of iodine-125, and less than 1 microcurie of hydrogen-3. The Radiation Safety Officer believed the liner was inadvertently removed by a custodian and disposed of as normal trash.

III-88-24 05/24-25/88 Geotechnical Engineering Corporation
Roseville, MN

On May 24, 1988, a Troxler moisture/density gauge, Model No. 3411B, containing 8.3 millicuries of cesium-137 and 40 millicuries of americium-241 sealed sources fell from the back of the licensee's pickup truck somewhere near Highway 61 and Taylor Avenue, north of White Bear Lake, a suburb of St. Paul, Minnesota. The truck had traveled about 1 1/2 miles when the driver noted the loss. On May 25, 1988, a passerby found the gauge undamaged, with the source rod in the shielded position, about 5 miles from the area where the gauge was lost. Wipe tests showed no leakage of radioactive material. A civil penalty was not proposed because of the licensee's promptness and extensive action in reporting and locating the loss. (Also included in Category IV as Item IV-88-12.)

III-88-25 05/25/88 Eli Lilly and Company
Indianapolis, IN

Two vials bearing radiation warning labels and containing approximately 14.6 millicuries of carbon-14 in pharmaceutical and biochemical form were discovered missing from the laboratory. The licensee believed the vials were inadvertently disposed of during a laboratory cleanup in early May 1988 and buried in a sanitary landfill.

III-88-26 05/30/88 North Carolina A&T University
Greensboro, NC

In the course of investigating Item III-88-29 below, it was learned that another radioactive waste package was probably disposed of in an on-campus dumpster sometime during the week of May 30, 1988, and buried in a landfill. The package was not properly labeled, and the specific content was unknown.

III-88-27 05/31-06/16/88 Jefferson Smurfit/Summer
400 E. North Street
Carol Stream, ILL

A 25-microcurie source of americium-241 (head of a probe used to measure the thickness of paper during production), shipped

in a polystyrene-lined Kraft container marked "UN2982 USA DOT 7A Type A" by the Container Corporation, 2601 S. Malt Avenue, Los Angeles, California, to CCAJSC, 400 E. North Street, Carol Stream, Illinois, via Airborne Express, did not arrive as scheduled on May 31, 1988. On June 16, 1988, the package, with the air bill and destination address torn off, was found in the Chicago Airborne Express office. The container was opened and the device identified by its serial number. (Also included in Category IV as Item IV-88-13.)

III-88-28 06/01/88 Baystate Medical Center
Springfield, MA

On June 1, 1988, X-ray revealed that two gold-198 seeds, with a total activity of 9.2 millicuries, were missing out of nine gold-198 seeds permanently implanted on the floor of a patient's mouth on May 31, 1988, and verified by X-ray on the day of implantation. Suction of the patient's mouth and gastrointestinal X-ray films indicated the seeds were not in the patient. Surveys of the patient's room, surrounding areas, patient's bed linen and trash were performed, but the seeds were not located. Hazard to hospital personnel, patients, and the public was calculated to be minimal because the half-life of gold-198 is 2.7 days.

III-88-29 06/03/88 North Carolina A&T University
Greensboro, NC

A University student reported seeing a package marked as radioactive in a trash dumpster. An investigation determined that the package contained iodine-125 and that it came from the school's biology department. The package had been breached while in the dumpster, but no radiation levels in excess of 1 millirem per hour were measured. A waste consultant group performed the decontamination and cleanup.

III-88-30 06/09-08/15/88 Ford Motor Company
Dearborn, MI

On June 9, 1988, a gauge containing a 1-curie americium-241 source was discovered missing from a storage area at the licensee's VanDyke facility in Sterling Heights, Michigan, when a gauge manufacturer's representative visited the plant to perform leak testing on the device. On August 15, 1988, the licensee's corporate radiation safety officer learned of the missing gauge during an internal audit of leak testing records and reported the theft to NRC. With its shutter closed, the radiation level at the instrument's surface is 0.2 millirem per hour. Its hazard to the public is minimal if the device is not damaged or tampered with. On October 28, 1988, a Notice of Violation and Proposed Imposition of Civil Penalty in the amount of \$500 was issued. The penalty was paid on November 23, 1988.

III-88-31 06/15/88 Department of the Army
U. S. Army Armament Material Readiness Command
Rock Island, IL

Twenty-seven sealed sources, each containing between .075 and 3.0 curies of tritium (hydrogen 3) in gaseous form, were reported missing from weapons level vials and sighting devices returned for repair from various military bases to the Letterkenny Army Depot in Chambersburg, Pennsylvania. The external radiation from these devices is not considered to be a major health and safety hazard; however, if the source were broken and the gas released, it could cause contamination problems.

III-88-32 06/29/88 Private Residence
Woodlynn, NJ

Two "Navy deck markers," each measuring 1.5 inches by 1 inch, labeled "U.S. Radium Corp. Sr-90 Sulfate 9-55," were found by a resident while digging in the ground at his residence. Radiation measurements of one of the objects indicated about 5 millirem per hour at contact. Surveys concluded that no other similar objects were present.

III-88-33 07/15/88 Big Rock Point
Consumers Power Company
Charlevoix County, MI

A fission chamber containing 2 grams of nonfuel special nuclear material was discovered missing when the licensee was performing an audit of SNM records. The curie content was calculated to be 4 microcurie of U-235 and .05 microcurie of U-238. It was speculated that the fission chamber was discarded during a general cleanup of the reactor deck in 1985 and sent to a disposal facility for burial. Plant status: Operational. Fuel present at site.

III-88-34 07/21/88 National Institutes of Health (NIH)
Raleigh, North Carolina

A shipment containing 1 millicurie of phosphorus-32 shipped by Amersham Corporation, Chicago, Illinois, via Emery Express, to the National Institutes of Health, Raleigh, North Carolina, was not accepted by NIH because the dry ice packing media had melted. An Emery clerk was unsuccessful in obtaining instructions on what to do with the rejected package and threw it into a trash dumpster. The dumpster was subsequently picked up and the contents disposed of in a local landfill. The State noted NIH did not follow standard procedures of accepting the package and then notifying the shipper of the damage, apparently the result of miscommunication involving new employees. Corrective action was taken. The State is reasonably certain that the integrity of the package was not breached, and the material was left at the landfill.

III-88-35 08/04/88 National Institutes of Health
Bethesda, MD

During a routine physical inventory of sealed radioactive sources, a calibration reference source containing 0.88 millicurie of cesium-137 was discovered missing. An advisory was issued to all employees on the licensee's Bethesda campus. Prolonged exposure at close contact to this quantity of radioactive material could result in localized burns.

III-88-36 08/11/88 Testing Engineers
827 Arnold Drive, Suite 140
Martinez, CA

A Campbell Pacific Nuclear Model MC-1 moisture/density gauge, Serial No. 19032668, containing 10 millicuries of cesium-137 and 50 millicuries of americium-241-beryllium sealed sources was stolen during a burglary of a garage in Pleasant Hill, California, where the gauge had been stored in a locked shipping container. The sources combined read approximately 0.5 millirem per hour at one meter from the closed shipping container. A search of the local area was conducted with negative results.

III-88-37 08/15/88 Washington Hospital Center
Washington, D. C.

On August 15, 1988, during a routine patient followup, a licensee representative learned of the death of the patient and a missing Coratomic Model C-101 pacemaker containing 250 milligrams of plutonium-238. The pacemaker had been explanted from a deceased patient by the attending funeral home in Florida on May 27, 1988, and mailed to the patient's cardiologist in Washington, D. C., the week of June 13, 1988. The cardiologist's office, adjoining the Washington Hospital Center, boxed the device and sent it to the cardiology department of the Washington Hospital Center by interoffice mail the week of June 20, 1988. The licensee conducted surveys and interviewed personnel in an effort to locate the device with negative results. The source is not a health and safety hazard.

III-88-38 08/15-9/14/88 E. R. Squibb and Sons, Incorporated
New Brunswick, NJ

A package containing a therapy dose of 5.61 millicurie of iodine-131 in capsule form, shipped by Federal Express to a hospital in Odessa, Texas, was lost in transit. The Federal Express notified the Department of Transportation and conducted an investigation. On September 14, 1988, the package was located. (Also included in Category IV as Item IV-88-17.)

III-88-39 08/17/88 Testing Engineers and Consultants, Incorporated
1333 Rochester Road
Troy, MI

An employee discovered a Troxler moisture/density gauge containing two sealed sources, 10 millicuries of cesium-137 and 50 millicuries of americium-241, had been stolen from a construction trailer at a job site in Huron Township, Michigan. The device was in its plastic storage case. The radiation level at the surface of the case was less than 18 milliroentgens per hour.

III-88-40 08/22/88 State of New Mexico

At 8 a.m., a metal cylinder, 18 inches long and about a quarter-inch thick, bearing a radiation warning label and the wording "Curium-242" and "3,300 cg," was found lying amid a yellowish-green gelatinous substance in the street gutter of an intersection in downtown Roswell, New Mexico. One end of the container was welded shut, but the other end was uncapped. Surveys disclosed no radioactivity either on the container surface or from the gelatinous substance. The Roswell Fire Department assumed custody of the device.

III-88-41 08/25/88 Welex Company
TX

Two well-logging sources containing 18.5 curies of americium-beryllium and 1.5 curies of cesium-137 were reported stuck 11,525 feet down offshore of Louisiana. The sources are not a threat to personnel.

III-88-42 09/07/88 Roswell Park Memorial Hospital
Buffalo, NY

Two capsules, each containing 0.5 millicuries of iodine-131, shipped to Roswell Park Memorial Hospital from E. R. Squibb and Sons on September 7, 1988, were reported missing. An investigation conducted by Region I and the State of New York concluded that the capsules may have been inadvertently disposed of with the shipping package.

III-88-43 09/16/88 E and D Paving
Anderson, IN

A Troxler moisture/density gauge, Model 3440A, S/N 15614, containing 10 millicuries of cesium-137 and 40 millicuries of americium-241 was stolen from a locked trailer at a temporary job site in Indianapolis, Indiana. The gauge source, locked in its shielded position, was in a locked storage case which was labeled as containing radioactive material. The licensee notified the local sheriff's department, the gauge manufacturer, and the State of Indiana Board of Health who issued a press release.

III-88-44 09/20-22/88 Berthold Systems
Sewickley, PA

A stainless steel rod, 3/8 inch in diameter and approximately 10 inches long, containing a 2-millicurie cobalt-60 sealed source was reported lost during transport from Germany. The source rod is identified with a small label containing the radiation symbol and the word "RADIOACTIVE" with the European colors of white and purple and inscribed with "Cobalt-60, 2 millicuries, Serial Number 1837-7-88." The dose rates from the source are 3.8 millirem per hour at a distance of 1 meter and 174 millirem per hour at a distance of 10 centimeters. The New York State inspectors conducted a physical search and radiological survey of Lufthansa's cargo handling facility at JFK Airport in New York City and located the missing device. On September 22, 1988, the licensee retrieved the source, intact and undamaged. (Also included in Category IV as Item IV-88-19.)

III-88-45 09/20-22/88 Trainer Surveys, Inc.
Shreveport, LA

The Louisiana Nuclear Energy Division reported a lost 3-curie americium-beryllium well-logging source measuring 1 1/4 inches in diameter by 5 1/4 inches in length. The source was last used at a field site near Shreveport on September 20, 1988. It is believed that the source was inadvertently left on the rear bed of the truck and subsequently lost on the road when returning from the field site. The radiation field is approximately 150 millirem per hour at a distance of a foot from the source. On September 22, 1988, the source was found in tall grass just outside the city limits of Shreveport by a man who was walking his dogs. The man recognized the source from public notices and, without handling the device, notified the licensee and the authorities. He received a reward for his action. (Also included in Category IV as Item IV-88-20.)

III-88-46 09/22/88 Froehling and Robertson, Inc.
Richmond, VA

A Troxler gauge technician going off-duty from a District of Columbia jobsite was robbed at gunpoint in Largo, Maryland, and his car with a Model 3411B gauge in the trunk was stolen. The gauge was locked in a shielded position. The Maryland and District police were notified of the potentially hazardous nature of the gauge. (Also included in Category IV as Item IV-88-21.)

III-88-47 09/22-10/13/88 Fraser Paper Limited
Bridge Street
Madawaska, ME

On September 22, 1988, two sealed sources containing approximately 250 millicuries each of krypton-85 were removed from nuclear gauging equipment at the Fraser facility and shipped by Federal Express to Valmet-Sentrol, Incorporated, Norcross,

Georgia. On October 7, 1988, it was reported that Valmet received a shipment undamaged that contained two source window covers for the sources, but only one source. The missing source measured approximately 3/4 inches high and 3/4 inches in diameter. The expected personnel exposure rate at contact was estimated to be between 1000 and 3000 rad per hour to the surface of the skin. On October 13, 1988, the missing source was recovered and retained by Valmet-Sentrol. (Also included in Category IV as Item IV-88-22.)

III-88-48 10/11/88 James River Graphics
Division of the James River Corporation
South Hadley, MA

A 22.5-millicurie americium static eliminator sealed source bar measuring 60 inches long by 1.5 inches wide was found missing from a paper coating machine when the equipment was disassembled. An investigation determined that the static eliminator was probably in a scrap metal dumpster taken to a landfill in Chicopee, Massachusetts, on October 4, 1988. The estimated dose rate at contact with the device is about 30 millirem per hour. An attempt to recover the static eliminator was unsuccessful.

III-88-49 10/18/88 Maxwell House
Houston, TX

The Texas Bureau of Radioactive Control (TBRC) reported that a nuclear gauge containing 50 millicuries of cesium-137 was found by a metals reprocessing firm, Structural Metals, Incorporated, Sequine, Texas. The gauge was identified through the use of a portal monitoring system of five detectors that the reprocessing firm uses to screen all incoming shipment of scrap metal. A TBRC inspector retrieved the gauge and subsequently found that it was one which had been installed at the Maxwell House facility in Houston, Texas. The gauge shutter was closed and locked with a maximum radiation reading of 12 millirem per hour on the bottom surface. Maxwell House had recently performed some facility modifications, but was unaware of the disposal of the radioactive gauge, a Kay-Ray Model 7062BP.

III-88-50 10/18/88 West Virginia University Hospital
Morgantown, WV

One ribbon of seeds (6 millicuries) was reported lost subsequent to a medical radiation therapy procedure. On September 9-11, 1988, a patient underwent an implant of 11 strands of iridium-192 seed (6 each - 1 millicurie seeds/strand) for the treatment of neck cancer. During removal of the seeds, one strand was unretrievable under conventional removal methods and had to be removed under fluoroscope and placed in a lead pig. The first ten strands were also placed in a lead pig. On a routine inventory of the sources, it was discovered that one

ribbon of seeds was lost. The licensee suspects the loss occurred during transport to the vault, and the source may have been discarded in the normal trash. An extensive search was performed by the licensee with negative results.

III-88-51 10/19/88 B. P. D. Instruments, Incorporated
Oklahoma City, OK

A 30-millicurie americium-241-beryllium neutron calibrator check source, Amersham Model AMN.PE5, Serial Number 5966, bolted in a 10-pound MKI calibrator device measuring 8 inches in diameter and 6 inches deep, was discovered missing during a semiannual physical inventory. The licensee suspects that the device was lost at a well site or in transit on the leased roads to a well site. The licensee, assisted by drilling contractors, operating companies, and local and state civil authorities, conducted a search of 25 such sites and site access roads with negative results. The device may have been buried by extensive earthwork that occurred at some of the well sites. The device offers some shielding for the source and is marked with caution signs and transport labels. Neutron dose rates are estimated to be 7-9 millirem per hour at contact with the device. (Also included in Category IV as Item IV-88-25.)

III-88-52 10/21/88 Wright-Patterson Air Force Base
OH

The former radiation safety officer at Wright-Patterson Air Force Base pleaded guilty to knowingly and willfully possessing 3 curies of americium-241 without NRC authorization or an Air Force permit. The officer obtained the material from a former licensee in 1978 and intended to dispose of it through Air Force channels. However, the disposal was never accomplished, and the material was stored in a waste storage building at the Base. It was discovered in the fall of 1986 during an NRC investigation into the circumstances surrounding the 1986 americium spill which resulted in contamination of the building and radiation exposure to a worker. A Notice of Violation and Proposed Imposition of Civil Penalty in the amount of \$102,500 was issued to the Air Force on June 17, 1988.

III-88-53 10/27/88 Stanford Mining Company
Dixonville, PA

Two Texas Nuclear Model 5090 density gauges, each containing about 200 millicuries of cesium-137, were discovered lost during the review of a request for license termination. NRC contacted Phoenix Equipment Leasing Company, Danville, West Virginia, whose name had been entered on a Certification of Disposition of Material completed by Stanford, to determine the status of gauges. Phoenix had contracted with Stanford to prepare the mine sites for land reclamation in exchange for rights to any salvable equipment. However, Phoenix denied ever having

taken possession of the gauges, although they had seen them at the Stanford site. Access to the site was not controlled during demolition of the building which housed the gauges, and anyone could have removed the gauges. A radiation survey of the area revealed no sign of the gauges.

III-88-54 11/16/88 Ezra Meir, Associates
Raleigh, NC

Two Troxler moisture/density gauges, Model 3411B, each containing 9 millicuries of cesium-137 and 40 millicuries of americium-beryllium, were secured in two company vehicles which were broken into, hot wired, and stolen. The local law enforcement agency was notified, and a press release was issued. Also included in Category IV as Item IV-88-26.)

III-88-55 11/18/88 Professional Service, Incorporated
Oak Brook, IL

A Campbell Pacific Nuclear, Model MC-1, moisture/density gauge containing 10 millicuries of cesium-137 and 50 millicuries of americium-241 was stolen from the open bed of a truck at an Eli Lilly Company temporary job site in Lafayette, Indiana. Local media publicity resulted in the return of the gauge by a member of the public within 50 minutes of discovery.

III-88-56 11/23/88 University of Cincinnati
Cincinnati, OH

An unmarked bag of less than 500 microcuries of phosphorus-32 contaminated dry waste (test tubes, paper, etc.) was discovered missing from a radioisotope laboratory and presumed to have been sent to a landfill by housekeeping personnel. The waste posed no apparent significant radiological hazards.

III-88-57 11/23/88 Department of the Air Force
USAF Radioisotope Committee
Brooks Air Force Base, TX

The licensee reported the accountability loss of five specifically licensed Model 6605-00151-5337 lensatic compasses containing 190 millicuries of tritium gas each at the K. I. Sawyer Air Force Base, Michigan. A search was conducted at the Sawyer Base with negative results. The lost compasses pose no danger to the public.

III-88-58 11/28/99 Brigham and Women's Hospital
75 Francis Street
Boston, MA

One curie of gadolinium-153 contained in a doubly encapsulated source sealed in a brass cylinder 2 inches long and about 0.7 inch in diameter was found missing from the dose preparation

area (hot lab) of the nuclear medicine department of the hospital. The brass cylinder, threaded on one end so that it may be joined with a bone mineral analyzer, was engraved with the words, "Caution-Radioactive Do Not Handle - Notify Civil Authorities If Found, GD-153." The cylinder was in a lead can, 6 inches tall by 4 inches in diameter, with a screw top lid. The lead can was in a white shipping container (paint can type), 18 inches tall by 11 inches in diameter, which had two "Radioactive White I" Department of Transportation labels on the outside of this container marked, "Gd-153, 1 curie." The licensee conducted surveys and interviewed personnel with negative results. The source is adequately shielded and not considered a hazard if it remains in the shipping container. However, the radiation levels at the threaded end of the brass cylinder are about 115 roentgens per hour.

III-88-59 11/28/88 Citizen
OK

A member of the public found a small radioactive source and turned it in to a health physicist at the Tahlequah Oklahoma Hospital. A Oklahoma Radiation and Specials Hazards Service representative determined the device to be a 1 microcurie radium-226 source, imbedded in a 6-inch long plastic rod. One end of the rod read "50 mr/hr" and the opposite end read "2 mr/hr." State representatives speculate the source, of unknown origin, may have been used as a check source for a radiation detector. The NRC does not regulate radium.

III-88-60 12/07/88 Computerized Medical Imaging
2010 Esmond Road
Eau Claire, WI

An unsecured package containing 75 millicuries of sodium pertechnetate (technetium-99m) was stolen from the unlocked vehicle of a nuclear medicine technologist while the car was parked at the technologist's residence in Two Rivers, Wisconsin. The solution, in a glass vial surrounded by a heavy lead container the size of a regular soup can, was inside a metal box certified for the transport of radioactive materials. Both the glass vial and box bore warning labels for radioactive materials. The activity in the missing vial would be about the equivalent of a typical diagnostic dose of the radiopharmaceutical. On December 7, 1988, the licensee reported the recovery of the radioactive material, and its packaging appeared to be intact and undamaged. A Notice of Violation and Proposed Imposition of Civil Penalty in the amount of \$2,000 was issued on March 8, 1989. (Also included in Category IV as Item IV-88-27.)

III-88-61 12/12/88 Dames & Moore, Incorporated
Cranford, NJ

On December 12, 1988, a Troxler Model 3411B portable moisture/density gauge containing 9 millicuries of cesium-137 and 44 millicuries of americium-241 was assigned to a licensee technician to perform moisture/density measurements at a temporary job site in Kesbey, New Jersey, approximately 15 miles south of Cranford, New Jersey. On December 19, 1988, the licensee notified the Cranford Police that the person and gauge were missing. On December 27, 1988, the police located the gauge in its shipping case in the back of the licensee's rental car which had been impounded on December 12, 1988, by the police in Newburgh, New York, when the technician could not produce a valid driver's license. On December 29, 1988, the car rental company retrieved the car and gauge, and the licensee took possession of the gauge at the car rental office in South Orange, New Jersey. (Also included in Category IV as Item 1V-88-28.)

III-88-62 12/25/88 Beckton Dickinson
Diagnostic Instruments
383 Hillen Road
Towson, MD

The Massachusetts Radiation Control Program representative informed Region I that a package containing 99 vials of Bac-tec 12B containing 4 microcuries each of carbon-14 in liquid form was found at the intersection of Holden and Bow Streets, Shrewsbury, Massachusetts. The package label indicated it contained 100 vials, but the missing vial could not be found. Carbon 14 is a low energy beta emitter and vials of Bac-tec 12B, used for in-vitro diagnosis of tuberculosis, may be distributed to persons exempt from NRC or Agreement State licensing.

IV-78-07 10/25/78 United Nuclear Corporation, Wood River
Junction, RI, to
United Nuclear Corporation
Montville, CN

See Category III, Item III-78-22.

IV-78-08 10/26/78 Abbott Laboratories, North Chicago, IL, to
Moorhead General Hospital, Bastrop, LA

See Category III, Item III-78-23.

IV-78-09 11/28/78 Washington, Pennsylvania

See Category VII, Item VII-78-03.

IV-78-10 12/11/78 Cleveland Airport
Cleveland, OH

See Category III, Item III-78-25.

IV-79-01 3/19-27/79 Abbott Laboratories
North Chicago, IL

See Category III, Item III-79-07.

IV-79-02 06/20/79 Isotope Measurement Laboratory, Incorporated
Northbrook/Joliet, IL

See Category III, Item III-79-09.

IV-79-03 07/09/79 Mallinckrodt, Incorporated
St. Louis, MO

See Category III, Item III-79-10.

IV-79-04 07/11/79 Pilgrim
Boston Edison Company
Plymouth County, MA

See Category II, Item II-79-03.

IV-79-05 07/24/79 Schlumberger Technology, Incorporated
Houston, TX

See Category X, Item X-79-05.

IV-79-06 07/25/79 Mallinckrodt, Incorporated
St. Louis, MO

See Category III, Item III-79-11.

IV-79-07 08/14/79 University of Virginia
 School of Medicine
 Charlottesville, VA

The licensee radiation safety officer reported that a post-doctoral student transported 7 millicuries of tritium solution in violation of NRC, licensee safety committee, and U.S. Department of Transportation regulations. The material was transported in a double-sealed container using absorbent material and carried in the individual's coat pocket. The material was transported round-trip from Charlottesville to Yale University in New Haven, Connecticut, for use in an experiment. At the time, the student was not working under the direct supervision of an authorized user and subsequently did not dispose of the tritium in conformance with accepted procedures.

IV-79-08 08/17/79 Purolator Courier, Incorporated
 Des Moines, IA

A 725-millicurie molybdenum-99/technetium-99 (highly unstable) generator being transported by Purolator to the Davis City Hospital in Bloomfield, Iowa, was lost and subsequently found in Des Moines. The generator remained intact during the period of loss, although the package was apparently run-over by one or more vehicles and damaged.

IV-79-09 08/22/79 Connecticut Yankee
 Connecticut Yankee Atomic Power
 Middlesex County, CT

See Category VII, Item VII-79-04.

IV-79-10 11/20/79 Three Mile Island
 Metropolitan Edison Company
 Dauphin County, PA

Two drums containing radioactive waste were inadvertently transported to the Middletown municipal incinerator, along with a normal trash shipment. The drums were returned and temporarily restored on site. A survey showed contact radiation on the surface of the drums of 3 millirems/hour and 0.5 millirem/hour, respectively, with no removal contamination. Both drums were labeled with green tags indicating the contained material was nonradioactive sometime before shipment.

IV-79-11 11/29/79 Eastern Testing and Inspection, Incorporated
 Pennsauken, NJ

See Category III, Item III-79-19.

IV-80-01 02/26/80 Wayne State University
 Detroit, MI

See Category III, Item III-80-05.

IV-87-16 11/21/87 Meyer, Tisio and Hindo, Ltd.
Farmington Hills, NJ

See Category III, Item III-87-36.

IV-87-17 11/22/87 Quadrex, Incorporated
Oak Ridge, TN

At 1:30 a.m., a tractor trailer carrying six metal boxes containing radioactive waste with a total radioactivity of 375 millicuries overturned on Interstate-80, about 25 miles west of Cheyenne, Wyoming, spilling the contents of five boxes onto the median. State responders and the fire department from Warren Air Force base near Cheyenne covered the spill with tarpaulins. Wyoming's Radiological Health Services monitored the cleanup and ascertained that no radioactivity above normal background levels was present. The material was repackaged and returned to the company's facilities.

IV-87-18 12/22/87 Mallinkrodt, Incorporated
2703 Wagner Place
Maryland Heights, MI

See Category III, Item III-87-42.

IV-88-01 01/05/88 Associated Couriers
(Carrier for Mallinckrodt Company)
St. Louis, MO

An unplacarded truck carrying 84 spent molybdenum/technetium generators (less than 10 curies total) from several hospitals was hit by a car that crossed a median on the Turner Turnpike, 13.5 miles east of Interstate 35. The truck driver was uninjured, but the other car driver was killed. Although the truck/trailer tipped over onto a guard rail, the generators were intact. The truck and trailer were removed to a service yard, the truck replaced, and the shipment continued to St. Louis, Missouri. Contamination surveys were conducted with negative results.

IV-88-02 01/07/88 Overaff Technical Corporation
Cincinnati, OH

A private plane carrying 50 millicuries each of krypton-85 and strontium-90 crashed in Monroe County, West Virginia. The pilot, a licensed user and company owner, survived the crash. He inspected and surveyed the transport case at the crash site and found no appearance of damage. The State Police retrieved the source case and transported it to the hospital where it was stored in the pilot's hospital room until a company representative retrieved it.

IV-88-03 01/09/88 Cooper
Nebraska Public Power District
Nemaha, NE

A railroad car carrying an empty spent fuel shipping cask derailed on the licensee's owner-controlled area when licensee personnel moved the car from one set of tracks to another using a small trackmobile. The derailment occurred because the switch used to change tracks was in the wrong position. The cask car remained upright, and there were no personnel injuries.

IV-88-04 01/28/88 Arizona Radiation Regulatory Agency
4814 South 40th Street
Phoenix, AZ

See Category III, Item III-88-07.

IV-88-05 01/31/88 Houston Inspection Service
Houston, TX

A radiography camera containing a 48-curie iridium-192 source fell off the back of a pickup truck, jammed under a following car, and was dragged for some distance. The source was ejected from the camera and landed on the roadway median. Approximately 2 hours later, it was recovered by the licensee's radiation safety officer. There was no significant exposures to any member of the public.

IV-88-06 02/23/88 ConAm Inspection Company
Nuclear Energy Services, Inc.
Houston, TX

A truck carrying an industrial radiography device containing iridium-191 ran off the road at Montchenen Road and Route 100, near Wilmington, Delaware. The New Castle County Police and a Delaware State transportation representative responded to the accident, surveyed the source, and determined it had not been breached. The truck driver and a passenger were determined to be intoxicated. A licensee representative was notified and took possession of the source.

IV-88-07 03/11/88 Soils Engineering Services, Incorporated
20 Troy Road
Whippany, NJ

See Category III, Item III-88-13.

IV-88-08 03/17/88 Professional Services Industries
Oak Brook, IL

See Category III, Item III-88-15.

IV-88-09 03/24/88 Western Atlas International
Atlas Wireline Services
Houston, TX

A vehicle transporting a 2-curie cesium-137 well-logging source ran off the road into a ditch. The transport container with the source was dislodged from its tie-down and thrown from the vehicle, but was found intact. No contamination was found. The driver, reported to be intoxicated, received slight injuries.

IV-88-10 05/05/88 Edlow International
Allied Chemical
France to Charleston, SC

The DART Container Lines ship, "America," transporting eight UF6 cylinders from France (Cogema) to Charleston, South Carolina, encountered high seas 900 miles east of Montauk Point, Long Island, New York, which resulted in the loss overboard in international waters of one cylinder and valve cover damage on others. The lost and damaged cylinders, each containing 3 to 5 kilograms of natural uranium (residual matter), were being returned to the U.S. to be filled. Surveys of the damaged cylinders did not detect any radioactive contamination. No evidence of the lost cylinders was found.

IV-88-11 05/17/88 Quivira Mining Company
NM

An ABF truck from Quivira Mining Company, Ambrosia Lake (Kerr-McGee Subsidiary), hauling 50 drums of yellowcake, collided with an Allied Van Lines truck on I-40, about 80 miles from Albuquerque when the Allied truck crossed over the median. The Allied driver was killed. There was no evidence of spilled yellowcake, although one of the two piggy-back trailers of the ABF truck was badly damaged.

IV-88-12 05/24-25/88 Geotechnical Engineering Corporation
Roseville, MN

See Category III, Item III-88-24.

IV-88-13 05/31-06/16/88 Jefferson Smurfit/Summer
400 E. North Street
Carol Stream, IL

See Category III, Item III-88-27.

IV-88-14 08/01/88 St. Francis Hospital
Tulsa, OK

Eight ounces of radioactive material contained in two vials in a cardboard box being transported by Roadway Express out of Akron, Ohio, spilled while en route to the Hospital. Only the

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| IV-88-15 | 08/01/88 | Sigma Chemical Company St. Louis, MO |
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| IV-88-16 | 08/11/88 | Westinghouse Electric Corporation Columbia, SC |
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IV-88-17 08/15/88 E. R. Squibb and Sons, Incorporated
New Brunswick, NJ

IV-88-18 08/26/88 Surry
Virginia Electric and Power Company
Surry County, VA

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| IV-88-19 | 09/20-22/88 | Berthold Systems Sewickley, PA |
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See Category III, Item III-88-44.

IV-88-20 09/21-22/88 Trainer Surveys, Inc.
Shreveport, LA

See Category III, Item III-88-45.

IV-88-21 09/22/88 Froehling and Robertson, Inc.
Richmond, VA

See Category III, Item III-88-46.

IV-88-22 09/22/88 Fraser Paper Limited
Bridge Street
Madawaska, ME

See Category III, Item III-88-47.

IV-88-23 09/23/88 Central Testing, Incorporated
Lake Charles, LA

The Louisiana Nuclear Energy Division reported that a radiography truck ran off a curve in the road near Lake Charles and bounced to a stop in a bean field. The driver notified the State Police and called a wrecker. The wrecker driver picked up the radiography camera, which had bounced out of the truck, and returned it to the licensee. The investigation found no evidence of radiation exposure or damage to the camera, a Gamma Century camera, in an approved Type B package. The truck driver did not immediately return to the scene of the accident, and it is speculated that he may have been intoxicated.

IV-88-24 10/03/88 Syncor Corporation
19-A Gardner Road
Fairfield, NJ

At 12:30 p.m., at an intersection in Jersey City, New Jersey, a vehicle carrying two radiopharmaceutical doses containing approximately 20 millicuries of technetium-99m each rolled over. The packages containing the radioactive material remained braced and suffered no damage. There was no release of radioactive material.

IV-88-25 10/19/88 B. P. B. Instruments, Incorporated
Oklahoma City, OK

See Category III, Item III-88-51.

IV-88-26 11/16/88 Ezra Meir, Associates
Raleigh, NC

See Category III, Item III-88-54.

IV-88-27 12/07/88 Computerized Medical Imaging
2010 Esmond Road
Eau Claire, WI

See Category III, Item III-88-60.

IV-88-28 12/12/88 Dames & Moore, Incorporated
Cranford, NJ

See Category III, Item III-88-61.

authorized repairs were conducted on the alarm that would have explained the removal of necessary operating parts from the inside alarm box. The licensee concluded the investigation. No perpetrator was identified. Plant status: Operational. Fuel present at site.

V-86-11 11/17/86 Vogtle
 Georgia Power Company
 Burke County, GA

The applicant reported two instances of damage to equipment in the safety injection (SI) system. Two sight glasses used to indicate oil level in an SI pump were broken, and a relay glass cover in a switch gear supplying power to an SI pump was damaged in such a manner that the relay was also damaged. The applicant's investigation concluded that the incidents appeared to be deliberate and may have been related to reduction of the on-site workforce. The licensee concluded that investigation. No perpetrator was identified. Plant status: Preoperational. Fuel present at site.

V-86-12 11/29/86 San Onofre
 Southern California Edison Company
 San Diego County, CA

On November 29, 1986, the licensee determined that the red and green indicating light lenses had been reversed for five ventilation fan switches on the Unit-1 4KV switchgear room and for one diesel-generator output breaker. Based upon previous physical inspections by a plant operator, the licensee determined this occurred at Unit-1 between 8:30 a.m. - 2 p.m., November 29, 1986. No further tampering occurred. The licensee's security computer identified 25 individuals who had access to the Unit-1 area during the time period of concern. On December 2, 1986, the licensee's investigation was expanded to include the unauthorized manipulation of 10 circuit breakers at Unit-3 (see next item). Investigative efforts by the licensee and the FBI identified one suspect; however, lack of physical evidence prevented the filing of any charges. The worker's access to the protected and vital areas was not reinstated, and he left the site shortly thereafter, when his temporary employment ended. Plant status: Operational. Fuel present on site.

V-86-13 12/02/86 San Onofre
 Southern California Edison Company
 San Diego County, CA

On December 2, 1986, (three days after the November 29, 1986 incident described above), the licensee determined that unauthorized manipulation of ten nonsafety-related circuit breakers had occurred in Unit 3, between 7:15 and 8 a.m., based on a related annunciation received in the control room. Components and systems verification inspections at all three units determined that no further tampering had occurred. The

licensee's security computer identified 35 individuals who had access to the Unit-3 area during the time period of concern. These 35 individuals (together with the 25 individuals associated with the November 29, 1986 incident, had their access temporarily withdrawn to prevent them from entering the protected and vital areas, until investigations or other appropriate actions were completed. The licensee's investigation included the offer of polygraph examinations to eleven individuals. Six of these individuals declined/failed the polygraph examination. On December 11, 1986, the San Diego office of the FBI assumed charge of the investigation and conducted follow-up interviews of selected individuals. Investigative efforts for this incident identified a likely suspect (temporary worker); however, the lack of physical evidence prevented the filing of any charges and the investigation was closed. The temporary worker's access to the protected and vital areas was not reinstated, and he left the site shortly thereafter, when his temporary employment ended. (Note: The suspect identified for Item V-86-12 was a different individual than the suspect identified for this event. There was no evidence that linked these two individuals or to indicate that more than one individual was involved in either event.) Plant status: Operational. Fuel present at site.

V-86-14

12/18/86

Beaver Valley
Duquesne Light Company
Beaver County, PA

At 11:10 p.m., during a shift changeover control room panel walkdown, an operator noticed that the "power available" indicator for one of six safety-related auxiliary feedwater valves was dark. An immediate investigation disclosed that the breaker for the valve motor operator was in the tripped position, but the valve was open, as required. The breaker was reset, and the valve motor operator was re-energized at 11:20 p.m. No other indications of equipment tampering were detected. A review of the security access control records and the plant process computer records indicated that the breaker tripped at 9:45 p.m. and also identified five plant personnel who had been in the area at that time. Those personnel were interviewed. A member of the contract security force (a guard) stated that he may have bumped the breaker panel with his body just before leaving the area. The licensee did not consider that explanation to be plausible, since physical protective devices had been installed on this and other safety-related breakers to preclude just such an occurrence. In a subsequent interview, the guard admitted to handling the protective device out of curiosity. During his efforts to restore the protective device to its normal position, he tripped the breaker. He then left the area without notifying anyone of what had occurred. The guard was suspended by the security contractor. Plant Status: Unit 1, Operational; Unit 2, Preoperational. Fuel present at site.

V-87-01 01/01-2/12/87 Big Rock Point
 Consumer Power Company
 Charlevoix County, MI

A licensee investigation of a sabotage allegation determined that nuts on the packing gland hold-down plate and valve 4050 were apparently loosened deliberately by person or persons unknown between January 1, 1987 and February 12, 1987. Plant status: Operational. Fuel present at site.

V-87-02 01/15/87 South Texas
 Houston Lighting and Power Company
 Matagorda County, TX

During a pre-hot functional test inspection of the reactor coolant pumps (RCPs), the licensee discovered a 14-inch long metal spike (5/16-inch punch) inserted between the rotor and stator of the loop C RCP. The licensee established formal access control and inspected other active components for evidence of tampering with negative results. The RCP had not been operated since mid-October 1986. Location of the punch indicated an intentional act on the part of an unknown individual. No perpetrator was identified. Plant status: Preoperational. Fuel not present at site.

V-87-03 02/07/87 Limerick
 Philadelphia Electric Company
 Limerick, PA

During night rounds, a plant operator observed that two of four white light covers were missing from the "C" emergency diesel generator control power. The operator also found a red light associated with the control switch for the "B" diesel starting air compressor to be lit, although the compressor was not operating. The licensee restored the lens configuration to normal and instituted special surveillance. Investigation failed to identify a perpetrator. (See V-87-09 and V-87-10). Plant status: Operational. Fuel present at site.

V-87-04 02/17-24-25/87 Dresden
 Commonwealth Edison Company
 Grundy County, IL

On February 17, 1987, a loosened bolt was discovered on the No. 2 emergency diesel generator cooling pump flange. On February 24, 1987, four bolts were found loosened on the same pump when a technician, who was adding coolant to the pump, noticed the pump flange was leaking. The licensee initially suspected inadequate maintenance, but subsequently concluded that the bolts might have been deliberately loosened. On February 25, during a system walkdown, a loose bolt was discovered on the No. 2 diesel generator heat exchanger. The licensee increased security coverage and conducted an investigation which concluded that tampering was suspected, but there was no conclusive proof. The FBI was notified and concurred with the licensee's

course of action. Plant status: Shutdown. Fuel present at site.

V-87-05 05/06/87 Indiana University School of Medicine
IN

Two wires controlling lights on a teletherapy unit were reported to have been cut. The wires to the lights are not essential to the operation of the unit. The licensee's security organization investigated with negative results.

V-87-06 05/20-26/87 Trojan
Portland General Electric Company
Columbia City, OR

On May 20, 1987, a one-inch hole was drilled into a nonsafety-related, sixteen-inch steam line of the moisture separator reheater (MSR) for future attachment of a thermocouple. On the same day, a radiograph was taken of a recent weld near the one-inch hole. On May 24, 1987, analysis of the radiograph revealed debris lying within the pipe although the pipe had been swept clean of debris by a magnet on May 20, 1987, following the drilling of the one-inch hole. A subsequent FBI investigation, which included interviews and an examination for latent fingerprints, was unsuccessful in developing any leads. Plant status: Shutdown. Fuel present at site.

V-87-07 06/04-16/87 Clinton
Illinois Power Company
DeWitt County, IL

On June 4, 1987, a security officer on patrol found three antennae on an internal plant radio repeater bent over and twisted. The licensee conducted an investigation and on June 11, 1987, identified a contract fire watch employee as the individual responsible for the tampering. His site access was terminated. On June 16 1987, the individual was charged with felony theft of property and misdemeanor by the DeWitt County Sheriff Department. Plant status: Operational. Fuel present at site.

V-87-08 06/10-11/87 Hatch
Georgia Power Company
Appling County, GA

During the back shift at Unit 1, personal dosimeters were moved around to different storage locations, radiation area posting signs were moved, and a telephone line to a computer was cut. Vandalism was attributed to layoffs at the finish of the Unit 1 outage. Plant checks were performed to assure that no plant safety systems were affected. Plant status: Shutdown. Fuel present at site.

V-87-09

08/02/87

Limerick
Philadelphia Electric Company
Montgomery County, PA

At 11:45 a.m., the blue and white light covers on four uninterruptible power supplies in a vital area of the control enclosures were discovered to be interchanged. Normal light configuration had been observed approximately 16 hours earlier. The lights have no effect on operation of the inverters which supply power to the reactor's protection system and the process and security computers. Investigations of access records and interview of personnel failed to identify a perpetrator. (See V-87-03 and V-87-10 for similar occurrences.) Plant status: Shutdown. Fuel present at site.

V-87-10

08/03/87

Limerick
Philadelphia Electric Company
Montgomery County, PA

At 10:30 a.m., two indicating lamp lenses on the 13KV auxiliary switchgear panel were found to be interchanged and another lens was missing. Investigation of access records and interview of personnel failed to identify a perpetrator. (See Item 87-03 and 87-09 for similar occurrences.) Plant status: Shutdown. Fuel present at site.

V-87-11

10/31/87

Oyster Creek
GPU Nuclear Corporation
Ocean County, NJ

At 8:30 p.m., the licensee discovered that the locked high radiation door on the 51 foot elevation of the reactor building was damaged. The door, which consists of a heavy gauge fence material, restricts access to the reactor water cleanup room. A hand hole had been cut in the fence material permitting access to unlock the high radiation door. The licensee searched the area with negative results. Plant status: Operational. Fuel present at site.

V-87-12

12/11/87
01/14/88Sequoyah
Tennessee Valley Authority
Hamilton County, TN

After a 3-inch tungsten welding rod was found inside the oil filler cap of the Unit 2 turbine-driven auxiliary feedwater pump, the pump was broken down for further inspection. On January 14, 1988, four additional rods and a half-inch rivet were found in the oil sump. Maintenance personnel inspected other similar pumps for signs of tampering with negative results. The licensee's investigation concluded that a deliberate act of tampering had occurred sometime between shutdown, August 1985, and the discovery while conducting the preoperational walkdown on December 11, 1987. Plant status: Shutdown. Fuel present at site.

V-88-01 04/05/88 D. C. Cook
Indiana and Michigan Power Company
Berrien County, MI

At 1:15 a.m., while conducting a routine surveillance, an operations shift supervisor discovered two pieces of nonflammable foam material inside the bearing housing on the Unit 1 turbine-driven auxiliary feedwater pump. One piece was lodged in the neck of the oil fill aperture, while the other piece was found floating on top of the oil in the bearing housing below. The aperture, 1.5 inches in diameter, is covered by a spring operated cap; therefore, the foam material could not have been there by accident. The FBI was notified and participated in the licensee's extensive investigation. No perpetrator was identified, but a contractor employee was fired for apparent knowledge of the tampering incident. The investigation was closed on May 6, 1988. Plant status: Operational. Fuel present at site.

V-88-02 07/01/88 Delco Electronics
Kokomo, IN

A contamination survey team found that a Model NRD 2001 static eliminator containing 11.2 millicuries of polonium-210 incorporated into gold foil was leaking as a result of damage done when an unknown individual tried to scrape out the gold foil. Surveys of the surrounding area found contamination only on a wooden crate which was dismantled, placed in a barrel, and shipped to a commercial burial site. No contamination was found on the twelve individuals who worked in the area.

V-88-03 07/22/88 Vogtle
Georgia Power Company
Burke County, GA

Two technicians found several cut wires (14 gauge) in two electric junction boxes for fire protection equipment in Unit 2. Unit 2 was under construction, and the system had not been tested. The apparent vandalism appeared to be isolated to the two junction boxes. The licensee's investigation concluded that tampering was suspected, although there was no conclusive proof. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

V-88-04 08/12/88 Clinton
Illinois Power Company
DeWitt County, IL

Five valves for a nonsafety-related system were mispositioned in the open position and resulted in the transfer of condensate waste from the condensate storage tank to the radwaste system. The FBI was advised of the potential equipment tampering. On August 15, 1988, three additional valves for the same system were found misaligned. An investigation was conducted with

negative results. Plant status: Operational. Fuel present at site.

V-88-05 10/11/88 Duane Arnold
Iowa Electric Light and Power Company
Linn County, IA

The licensee discovered two possible tampering events. A power supply wire to the breaker charging motor had been pulled out of its crimped lug connector. The motor would have functioned for one cycle under this condition. Also, a microswitch was found mispositioned. The licensee notified the FBI and made the necessary repairs. Plant status: Shutdown. Fuel present at site. (See next entry.)

V-88-06 10/13/88 Duane Arnold
Iowa Electric Light and Power Company
Linn County, IA

The licensee discovered a third incident of apparent tampering with a power supply wire to the essential service bus feed breaker for an emergency diesel generator. The FBI was notified. Plant status: Shutdown. Fuel present at site. (See next entry.)

V-88-07 10/15/88 Duane Arnold
Iowa Electric Light and Power Company
Linn County, IA

The licensee reported apparent equipment tampering on the same control rod drive pump feeder breaker which had been repaired on October 11, 1988 (See V-88-05). Employees working in the room where the breaker panel was located noticed that the same wires were again damaged. This time, the protective sheathing had been cut, exposing the wire. Twelve potential suspects (contract employees) were denied access to the switchgear rooms. Additional security measures were initiated. The FBI was notified and conducted an investigation of the four apparent tampering events at the facility with inconclusive results. On November 7, 1988, an augmented shift inspection commenced to assure maintenance of safety system operability during the refueling operation. Plant status: Shutdown. Fuel present at site.

V-88-08 11/26-12/5/88 San Onofre
Southern California Edison Company
San Diego County, CA

On November 26, 1988, an activation signal associated with a fire extinguisher system was received in the control room. An investigation concluded that the signal was deliberately activated for harassment purposes. On December 3, 1988, a contractor employee admitted he activated the signal out of curiosity and that another contractor employee witnessed the act. On

December 5, 1988, the latter employee was interviewed and stated he did not reveal his knowledge of the incident because he wanted to give the perpetrator an opportunity to confess. Both individuals had their employment terminated. Plant status: Operational. Fuel present at site.

VI-82-04 11/19/82 Calvert Cliffs
Baltimore Gas & Electric Company
Calvert County, MD

At 4:16 a.m., a contractor employee discovered a small fire on the second floor of the south service building. This was an administrative building within the protected area. However, it was not near to nor did it house any safety-related features. A liquid appeared to have been poured on a table. A burnt match and a melted plastic cellophane tape dispenser were found in the scorched area. Very little damage occurred. Fuel present at site.

VI-83-01 02/02/83 LaSalle
Commonwealth Edison Company
LaSalle County, IL

A fire was discovered in the Unit 1 turbine building in a nonsafety-related area. The fire was extinguished within five minutes of discovery by the on-site fire brigade. The local fire department was notified of the fire and assisted in the investigation. Twenty empty cardboard resin containers, one full container and a metal locker containing protective clothing and miscellaneous material, were either damaged or destroyed. There were no injuries. Radio-active materials were not involved. The building was not evacuated. Unit 1 was shutdown at the time. The Illinois Fire Marshall reported that the fire was of a "suspicious nature," based on its rapid propagation, which might have been indicative of the use of an accelerant. Fuel present at site.

VI-83-02 03/08/83 Peach Bottom
Philadelphia Electric Company
York County, PA

A reactor operator observed a small smoldering fire in an area containing stored radwaste material in the radwaste building. The material was being prepared for compaction and subsequent shipment. The licensee's preliminary investigation revealed that one of the plastic bags had a small burned-out area of approximately 1 square foot. The investigators found two burned-out cardboard matches stuck to one of the unburned bags in the pile. Fuel present at site.

VI-84-01 02/14/84 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo County, CA

A smoldering fire was spotted in a motor control center for a motor-driven fire water pump. The fire brigade responded, after the power to the center was secured, and extinguished the fire within five minutes of receipt of the alarm. The cause was a slightly open contactor in the motor control center which did not close completely because a foreign object was stuck in the contactor. Minimal damage occurred, and no loss of safety function occurred because the fire pump was out of service for maintenance at the time. The plant was in Mode 5, preparing for heatup. Fuel present at site.

VI-84-02 02/23/84 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

During routine rounds, the fire watch officer discovered a burning trash bag containing contaminated materials. A fire alarm was sounded, and the fire was extinguished within six minutes. Initially, sabotage was suspected because the contaminated bag was not supposed to be in the Unit 2 auxiliary building fan room. Air samples and smear surveys in the immediate area of the fire identified no measurable radioactivity. No one was injured, and no radioactive release limits were exceeded. The FBI was notified. Fuel present at site.

VI-84-03 04/16/84 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo County, CA

At 3:45 a.m., unidentified persons entered a part of the owner-controlled area and discharged six flares in different directions, about 350 yards from the protected area. One of the flares landed about 200 yards from the fence and caused a small brush fire. A security officer extinguished it. Fuel present at site.

VI-85-01 05/22/85 Hope Creek
Public Service Electric and Gas Company
Salem County, NJ

During the evening, five fires, one in an insulation storage shed and four in portable toilets, were identified and extinguished. All fires were outside the permanent plant structure, and no plant equipment was damaged. Fuel not present at site.

VI-85-02 05/29/85 Braidwood
Commonwealth Edison Company
Will County, IL

At 10 p.m., there was a fire in a dumpster located outside the service building. It was promptly extinguished. Two books of matches were found at the scene. Fuel not present at site.

VI-86-01 03/12/86 Nuclear Fuel Services, Incorporated
Erwin, TN

At 7:50 p.m., a fire developed in a field outside the protected area of the plant. Plant personnel, with the assistance of the local Volunteer Fire Department, controlled the fire and extinguished it before 9:30 p.m. The fire was apparently started by a flare placed in the field. The Fire Department's response was reportedly delayed by members of the local Oil Chemical Atomic Workers (OCAW) Union, who had been on strike since May 15, 1985. Plant personnel were shot at by union members, with a pellet rifle, while fighting the fire. This event was believed to be strike-related. Fuel present at site. (See Items VI-86-02 and VI-86-03.) (See also Item VII-86-05.)

VII-85-07 06/19/85 Catawba
Duke Power Company
York County, SC

At 6:45 p.m., the licensee discovered an unloaded .32-caliber revolver and 13 rounds of ammunition in a licensee employee's purse during a routine search using X-ray equipment. The employee was denied access and was suspended. The licensee's investigation revealed that the employee did not intend to bring the weapon on-site. Fuel present at site.

VII-85-08 07/05/85 Nuclear Fuel Services, Incorporated
Erwin, TN

At 12:35 a.m., a shot was fired from a location approximately 100 to 150 yards away from a picket line on Caroline Avenue, Erwin, Tennessee, into the main office building. The round broke a window and struck a wall. Although there is not conclusive evidence to identify any individual as responsible for firing the bullet which penetrated the licensee's facility, a 30.06 rifle was subsequently confiscated from an individual who admitted he was target practicing at a location nearby. Plant status: Shutdown. Fuel present at site.

VII-85-09 07/12/85 Point Beach
Wisconsin Electric Power Company
Manitowoc County, WI

The licensee reported that a security guard had illegally discharged a weapon in the auxiliary building. On July 15, 1985, an NRC safeguards inspector arrived on-site, reviewed the incident, and interviewed the suspended guard. The incident was determined to have been an accident caused by the individual guard carelessly violating weapons-handling procedures. There were no indications of any malevolent intent. The licensee had identified the individual as a recent "poor performer" and had taken management actions to provide heightened supervisory review of his performance. As a result of being found asleep in June 1985, and consequently suspended for 10 days, he was required to be psychologically reevaluated. No indications of aberrant behavior were identified. The guard's employment was terminated on July 16, 1985. The licensee also took action to eliminate unnecessary weapons-handling within the plant building. Fuel present at site.

VII-85-10 08/01/85 River Bend
Gulf States Utilities
W. Feliciana Parish, LA

A licensee contract employee attempted to enter the site with a handgun in her purse. This was detected by standard security entrance controls. The employee stated that the firearm was for her personal protection off-site. Licensee denied site access and discharged the contract employee. Fuel present at site.

VII-85-11 08/16/85 Crystal River
 Florida Power Corporation
 Citrus County, FL

The licensee notified Region II that at 2 p.m., a routine search of a vehicle before entry to the protected area resulted in the discovery of two firearms, a .22-caliber target pistol and a belt buckle pistol. The owner of the vehicle, a badged employee, denied ownership or knowledge of the weapons and stated that they may have been left in the vehicle by a friend approximately two months ago. Fuel present at site.

VII-85-12 09/05/85 Dresden
 Commonwealth Edison Company
 Grundy County, IL

During a routine search of a subcontractor vehicle, security officers found an old, hammerless .38-caliber Iver Johnson revolver with bullets in the cylinder. The weapon was in a cigar box on the front seat. The licensee determined that neither the individual nor the weapon posed a threat to the facility. However, the individual was denied access to the site and was turned over to the Grundy County Sheriff's Department. He was released after posting bond. Fuel present at site.

VII-85-13 09/21/85 Babcock & Wilcox
 Nuclear Naval Fuel Division
 Lynchburg, VA

At 9 p.m., an on-duty security officer discharged a .38-caliber revolver within the bullet-resistant enclosure at the central gate when he dry-fired his weapon after removing what he believed to be all the ammunition. There were no injuries and no damage outside the enclosure.

VII-85-14 10/28/85 Peach Bottom
 Philadelphia Electric Company
 York County, PA

At 6 a.m., a contractor employee found 10 unused .22-caliber cartridge shells in the Unit 3 reactor building elevator (within the protected area, but outside of vital areas). The contractor employee reported this to the control room personnel, who then turned the shells over to security. The licensee searched the area. Nothing more was found except an empty .22-caliber cartridge shell box. At 10 a.m., on October 31, 1985, the licensee reported that the source of the 10 unused .22-caliber cartridge shells had been identified. An individual had previously used a jacket while hunting, forgot that the shell box was in a pocket, and wore the jacket to work on-site. The shells apparently fell out of the pocket while he was riding the Unit 3 reactor building elevator, where the shells were later found. Fuel present at site. Unit 3 was shutdown, with the core off-loaded. Unit 2 continued to operate at 100 percent power. Fuel present at site.

VII-85-15 11/13/85 Millstone 1 and 2
Northeast Nuclear Energy Company
New London County, CT

A loaded .38-caliber revolver was found in a briefcase during the search of a truck tractor leaving the protected area. The truck had come on-site to pick up a radwaste shipment, and the driver was escorted within the protected areas at all times. Truck time on-site was from 10:04 a.m. to 1:15 p.m. The entrance search did not find the weapon. The security officer who performed the search was suspended. Fuel present at site.

VII-85-16 12/05/85 North Anna
Virginia Electric and Power Company
Louisa County, VA

At 6:24 p.m., a loaded .44-caliber revolver was found in a satchel belonging to a licensee mechanic. It was identified by X-ray examination during routine search at entry to the protected area. The owner claimed he had forgotten to remove the weapon from the satchel. He was denied access, and his badge was voided. Fuel present at site.

VII-85-17 12/11/85 Nuclear Fuel Services, Incorporated
Erwin, TN

At 2:15 p.m., union pickets threw rocks at a tanker truck carrying uranium nitrate solution as it left the plant parking lot. One rock apparently cracked the windshield. The driver allegedly fired a warning shot. Union personnel pursued the vehicle and forced it to stop and return. No one was injured. The driver was charged with assault with a vehicle (a misdemeanor).

VII-85-18 12/30/86 Catawba
Duke Power Company
York County, SC

Two contractor vehicles providing service to the cafeteria were allowed escorted entry into the licensee's protected area. Both vehicles were searched before being granted entry. However, upon entering the protected area, one of the vehicle drivers produced a .38-caliber revolver which had not been detected during the search. Fuel present at site.

VII-85-19 12/31/85 North Anna
Virginia Electric and Power Company
Louisa, VA

At 4:45 a.m., a loaded 9-mm automatic weapon was discovered during a routine X-ray search before entering the protected area. The licensee employee was denied access and suspended. Fuel present at site.

VII-86-01 01/25/86 Dresden
Commonwealth Edison Company
Grundy County, IL

During a routine search of hand-carried packages, a .38-caliber automatic pistol was found in a bag carried by a licensee maintenance employee. Supervisory personnel (Security and Operations) questioned the individual immediately after the incident and determined that no immediate threat was posed to the facility. The individual was denied site access and sent home. A background check revealed no problems. The individual was polygraphed and found to be truthful. He received disciplinary suspension and was eventually reinstated. Plant status: Operational. Fuel present at site.

VII-86-02 02/02/86 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

The newly-appointed NRC senior resident inspector for Rancho Seco was denied access to the site when site security personnel found an unloaded .38-caliber revolver and ammunition in his briefcase during a routine search. The briefcase was confiscated, and the inspector was permitted to leave the site. According to the inspector, he lost track of the location of the handgun in the confusion of relocating from out of state. He stated he did not realize the weapon was in his briefcase as he was attempting to enter the Rancho Seco site to bring in personal work materials. At the owner's direction, the licensee released the weapon to an authorized firearms dealer for disposal. Plant status: Operational. Fuel present at site.

VII-86-03 02/05/86 Surry
Virginia Electric and Power Company
Surry County, VA

At 11:30 a.m., a packaged mini-14 rifle passed through X-ray search at the access portal, undetected, into the protected area at Surry. The unloaded rifle was being returned by mail to the licensee's security section after repairs. Plant status: Operational. Fuel present at site.

VII-86-04 02/23/86 Sequoyah Fuels Corporation
Gore, OK

At 2:30 a.m., an unknown assailant, dressed in camouflage garb, fired three shots at a security guard on a routine motorized patrol who had dismounted to check padlocks. One bullet hit the guard in the arm, and the other two bullets hit the patrol vehicle. The assailant fled on foot down an adjacent road. The guard was treated at a local hospital and released. The County Sheriff's Office and the Oklahoma State Highway Patrol were notified. An investigation determined that a hole had been cut in the fence fabric, and three .22 shell casings were found on-site. A search of the facility detected

no further penetration or tampering. Sequoyah Fuels possesses only source material which is not subject to NRC physical security requirements.

VII-86-05 03/12/86 Nuclear Fuel Services, Inc.
Erwin, TN

See Category VI, Item VI-86-01.

VII-86-06 03/23/86 Farley
Alabama Power Company
Houston County, AL

At 10:25 a.m., an officer stationed in the central alarm station accidentally discharged a .38-caliber revolver while dry-firing. No damage to the security systems occurred. The officer was placed on administrative leave. After disciplinary action, the officer was returned to duty. Plant status: Operational. Fuel present at site.

VII-86-07 03/24/86 Nuclear Fuel Services
Erwin, TN

At 11:15 p.m., on March 24, 1986, the security force heard blasts that appeared to be firearms in the area near the entrance to the licensee's property. A security patrol dispatched to investigate was subjected to a firecracker blast thrown under the vehicle. At 11:45 p.m., three firearm discharges were heard along the perimeter of the owner-controlled area. A member of the security force observed a vehicle leaving the area after the shots were fired. Investigation revealed three empty shotgun shell casings near a Nuclear Fuel Services sign at the property line. It was determined that three shots (two slugs and one 00 buckshot) had been fired into the sign. The local law enforcement authorities were notified and the Unicoi Sheriff's Department personnel responded. They took custody of the empty shotgun shells and made a report of the incident. The event was believed to be strike-related. Fuel present at site.

VII-86-08 03/27/86 Davis-Besse
Toledo Edison Company
Ottawa County, OH

Alcoholic beverages and firearms were discovered and confiscated as a result of licensee-conducted unannounced random inspections of cars entering the owner-controlled area parking lot. Warnings were issued to personnel involved (contractors). Subsequent to the vehicle entry searches, the licensee's drug-detecting dog identified the presence of marijuana in a contractor vehicle, and visual observation of the vehicle showed drug-related paraphernalia. The contractors were identified and admitted using marijuana off-site, before work. Both contractors' jobs were terminated and their accesses to the plant revoked. Plant status: Shutdown for equipment repairs. Fuel present at site. (See also Item IX-86-07.)

VII-86-09 04/07/86 Point Beach
Wisconsin Electric Power Company
Manitowoc County, WI

At 12:26 a.m., in the gun room, a security officer emptying shells from a shotgun accidentally dropped a single round of buckshot which discharged. Another security officer in the room was struck in the foot. He was transported to the hospital, treated for contusions to the foot, and released. Plant status: Operational. Fuel present at site.

VII-86-10 04/09/86 Beaver Valley
Duquesne Light Company
Beaver County, PA

A round of ammunition accidentally went off in the security building at 6:50 a.m. A security guard had unloaded his revolver and was turning it in at shift change when the six rounds not contained in a speed loader were accidentally dropped about one foot onto the table top. One security guard suffered minor powder burns and was taken to a local hospital for examination. Plant status: Unit 1, Operational; Unit 2, Preoperational. Fuel present at site.

VII-86-11 04/21/86 San Onofre
Southern California Edison Company
San Diego County, CA

At 9:30 p.m., shots were fired by an unknown assailant at a vehicle operated by a contractor employee who was making a routine motorized theft abatement tour of the owner-controlled area known as the "Mesa." The shooting occurred three-quarters of a mile outside the protected area. The FBI investigation determined no prime suspect. This was an isolated incident. Plant status: Operational. Fuel present at site.

VII-86-12 05/08/86 Kewaunee
Public Service Corporation
Kewaunee County, WI

A .38-caliber round was found imbedded one+ inches deep in the pages of a manual binder on the second floor of the entrance facility (outside the protected area). Trajectory holes in the adjacent double-sided wall indicated the bullet may have come from an administrative office used by contract guard managers, where they occasionally cleaned their weapons. Investigation indicated that approximately three months previously, a round had been dropped and discharged. The licensee banned weapons-handling or cleaning in administrative areas. Plant status: Operational. Fuel present at site.

VII-86-13 05/16/86 UNC Naval Products
Division of UNC Resources, Incorporated
Uncasville, CT

At 2 p.m., an ambulance driven by a volunteer arrived at the site in response to a medical emergency. A security guard was assigned to escort the ambulance into the site protected area. As the ambulance was driving into the site (about 30" inside the protected area), the driver informed the security guard that he was carrying a weapon. The security guard immediately took possession of the weapon. Due to the nature of the emergency, neither the ambulance nor the driver had been searched before entering the protected area. The ambulance driver was employed as an armed guard and received the emergency call while en route home from his place of employment. Licensee management verified the ambulance driver's employment and that he was authorized to carry a handgun. The ambulance and driver were under escort by an armed security guard at all times while within the protected area. Fuel present at site.

VII-86-14 07/17/86 Limerick
Philadelphia Electric Company
Montgomery County, PA

At 1:50 p.m., a large truck delivering steel to the site was searched before entering the protected area. An unloaded .22-caliber handgun was found in the truck's sleeper compartment. The gun was confiscated by the licensee's security force and turned over to local law enforcement authorities. The truck driver stated that the gun was kept for protection; however, he had no permit for the weapon. Police did not press charges. The steel was allowed to be delivered, with the driver under escort. Plant status: Unit 1, Operational; Unit 2, under construction. Fuel present at site.

VII-86-15 07/17/86 Maine Yankee
Maine Yankee Atomic Power Company
Lincoln County, ME

A security guard inadvertently fired a live round into a wall in the security training room. No injuries resulted, and the bullet did not penetrate the wall. Training was being conducted using dummy rounds. A live round was inadvertently mixed with the dummy rounds. The individual was suspended for three days. From then on, dry firing was conducted at a range, instead of in a training room, and the licensee provided ammunition pouches which have dummy rounds. Plant status: Operational. Fuel present at site.

VII-86-16 08/13/86 Quad Cities
Commonwealth Edison Company
Rock Island County, IL

During the morning, a licensee employee brought three rounds of .22-caliber ammunition into the plant without the ammunition being

detected by the security search equipment. The three rounds of ammunition were in the employee's lunch box, in a plastic bag containing about 50 rounds of .44-caliber brass cartridges (empty casings). Another station employee discovered the ammunition lying on a desk and notified the security department. The ammunition and brass cartridges were confiscated. Preliminary investigative results indicated that the station man was unaware of the three rounds of ammunition being among the .44-caliber brass cartridges. The employee brought the brass cartridges on-site to give to another employee, who reloaded rounds at his off-site residence. Plant status: Operational. Fuel present at site.

VII-86-17 08/22/86 Ft. St. Vrain
Public Service Company of Colorado
Weld County, CO

A contract employee of Public Service Company of Colorado alleged that he entered and exited the Public Service Company site sometime in June 1986, with a .22-caliber handgun in his boot. The Public Service Company was informed of this claim in late August. The employee's badge was withdrawn, and his employment was terminated. The allegation could not be confirmed or denied. Plant status: Shutdown. Fuel present at site.

VII-86-18 08/24/86 Grand Gulf
Mississippi Power and Light Company
Claiborne County, MS

At 7:14 a.m., security personnel discovered a .38-caliber revolver loaded with four rounds in a lunch bag being processed through X-ray equipment at the primary access portal. The weapon was possessed by a nonlicensed auxiliary operator who was entering the protected area for scheduled work. The individual alleged that the firearm was in the lunch bag by mistake and that he intended to leave the firearm in his private vehicle. Access authorization of the individual was withdrawn. Plant status: Operational. Fuel present at site.

VII-86-19 11/12/86 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

A worker at Rancho Seco found an unattended .38-caliber pistol in a restroom at the site. A security officer later admitted to having accidentally left his weapon in the restroom. The security officer was disciplined. Plant status: Operational. Fuel present at site.

VII-86-20 11/13/86 Millstone
Northeast Nuclear Energy Company
New London County, CT

At 6:30 a.m., a contractor employee with unescorted site access caused an alarm while passing through a metal detector upon entering

the site protected area. The individual immediately reported to the access controller that he was carrying a .22-caliber Derringer in his jacket pocket and voluntarily surrendered the handgun. He stated that he had forgotten to remove the weapon from his jacket after returning from a firing range the previous evening. The weapon was loaded with two rounds of ammunition. After an investigation, the licensee suspended the individual's site access for one year. Plant status: Operational. Fuel present at site.

VII-86-21 11/18/86 McGuire
 Duke Power Company
 Mecklenburg County, NC

At approximately 12 p.m., an officer accidentally discharged a .38-caliber revolver inside the protected area at the facility, within a security locker room. There were no injuries. Plant status: Shutdown. Fuel present at site.

VII-86-22 11/24/86 Limerick
 Philadelphia Electric Company
 Montgomery County, PA

See Category IX, Item IX-86-36.

VII-86-23 12/01/86 Babcock and Wilcox
 Naval Nuclear Fuel Division
 Lynchburg, VA

At 8:20 a.m., a security officer at the facility accidentally discharged a .38-caliber revolver inside a security post, outside of the protected area. The bullet passed through the window of the building and into the ground. There were no injuries. Fuel present at site.

VII-86-24 12/12/86 Palisades
 Consumers Power Company
 Van Buren County, MI

An unidentified male telephoned both the Bangor, Michigan, Fire Department and the South Haven Tribune newspaper threatening to randomly shoot at the Palisades Plant. Both organizations notified the Michigan State Police, who then notified the licensee at 12:32 p.m. The threat, recorded by the Bangor Fire Department, included the statement that "in 30 minutes, I will start randomly shooting at the Palisades Nuclear Plant." No shots were fired. The licensee notified local law enforcement agencies and the FBI. Additional security force and law enforcement armed personnel were positioned on site. Visitation and general access to open areas of the plant were restricted. D. C. Cook Nuclear Plant officials were advised of the threat because of the plant's proximity to Palisades. Plant status: Shutdown for equipment repairs. Fuel present at site.

VII-86-25 12/17/86 Fermi
Detroit Edison Company
Monroe County, MI

At 1 a.m., a semi-tractor trailer carrying safety-related equipment was halted for a routine search at the entrance to the protected area. As the security officers approached the vehicle, they heard what sounded like bullets being unloaded from a weapon. The officer asked the driver if he had any prohibited items in his truck. The driver answered that he did, and produced the following: one .12-caliber gauge sawed-off shotgun; one .22-caliber automatic pistol; 19 shotgun shells; 248 rounds of .22-caliber ammunition; 2 five-inch "boot knives;" and 1 five-inch folding knife. Security guards then searched the truck and found what appeared to be a marijuana pipe. The driver was searched, and an ounce of what was analyzed by the Michigan State Police Laboratory to be marijuana was found in his hat. The individual was denied site access. A Doberman Pinscher dog who was in the truck was turned over to local animal welfare authorities. The individual was arrested by the Michigan State Police and charged with possession of a suspected controlled substance and with one felony count for possession of a concealed weapon. When first asked for identification by security guards, the driver produced a business card indicating his involvement with a para-military organization for hire. Plant status: Operational. Fuel present at site. (Also included in Category IX as Item IX-86-40.)

VII-87-01 03/09/87 Millstone
Northeast Nuclear Energy Company
New London County, CT

At 8:15 a.m., during entry processing, a handgun was discovered in a tractor-trailer driver's boot. After the driver had responded negatively to the standard question of whether he had any cameras, explosives or firearms, and moved the truck into the inspection pen, security personnel observed him removing something from the truck cab and placing it in his boot. Upon questioning before pat-down and metal-detector entry search, the driver voluntarily surrendered a .38-caliber automatic pistol. The Waterford Police took custody of the firearm. After an extensive search, the vehicle was allowed into the protected area under armed guard. After the trailer was offloaded and the driver and his rig were processed off-site, he was turned over to the Waterford Police. Plant status: Operational. Fuel present at site.

VII-87-02 04/01/87 Byron
Commonwealth Edison Company
Ogle County, IL

As a result of a routine vehicle search, a .25-caliber pistol was found in a suitcase belonging to a truck driver who was at the site for a scheduled office trailer pickup. The driver had volunteered the suitcase for X-ray search and explained, after discovery, that he did not know that the weapon was inside. The confiscated suitcase and weapon were returned to him when he left

the site. No charges were filed. Plant status: Operational.
Fuel present at site.

VII-87-03 04/04/87 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

A .25-caliber automatic pistol was found by the search equipment at the protected area access control point. The pistol was contained within a duffle bag being brought on-site by a contract employee doing work within the protected area. The individual stated he had forgotten that he had the weapon in his bag. The individual's site access was revoked. Plant status: Operational. Fuel present at site.

VII-87-04 04/09/87 Braidwood
Commonwealth Edison Company
Will County, IL

A loaded .22-caliber handgun was discovered in an individual's jacket pocket when he attempted to enter the protected area. A voluntary polygraph examination revealed that, contrary to his initial statements, the individual knew the pistol was in his coat when he attempted to enter. The individual was suspended and barred from the site. The weapon was turned over to local law enforcement authorities. Plant status: Preoperational. Fuel present at site.

VII-87-05 04/14/87 Zion
Commonwealth Edison Company
Lake County, IL

At 8 p.m., during shift change, a security officer's .38-caliber revolver discharged into the approved bullet trap (unloading weapon) located in the gatehouse. There were no injuries and no equipment damage. The security officer had followed approved procedures prior to the discharge. Plant status: Operational. Fuel present at site.

VII-87-06 04/20/87 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

Security officers conducting a vehicle search before granting protected area access found a .22-caliber bolt action rifle behind the seat of an equipment truck belonging to a contract cable communications firm installing new telephone lines for the licensee. This was the firm's first visit to the site. Interviews by the licensee's security organization with the individuals involved determined that the action was neither malicious nor deliberate. Plant status: Operational. Fuel present at site.

VII-87-07 05/11/87 Arkansas
Arkansas Power and Light Company
Pope County, AR

See Category IX, Item IX-87-40.

VII-87-08 05/17/87 Catawba
Duke Power Company
York County, SC

X-ray equipment at the primary access portal to the protected area detected a loaded .38-caliber revolver in a licensee employee's lunch bag. An investigation indicated that the attempted introduction was inadvertent. Plant status: Operational. Fuel present at site.

VII-87-09 05/19/87 Ft. St. Vrain
Public Service of Colorado
Weld County, CO

Prior to being searched, a contract guard, also employed part-time by the Colorado Police Department, realized he had his personal sidearm, a .357, in his security holster and notified the search monitor guard. The weapon and ammunition were removed off-site and returned to the employee who locked it in his personal vehicle. Plant status: Operational. Fuel present at site.

VII-87-10 06/15/87 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo, CA

During a routine X-ray search prior to protected area entry, a .357 magnum caliber revolver was located in an employee's backpack. An investigation verified the employee's statement that she had been practicing at a pistol range with a friend earlier in the day and had forgotten to remove the revolver. The handgun was retained by security. The employee was admonished and disciplinary action was taken. Plant status: Operational. Fuel present at site.

VII-87-11 06/25/87 Fermi
Detroit Edison Company
Monroe County, MI

At 8:31 p.m., three individuals drove up near the front gate to the plant. One individual got out of the vehicle and fired a weapon into a field adjacent to the plant property. The individual got back onto the vehicle, and all three drove away. The licensee notified the Michigan State Police. Plant status: Operational. Fuel present at site.

VII-87-12 07/03/87 Limerick
Philadelphia Electric Company
Montgomery County, PA

During a routine X-ray machine search at a protected area entrance point, plant security personnel detected a loaded .38-caliber handgun and a spare clip of ammunition in a contract boilermaker's gym bag. The individual had been badged for unescorted access to the protected area since May 29, 1987. The individual, the handgun and the ammunition were turned over to the police. The contract employee did not have a permit for this weapon. Site access was terminated. Plant status: Shutdown. Fuel present at site.

VII-87-13 07/07/87 Haddam Neck
Connecticut Yankee Atomic Power Company
Middlesex County, CT

A radwaste truck driver voluntarily turned over a handgun to site security personnel upon arrival on-site, prior to the required search of his vehicle for entry to the protected area. Because the weapon was not licensed in the State of Connecticut, the licensee contacted the State Police, in accordance with site policy. The State Police confiscated the weapon and warned the driver about transporting handguns across State boundaries. Plant status: Operational. Fuel present at site.

VII-87-14 07/14/87 Davis-Besse
Toledo Edison Company
Ottawa County, OH

After a minor traffic accident, the occupants of the second vehicle followed a contractor site manager to his personal boat moored at Port Clinton. The contractor went inside the cabin of his boat and returned pointing a M-16 rifle at them. The private citizens left the area and notified the police who arrested the contractor and charged him with aggravated menacing, 1st degree, with an illegal weapon. The contractor's protected area access was revoked by security. Plant status: Operational. Fuel present at site.

VII-87-15 07/31/87 Davis Besse
Toledo-Edison Company
Ottawa County, OH

While performing a routine weapon operability test of a .38-caliber weapon used by a second supervisor, a security shift supervisor accidentally fired a .38-caliber bullet into a filing cabinet in his office. The cylinder had been opened to remove the ammunition prior to dry check but one bullet was prevented from leaving the cylinder by the oversized thumb support on the gun grip. The supervisor had not visually checked the cylinder before pulling the trigger. No one was injured. The licensee has changed procedures and now prohibits supervisors from checking, storing, or cleaning weapons in their office. Plant status. Operational. Fuel present at site.

VII-87-16 08/22/87 Washington Nuclear
Washington Public Power Supply System
Benton County, WA

The licensee's routine required package X-ray screening program revealed a tear gas pistol, fabricated to resemble a standard .22-caliber revolver, in the belongings of a temporary security officer upon his normal entry for work. The security officer noted that the device, which was loaded with 1/16 inch tear gas pellets, belonged to his wife who normally carries it as a self-defense aid when jogging. It had been put in his bag when last they jogged together, and he had forgotten about it. The licensee determined that the device was incapable of firing actual firearm rounds and concluded that the event was innocent. Plant status: Operational. Fuel present at site.

VII-87-17 08/24/87 Washington Nuclear
Washington Public Power Supply System
Benton County, WA

The licensee's routine required search of persons for explosives revealed a pistol magazine containing six .38-caliber shells in the pocket of a plant employee upon his normal entry for work. The person noted that he had been practice firing his personal weapon the day before and had forgotten to remove the clip of shells from his pocket prior to reporting for work. The licensee searched the individual's car and on-site storage locker with negative results. The event was concluded to be innocent in nature. Plant status: Operational. Fuel present at site.

VII-87-18 10/06/87 Fermi
Detroit Edison Company
Monroe County, MI

During entry search of a tractor-trailer cab delivering an empty radwaste container to the plant's protected area, a loaded .25-caliber semiautomatic pistol was found in the driver's personal briefcase. The driver was denied site access and detained until the arrival of the Michigan State Police, who confiscated the weapon and released the driver. Plant status: Operational. Fuel present at site.

VII-87-19 10-22-87 Crystal River
Florida Power Corporation
Citrus County, FL

A loaded .357 revolver was detected in a contractor employee's briefcase during a routine X-ray search, and his site access was terminated. The licensee's investigation indicated that the attempted introduction was inadvertent. Plant status: Operational. Fuel present at site.

VII-87-20 10/23/87 Ft. St. Vrain
Public Service of Colorado
Weld County, CO

During a search for illegal substances, a No. 7-1/2 shot, 12 gauge shotgun shell was located and removed from an employee's locker inside the protected area. The live round was retained by security. Disciplinary action was taken. Plant status: Operational. Fuel present at site.

VII-87-21 10/27/87 Turkey Point
Florida Power and Light Company
Dade County, FL

A loaded .38 semiautomatic weapon was detected in an employee's lunchbox during a routine X-ray entry search. The individual admitted knowing it was there, but had intended to remove it before entering the site. He was put on leave without pay for one day. Plant status: Operational. Fuel present at site.

VII-87-22 10/28/87 Wolf Creek
Kansas Gas and Electric Company
Coffey County, KS

A security officer removed his firearm from its holster when utilizing the restroom facilities and neglected to replace the gun in its holster when he left the area. The firearm was discovered by utility personnel. They notified security who retrieved the gun and accounted for all ammunition. The officer involved was reprimanded and suspended from his duties without pay. Plant status: Operational. Fuel present at site.

VII-87-23 10/29/87 Crystal River
Florida Power Corporation
Citrus County, FL

During a search prior to protected area entry, a .38-caliber automatic pistol with six rounds in the inserted clip was found in the mattress in the sleeper compartment of a truck delivering vital equipment to the facility. The weapon was held by security, and the truck was escorted into the protected area. The weapon was returned to the driver upon his exit from the plant site. Plant status: Shutdown. Fuel present at site.

VII-87-24 11/06/87 Cooper
04/14/88 Nebraska Public Power District
Berrien County, MI

The search of a contractor's vehicle by the security officer on duty was inadequate in that two boxes of shotgun shells (50 rounds), one box of .22-caliber cartridges (50 rounds), and five loose shotgun shells were undetected by the search but were observed by a roving guard in various places within the cab and were in full view after the vehicle's entry into the protected area. A Proposed Notice of Violation and Imposition of Civil Penalty in the amount

of \$25,000 was issued on March 14, 1988, and paid on April 14, 1988. The base amount of the civil penalty was reduced by 50% due to the licensee's identification and reporting of the incident. Plant status: Operational. Fuel present at site.

VII-87-25 11/12/87 Haddam Neck
Connecticut Yankee Atomic Power
Middlesex County, CT

A .38-caliber revolver was detected in the duffle bag of a contract security guard reporting for work when the bag was passed through the metal detector at the protected area primary access control point. The guard stated that it was his personal handgun which he had inadvertently left in the duffle bag from the previous day. The guard was denied access to the plant, and his employment was terminated. Plant status: Shutdown. Fuel present at site.

VII-87-26 11/20/87 Palisades
Consumer Power Company
Van Buren County, MI

During entry search, a security search officer found a .25-caliber handgun in the cab of a contractor vehicle awaiting entry to the protected area to pick up a trailer. The driver denied having any weapons in the vehicle prior to initiation of the search. The weapon was corroded, and no ammunition was found within the vehicle. The driver's access to the site was denied. The state and local police were advised and interviewed the driver. No arrest was made. Plant status: Operational. Fuel present at site.

VII-87-27 12/09/87 Turkey Point
Florida Power and Light company
Dade County, FL

During entry search, a .38-caliber bullet was found in the possession of a visitor entering the protected area. The licensee secured the bullet until the visitor departed from the site. Plant status: Operational. Fuel present at site.

VII-87-28 12/14-18/87 LaCrosse
Dairyland Power Cooperative
LaCrosse County, WI

On December 14, 1987, during a routine weapon inventory, a security force revolver was noted missing from the weapon storage area. On December 18, 1987, after the licensee threatened to polygraph test and to prosecute the individual responsible for the missing weapon, a contractor security guard confessed that he put the weapon in a trash can, took it out at the end of the shift, and threw it in the river after a disagreement with his supervisor over control procedures. The river was searched and the weapon was found. The guard's employment was terminated. Plant status: Shutdown. Fuel present at site.

VII-88-01 01/16/88 Prairie Island
Northern States Power Company
Goodhue County, MN

Shotgun shells were found in a vehicle during entry search. The driver was interviewed, and it was determined there was no malevolent intent. Plant status: Operational. Fuel present at site.

VII-88-02 02/15/88 Calvert Cliffs
Baltimore Gas and Electric Company
Calvert County, MD

An interstate contractor vehicle operator relinquished a .22-caliber pistol and loaded magazine prior to entry search. During entry search, controlled dangerous substances were found in the vehicle. A Maryland State Trooper arrived at the site and verified that the weapon was registered in the State of Virginia. However, he did not have a Maryland gun permit, and the weapon was accessible for his use. The trooper departed from the plant site with the vehicle operator, alleged drugs, weapon, and magazine. The vehicle operator was charged with possession of a controlled dangerous substance and transporting a concealed weapon. He plead guilty. On the marijuana charge, he received a suspended general sentence and must participate in a narcotics users rehabilitation program for 12 months. On the handgun charge, he received a 30-day suspended sentence and 12 months probation. Plant status: Operational. Fuel present at site. (Also included in Category IX as Item IX-88-67.)

VII-88-03 02/15/88 Clinton
Illinois Power Company
DeWitt County, IL

A .22-caliber bullet was found in the protected area. The area was searched, but nothing else was found. Plant status: Operational. Fuel present on site.

VII-88-04 02/17/88 Arkansas
Arkansas Power and Light Company
Pope County, AR

A driver failed to declare a firearm prior to seeking access to the protected area. No threat was identified during an investigation. The weapon and ammunition were turned over to security personnel until the individual and vehicle departed from the protected area. Plant status: Unit 1 Operational; Unit 2, Shutdown. Fuel present at site.

VII-88-05 02/23/88 Calvert Cliffs
Baltimore Gas and Electric Company
Calvert County, MD

An interstate contractor vehicle operator relinquished a 12-gauge unloaded shotgun prior to vehicle search, but failed to disclose a loaded revolver found under the mattress in the sleeping compartment of the vehicle. He stated he thought his wife had removed the weapon prior to his departure. The individual was denied access to the protected area. Licensee personnel moved the load into the protected area. The trailer and the two weapons were returned to the vehicle operator when he departed from the property. Plant status: Operational. Fuel present at site.

VII-88-06 02/26/88 Turkey Point
Florida Power and Light Company
Dade County, FL

At 7:30 a.m., during routine entry screening, a loaded .22-caliber handgun was found in a "tote bag" belonging to a screened, badged employee who claimed that he forgot to remove the gun from the bag before coming to work. The licensee concluded there was no deliberate attempt to bring the firearm into the plant. The individual was suspended from employment for three days. Plant status: Operational. Fuel present at site.

VII-88-07 03/01/88 Haddam Neck
Connecticut Yankee Atomic Power Company
Middlesex County, CT

A third-shift security officer reporting for shift assignment was placed under security escort and removed from the protected area after X-ray detection equipment revealed two boxes of ammunition in the individual's duffel bag. The person's access was immediately revoked, and he was suspended from employment for three days. Plant status: Shutdown. Fuel present at site.

VII-88-08 03/04/88 Harris
Carolina Power and Light Company
Wake County, NC

Training ammunition (one partial carton of .223-caliber and one partial carton of .38-caliber) was stolen from the training range shack located approximately one mile from the site. Both the licensee and the local law enforcement agency conducted investigations with negative results. Plant status: Operational. Fuel present at site.

VII-88-09 03/06/88 Fermi 2
Detroit Edison Company
Newport, MI

A security guard's site access authorization was removed because he pulled his handgun from its holster and pointed it at a second guard during a verbal confrontation. Plant status: Shutdown. Fuel present at site.

VII-88-10 03/07/88 Robinson
Carolina Power and Light Company
Darlington County, SC

During entry search, one round of .38-caliber ammunition was found in a toolbox in a vehicle at Gate 3. The ammunition was secured outside the protected area by a member of the security force, the driver was counseled, and the vehicle allowed to enter. Plant status: Shutdown. Fuel present at site.

VII-88-11 03/13/88 Peach Bottom
Philadelphia Electric Company
York County, PA

An X-ray search detected a CO2 pistol in the possession of a contractor central alarm station/secondary alarm station supervisor. The individual's security badge access was taken out of the computer, and he was denied access to the protected area. An investigation concluded that there was no malicious intent, and access was reinstated. Plant status. Shutdown. Fuel present at site.

VII-88-12 03/29/88 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

X-ray equipment at the protected area entry detected a gun in a duffel bag carried by a contractor employee with unescorted access. The weapon was confiscated, and the individual was detained. The person was granted access after it was revealed that, to save time, he had been directed by the licensee to take the bag containing needed tools from a truck which belonged to a second contractor employee on-site who did not have unescorted access. The contractor employee who owned the bag admitted ownership of the weapon and stated he forgot he had placed the gun in the bag a while back. It was determined there was no malicious intent, and there was no disciplinary action. Plant status: Units 1 and 2, Operational; Unit 2, Shutdown. Fuel present at site.

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VII-88-13 04/05/88 Point Beach
Wisconsin Electric Company
Manitowoc County, WI

A warehouseman found a security force shotgun, Remington Model 870 12-gauge, containing four rounds of 00 buckshot in the backseat of a carryall vehicle that had been used by a patrolling security officer the previous evening to deploy some additional security equipment. An investigation revealed that the weapon had been inadvertently left in the vehicle on April 4, 1988, and that the vehicle had remained within the protected area until discovery. The security officer involved was suspended on April 5, 1988, and subsequently reinstated on April 17, 1988, following counseling and instruction. Shotgun sign-in/out procedures were implemented. Plant status: Operational. Fuel present at site.

VII-88-14 04/06/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

X-ray screening equipment at the protected area entrance detected a loaded .22-caliber automatic pistol in a maintenance employee's personal bag. The person was denied access to the plant, and the local police were notified. The employee did not have a permit for the handgun. He was arrested, and the gun and ammunition were turned over the local law enforcement agency. An investigation revealed the employee had been hunting (getting rid of rodents near his home) prior to reporting for work and forgot to remove the gun prior to entering the plant. The licensee believed the incident was unintentional. The worker's access was reinstated after disciplinary action. Plant status: Operational. Fuel present at site.

VII-88-15 04/13/88 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

X-ray equipment at the protected area entrance detected a .25-caliber pistol in a contractor employee's possession. The weapon was confiscated, and the person was denied access. Interrogation of the individual revealed she carried the weapon for self-protection, and had forgotten to leave it in her car. It was determined no malicious intent was involved, but her employment was terminated. Plant status: Units 1 and 3, Operational; Unit 2, Shutdown. Fuel present at site.

VII-88-16 04/22/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

A weapon was detected on a contract employee (craft worker) during entry search, and access was denied. The weapon was

confiscated, and the owner turned over to Limerick Police.
Plant status: Operational. Fuel present at site.

VII-88-17 04/22/88 Turkey Point
Florida Power and Light Company
Dade County, FL

Two boxes of 12-gauge ammunition were found behind the driver's seat during vehicle entry search. The individual was making a delivery using his father's truck and did not know the ammunition was in the vehicle. There was no indication of intent to deceive. The ammunition was secured at the entry point and access was granted. Plant status: Operational. Fuel present at site.

VII-88-18 04/28/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

An undeclared weapon was detected at the site entrance in the diesel cab of a long-haul truck from the East Coast making a delivery to the site. The driver was denied access. Plant status: Operational. Fuel present at site.

VII-88-19 05/06-16/99 Turkey Point
Florida Power and Light Company
Dade County, FL

After police interrogation, a security officer admitted he fabricated a story about exchanging shots with "armed intruders" in the licensee's owner controlled area on May 6, 1988. He encountered three unknown persons in a picnic area, asked them what they were doing, and drew his firearm after one of the men made a racial remark and pushed him. The weapon discharged and struck the licensee's pickup truck that the guard was driving. The persons ran into the water and departed on two boats. The security guard realized that he had not behaved appropriately and invented a story about an "armed intruder", reloaded his revolver, broke out the driver's side window of the truck, and fired six rounds into the woods. He then returned to the plant and reported that he had been fired on. The guard's site access was terminated, and he resigned from the contract guard company. The State of Florida has declined to prosecute. Plant status: Unit 3, Operational; Unit 4, Shutdown. Fuel present at site.

VII-88-20 06/06/88 South Texas
Houston Lighting and Power Company
Matagorda County, TX

At 7:15 p.m., a nonsecurity employee found a live .22-caliber long rifle bullet, covered with dirt and rust, at the south end of the 83-foot level of the Unit 1 turbine. It is believed the bullet must have been inside the building for a long period of

time. A search was conducted of the entire building with negative results. Plant status: Shutdown. Fuel present at site.

VII-88-21 06/09/88 Clinton
Illinois Power Company
De Witt County, IL

While processing through the operations gatehouse search equipment, a 20-gauge shotgun shell was discovered in an employee's jacket pocket. The individual stated that he had last worn the jacket on a hunting trip in the fall and was unaware that the shotgun shell was in the pocket. After a hand-search, the employee was advised of proper procedures and allowed into the protected area. Plant status: Operational. Fuel present at site.

VII-88-22 06/13/88 Point Beach
Wisconsin Electric Power Company
Manitowoc County, WI

During a routine protected area entry search of a contractor vehicle, a .45-caliber automatic weapon with the clip partially inserted was detected under the driver's seat. The person's site access was terminated. Plant status: Operational. Fuel present at site.

VII-88-23 06/20/88 Harris
Carolina Power and Light Company
Wake County, NC

During routine entry X-ray search, a .38-caliber handgun was detected in a vending company employee's purse. The individual stated that she routinely carried a handgun because she always had a large sum of money on her person. She normally secured the weapon in her vehicle outside the protected area prior to plant entry, but forgot to do so in this instance. Interrogation of the individual established a lack of malevolent intent. The person was counseled, and access has not been denied. Plant status: Operational. Fuel present at site.

VII-88-24 06/21/88 Vogtle
Georgia Power Company
Burke County, GA

A security officer returned to the alarm station after his patrol and discovered he had lost his bullet holder loaded with ammunition. A search was conducted, and the holder and ammunition were found. Plant status: Operational. Fuel present at site.

VII-88-25 06/24/88 Fort St. Vrain
Public Service Company of Colorado
Weld County, CO

During entry search, a .25-caliber automatic handgun was found in the cab of a truck belonging to an air products company making a routine delivery of helium. The driver said he had forgotten about the weapon which he had purchased to take home. The weapon was retained in the parcel search room while the truck delivery continued with two armed security escorts. When the driver and his helper were processed out, the weapon was returned to him. Plant status: Operational. Fuel present at site.

VII-88-26 06/30/88 Turkey Point
Florida Power and Light Company
Dade County, FL

During entry search of hand-carried items, a weapon was found in an employee's bag, and access was denied. The individual had placed the weapon in her bag to carry from her house to her vehicle and forgot to leave it in the vehicle. There was no indication of malicious intent. The individual was disciplined by the supervisor. Plant status: Operational. Fuel present at site.

VII-88-27 07/06/88 Davis Besse
Toledo Edison Company
Ottawa County, OH

During a routine search at the owner controlled area gate, a simulator hand grenade and one surface trip flare, found in the trunk of a car belonging to a contractor who was in-processing, were confiscated. The licensee notified the Bureau of Alcohol, Tobacco and Firearms (ATF) and the FBI. The individual, who stated he had the items since his discharge from the military a year ago, was placed on the denied access list, and the devices were transported to Camp Perry, a military facility, for the FBI's custody. The licensee, FBI, and ATF concluded the individual posed no threat to the facility. Plant status: Shut-down. Fuel present at site.

VII-88-28 07/11/88 Arkansas
Arkansas Power and Light Company
Pope County, AR

During a protected area vehicle entry search, an undeclared 22-caliber revolver was confiscated. The driver disavowed any knowledge of the weapon and stated that the vehicle belonged to his female passenger. She admitted ownership of the weapon and stated there were no other firearms in the vehicle. A further search revealed a .22-caliber automatic handgun and a .38-caliber revolver which were also confiscated. The Pope County Sheriff's Office verified that none of the weapons were

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stolen. The vehicle was then allowed to enter the protected area. The firearms were returned to the driver and the passenger when they exited the site. Plant status: Operational. Fuel present at site.

VII-88-29

07/13/88

Harris
Carolina Power and Light Company
Wake County, NC

A contractor employee unintentionally introduced a loaded five shot, .38-caliber revolver into the protected area. Upon discovery of the gun in her purse, the employee immediately notified security who confiscated the weapon. An investigation determined the X-ray equipment was functional and revealed the employee presented her purse for X-ray examination; however, the security officer failed to detect the presence of the handgun and did not direct a hands-on search of the handbag. Both individuals involved in the event were given disciplinary action and retraining prior to resuming their assigned duties. Plant status: Operational. Fuel present at site.

VII-88-30

07/13/88

Turkey Point
Florida Power and Light Company
Dade County, FL

A box of .45-caliber ammunition was found during entrance search of an employee's hand-carried items. The individual explained that the bag was used to move the gun and ammunition from the person's house to the car. The gun was removed prior to plant entry, but the ammunition had been forgotten. The ammunition was secured, and the individual was granted access. There was no evidence of malevolent intent. Plant status: Operational. Fuel present at site.

VII-88-31

08/03/88

Turkey Point
Florida Power and Light Company
Dade County, FL

Six rounds of .357 ammunition were found during entry search of an employee's hand-carried items. The individual said he forgot to remove the ammunition from a bag that was used for a recent visit to a firing range. The individual was granted plant entry and subsequently disciplined by his supervisor. Plant status: Operational. Fuel present at site.

VII-88-32

08/11/88

River Bend
Gulf States Utilities
West Feliciana Parish, LA

A security officer discovered a security vehicle containing a 12-gauge shotgun and 12 rounds of ammunition unlocked and unattended in the protected area. The vehicle was secured. Plant status: Operational. Fuel present at site.

12/31/88

VII-88-33 08/18/88 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo County, CA

A box of shotgun shells was found in a vehicle prior to entering the protected area. The driver was advised not to carry these types of items inside his delivery vehicle. The box of shells was held at the security building and returned to the driver when he exited the site. Plant status: Operational. Fuel present at site.

VII-88-34 08/24/88 Grand Gulf
Mississippi Power and Light Company
Claiborne County, MS

During X-ray entry search, a weapon was found on a licensee employee. The individual's access was removed. An investigation determined the employee inadvertently left the pistol in her purse, and there was no evidence of malevolent intent. After disciplinary action, the employee's access was reinstated. Plant status: Operational. Fuel present at site.

VII-88-35 08/31/88 Turkey Point
Florida Power and Light Company
Dade County, FL

A .25-caliber pistol was found during entry search of an employee. The person had a valid weapon permit, but he forgot to leave the weapon in his vehicle. There was no evidence of malevolent intent. Plant access was granted, and the individual was subsequently disciplined by his supervisor. Plant status: Operational. Fuel present at site.

VII-88-36 09/05/88 Nuclear Fuel Services, Incorporated
Erwin, TN

At 1:30 p.m., a member of the licensee security force accidentally discharged his .357-caliber revolver, wounding himself in the calf. The guard was hospitalized. The licensee's investigation determined that the event was the result of human error. Corrective action included increased training in the use of firearms.

VII-88-37 09/09/88 Arkansas
Arkansas Power and Light Company
Pope County, AR

During protected area vehicle entry search, the security officer discovered an undeclared, loaded .38-caliber revolver and some ammunition. The driver stated the contraband was his, and that a family member must have placed it in the truck just prior to the trip. The weapon and ammunition were secured, and approval was granted for the vehicle to enter the protected area. The Sheriff's Office confirmed that the gun was not

stolen, and the contraband material was returned to the driver when he left the site. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

VII-88-38 09/09/88 Turkey Point
Florida Power and Light Company
Dade County, FL

During entry search, .35-caliber ammunition was found inside a bag in the cab of a truck. The driver explained he forgot to leave the ammunition in his personal vehicle. The driver's employer was notified. The ammunition was secured, and plant access was permitted. Plant status: Operational. Fuel present at site.

VII-88-39 10/05/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

An undeclared firearm and ammunition were detected at the site entrance on a contractor employee driving a rental truck. The individual was denied access. Plant status: Operational. Fuel present at site.

VII-88-40 10/10/88 Grand Gulf
Mississippi Power and Light Company
Claiborne County, MS

Two Ruger P-85 9-millimeter pistols with no ammunition were located in an unauthorized area in the receiving warehouse. The weapons were in 1 of 25 packages delivered by United Parcel Service on October 10, 1988, and the firearms were not detected by X-ray during the package search. All packages received in the shipment were rescreened, and no other contraband was identified. Plant status: Operational. Fuel present at site.

VII-88-41 10/11/88 Arkansas
Arkansas Power and Light Company
Pope County, AR

During protected area vehicle entry search, an undeclared, loaded .38-caliber revolver, 11 rounds of ammunition, and about 100 rounds of .22-caliber ammunition were found. The driver stated that he had asked his son to remove the gun and ammunition prior to the trip. The weapon and ammunition were secured. A further search revealed two bottles of whiskey in the vehicle. The driver claimed he did not know the liquor was in the vehicle. The driver and truck were not allowed to enter the protected area. The material was delivered into the protected area by licensee employees in a licensee designated vehicle. The weapon and ammunition were returned to the driver when he exited the site. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site. (Also included in Category IX as Item IX-88-382.)

VII-88-42 10/14/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

X-ray equipment at the site entrance detected an undeclared, unloaded firearm on a licensee employee (security officer). The gun was removed and kept off-site. The licensee's investigation determined the employee had been practicing with the weapon at a nearby firing range and had failed to remove it from his personal duffel bag. The employee received disciplinary action. Plant status: Operational. Fuel present at site.

VII-88-43 10/19/88 Hatch
Georgia Power Company
Appling County, GA

During a search prior to protected area entry, a handgun was detected in a contractor's possession and turned over to security. The individual's employment was terminated. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

VII-88-44 11/14/88 Fermi
Detroit Edison Company
Monroe County, MI

A .22-caliber round was found in the protected area and turned over to security personnel. A search of the area was conducted with negative results. Plant status: Operational. Fuel present at site.

VII-88-45 11/14/88 Turkey Point
Florida Power and Light Company
Dade County, FL

One round of 9-millimeter ammunition was found on an employee during entry processing and access was denied. An investigation determined there was no malevolent intent, and the individual was permitted access. Plant status: Shutdown. Fuel present at site.

VII-88-46 11/18/88 Fort Calhoun
Omaha Public Power District
Weld County, CO

X-ray equipment detected a loaded .25-caliber weapon on a licensee employee as he attempted access into the protected area. His site access was immediately suspended. Following an investigation, the person's employment was terminated. Plant status: Shutdown. Fuel present at site.

12/31/88

VII-88-47 11/19/88 Fermi
Detroit Edison Company
Monroe County, MI

One speed loader with six rounds of .38-caliber wadcutters was found in the protected area and turned over to security. The ammunition was determined to be training rounds. Plant status: Operational. Fuel present at site.

VII-88-48 11/26/88 La Salle
Commonwealth Edison Company
La Salle County, IL

A security supervisor removed his weapon from his holster while using the restroom next to the main security control center and did not put the gun back in the holster upon leaving. He realized he had forgotten the weapon and retrieved it. The employee was disciplined for failure to maintain control of the weapon. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

VII-88-49 11/28/88 Brunswick
Carolina Power and Light Company
Brunswick County, NC

During protected area entry search of a licensee's vehicle, a handgun was found in a bag in the glove compartment. The driver stated he forgot to remove his target pistol from the vehicle. The handgun was held by security and returned to the individual when he left the site. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

VII-88-50 12/04/88 Millstone
Northeast Nuclear Energy
New London County, CT

Two .22-caliber "short" rounds were found by a contract security employee within the south access point. The rounds were located just outside of the protected area on the floor of the exit processing lane. The location of the rounds strongly implied that they had been within the protected area. All individuals who exited the protected area during the half hour prior to the discovery of the rounds were interviewed with negative results. Plant status: Operational. Fuel present at site.

VII-88-51 12/05/88 Dresden
Commonwealth Edison Company
Grundy County, IL

At 7:35 a.m., after a contract employee alarmed the protected area portal metal detector, the individual declared to security that he had a weapon on his person that he had forgotten to remove from the pocket of his vest after a move from one

residence to another over the December 3-4, 1988 weekend. His employment was terminated by the contractor, and the weapon was turned over to the local law enforcement agency. Plant status: Unit 2, Shutdown; Unit 3, Operational. Fuel present at site.

VII-88-52 12/15/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

During a routine protected area entry search, a loaded .38-caliber revolver was found under the mattress in the sleeping compartment of a truck after the driver stated he had no weapon except a knife. He was arrested by the local police for possession of a concealed, unregistered handgun. Plant status: Operational. Fuel present at site.

VII-88-53 12/16/88 Byron
Commonwealth Edison Company
Ogle County, IL

During a routine protected area vehicle entry search, an undeclared, loaded 32-caliber revolver was found in an attache case in the cab of a truck and confiscated. The local law enforcement authorities were notified and arrested the driver on a misdemeanor possession of a concealed weapon. The individual was barred from the site. Plant status: Operational. Fuel present at site.

VII-88-54 12/16/88 Harris
Carolina Power and Light Company
Wake County, NC

During an X-ray search prior to protected area entry, a weapon was detected in a plant employee's purse and confiscated. The individual stated she carried the weapon for protection and had forgotten to remove it. The licensee determined there was no malevolent intent. The employee was escorted to her vehicle, and the weapon returned to her. She was subjected to disciplinary action. Plant status: Operational. Fuel present at the site.

VII-88-55 12/16/88 Nuclear Fuel Services, Incorporated
Erwin, TN

At 3:45 a.m., a .22-caliber bullet, probably fired from the vicinity of a nearby railyard, struck bullet-resistant glass in an elevated security observation post at the site. A train was passing on nearby tracks at the time of the incident. No one was injured and the bullet did not penetrate the glass. The licensee increased security and notified the local law enforcement officials and the F.B.I. The local law enforcement responded to the site and conducted an investigation with negative results.

VII-88-56

12/28/88

River Bend
Gulf States Utilities
West Feliciana Parish, LA

An employee discovered a .270-caliber live rifle cartridge lying on the ground within the protected area. An investigation was conducted with negative results. Since the cartridge is a common deer hunting round, it was speculated that a person inadvertently wore a hunting jacket to work and that the cartridge fell out of a pocket. Plant status: Operational. Fuel present at site.

that its quality control program established that the supervisor's sample contained no trace of illegal drugs. The security force supervisor was reemployed by the licensee. Plant status: Shutdown for equipment repair. Fuel present at site.

IX-86-07 03/27/86 Davis-Besse
 Toledo Edison Company
 Ottawa County, OH

See Category VII, Item VII-86-08.

IX-86-08 03/27/86 Perry
 Cleveland Electric Illuminating Company
 Lake County, OH

At 9:10 p.m., on March 27, 1986, a contractor employee (pipefitter) was caught in possession of a small quantity of marijuana in the main parking lot. The individual was denied access to the protected area, and his access authorization was revoked. The local sheriff's department was informed, but declined taking enforcement action because of the small amount involved. Plant status: Preoperational. Fuel present at site.

IX-86-09 04/03/86 Crystal River
 Florida Power Corporation
 Citrus County, FL

The licensee reported that he had completed an investigation of alleged marijuana use by eleven members of the contract security force. The investigation resulted in five job terminations, three individuals were entered in a rehabilitation program and three persons were cleared. Plant status: Operational. Fuel present at site.

IX-86-10 04/07/86 Susquehanna
 Pennsylvania Power & Light Company
 Luzerne County, PA

At 7:15 a.m., two female Pennsylvania Power & Light nonsupervisory clerical employees were denied access to the protected area due to the possession of drug paraphernalia. A subsequent search of one individual's automobile in the main parking lot found a small quantity of marijuana. Both individuals were suspended without pay, pending completion of a drug-screening test. One individual had her employment terminated. The other individual was reemployed by the company, but not at a nuclear power plant. The local police were informed and investigated, but no charges were filed. Plant status: Operational. Fuel present at site.

IX-86-11 04/07/86 Clinton
 Illinois Power Company
 DeWitt County, IL

At 12:30 p.m., during normal search procedures, site security identified a controlled substance in a contractor employee's possession when he attempted to gain access to the protected area, via the craft security portal. The employee denied knowledge of the controlled substance. Access was denied. The individual agreed to chemical analysis of body fluids. The DeWitt County Sheriff was notified. Plant status: Preoperational. Fuel present at site.

IX-86-12 04/23/86 Perry
 Cleveland Electric Illuminating Company
 Lake County, OH

At 12:20 p.m., a contractor employee was caught in possession of a small quantity of marijuana in the main parking lot. The individual was denied access to the protected area, and his access authorization was revoked. The local Sheriff's Department was informed, but declined taking enforcement action because of the small amount involved. Plant status: Preoperational. Fuel present at site.

IX-86-13 04/25/86 Three Mile Island
 Metropolitan Edison Company
 Dauphin County, PA

At 12:35 a.m., a contract laborer employed by the licensee found a small amount of marijuana (less than one ounce) in a personnel change facility, within the protected area. The substance was immediately turned over to plant security personnel. The licensee conducted an investigation and notified the Pennsylvania State Police. No suspect was identified. Plant status: Unit 1, operational; Unit 2, shutdown. Fuel present at site.

IX-86-14 06/05/86 Hope Creek
 Public Service Electric and Gas Company
 Salem County, NJ

At 11:30 a.m., during a routine search of a contractor's vehicle, two 35-mm photographic film containers were found in a lunch box. A field test on the contents of one container determined it contained marijuana; the other contained an unknown substance in pill form which was turned over to local law enforcement officials for analysis. The driver of the vehicle stated that another employee had asked if he could place the lunch box on the truck bed before the driver approached the plant entrance. This was confirmed by the licensee. The lunch box owner was turned over to local law enforcement officials, and his access authorization was withdrawn. Plant status: Preoperational. Fuel present at site.

randomly tested other employees. The urine testing results proved negative for all security personnel and all but one of the randomly selected personnel tested, who had evidence of marijuana in his sample. The individual was suspended. Plant status: Unit 1, Operational; Unit 2, Preoperational. Fuel present at site.

IX-86-31 10/20/86 Palisades
Consumers Power Company
Van Buren County, MI

As part of an established fitness for duty program, Palisades tested all site employees for drug residues. Two individuals tested positive. The engineer technician who worked in the radiation protection data area was enrolled in a rehabilitation program, with a return to work allowed under certain provisions. The radiation protection technician failed to enroll in the rehabilitation program. His employment was terminated. Neither individual had records of poor job performance. Plant status: Shutdown for equipment repair. Fuel present at site.

IX-86-32 10/29- Kerr-McGee Chemical Company
11/03/86 West Chicago, IL

A small bag containing marijuana was discovered in the women's washroom on-site October 29, 1986. A female health physics technician trainee, hired five months previously, admitted ownership and was suspended on October 31, 1986. Her employment was terminated on November 3, 1986. Licensee management stated that the individual worked under direct supervision of experienced technicians and was not in a position to affect the licensee's program.

IX-86-33 10/20/86 Oyster Creek
Jersey Central Power & Light Company
Ocean City, NJ

A supervisor suspected that he smelled marijuana smoke while touring the new radwaste building located inside the protected area of the plant. The supervisor also observed a contract laborer in the area who was smoking. The supervisor immediately informed the security force of his suspicions. The laborer and four other contract laborers who had been working in the same area were interviewed. They denied smoking marijuana and refused to take a drug test. During questioning by site security, one of the laborers produced a small clear plastic bag full of a white powdery substance, which he claimed was headache powder. It was confiscated and turned over to the Lacey Township Police for analysis. A physical search of the laborers was also conducted. A foil packet full of white, powdery substance was found in the wallet of the laborer who had been carrying the "headache powder." This was also analyzed by the Lacey Township Police. No other substances was found. Site access for the five laborers was terminated. The contractor subsequently discharged them. Plant status: Shutdown for refueling. Fuel present at site.

IX-86-34 11/05/86 Grand Gulf
Mississippi Power and Light Company
Clairborne County, MS

Drug Enforcement agents arrested a quality assurance inspector for suspected drug involvement off-site. The individual's employment was suspended, and his site access revoked. Plant status: Operational. Fuel present at site.

IX-86-35 11/07/86 Waterford
Louisiana Power & Light Company
St. Charles Parish, LA

The licensee reported that a health physics supervisor resigned because he failed a drug screening test. Plant status: Operational. Fuel present at site.

IX-86-36 11/24/86 Limerick
Philadelphia Electric Company
Montgomery County, PA

Security force members discovered approximately 8 grams of marijuana during a routine patdown search of a trucker attempting to gain escorted visitor access to plant protected area to deliver construction materials. The trucker voluntarily surrendered the marijuana and was arrested by the Limerick Township Police. He was fined for disorderly conduct, released by the police, and subsequently had his truck unloaded by Teamster representatives. He was never inside the protected area. He had also earlier surrendered a loaded 357-caliber magnum revolver to construction security. The gun was checked by local authorities and returned to the trucker when he left the site. Plant status: Unit 1, Operational; Unit 2, Preoperational. Fuel present at site. (See Category VII, Item VII-86-22.)

IX-86-37 11/24/86 Rancho Seco
Sacramento Municipal Utility District
Sacramento, CA

At 7:20 p.m., a security guard found a plastic bag with less than an ounce of marijuana within the protected area, by a vital area gate on the turbine deck. Through computer access records, security personnel limited suspects to three contractor personnel who had been using the vital area gate in the period immediately preceding the discovery. Upon questioning, two of the three individuals denied any knowledge of the marijuana, but the third admitted bringing the bag on-site in his sock. This individual, a craft laborer, was removed from the site and denied further site access. Plant status: Operational. Fuel present at site.

IX-86-38 12/08-31/86 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

On December 8, 1986, a licensee employee noticed an odor in the Unit 1 reactor building. A subsequent investigation by the

licensee identified two items which appeared to be residue from marijuana cigarettes. The licensee's investigation identified 23 persons who might have been in the area. Urinalysis testing was initiated on December 17, 1986. Twenty-two individuals tested negative. One contract employee refused to be tested. His job was terminated. Plant status: Shutdown. Fuel present at site.

IX-86-39 12/12/86 Rancho Seco
Sacramento Municipal Utility District
Sacramento, CA

At 6:30 a.m., a health physics supervisor found a plastic bag with less than an ounce of organic material, later analyzed as marijuana, within the change area on the hallway floor. Local law enforcement was notified, but declined to investigate. Plant status: Operational. Fuel present at site.

IX-86-40 12/17/86 Fermi
Detroit Edison Company
Monroe County, MI

See Category VII, Item VII-86-25.

IX-86-41 12/18/86 Palisades
Consumer Power Company
Van Buren County, MI

As a result of recent drug testing under their fitness for duty program, the licensee identified one individual who tested positive. This individual, a contract radiation protection technician, worked on-site less than a month and had a good work record. His site access was terminated. Plant status: Operational. Fuel present at site.

IX-86-42 12/24/86 Pilgrim
Boston Edison Company
Plymouth County, MA

Local authorities announced that a licensee health physics technician, employed as a temporary health physics supervisor during the plant outage, died on December 24, 1986, from a cocaine-induced drug overdose at his residence in Plymouth, Massachusetts. Local police told the licensee that the individual was not a previously known drug user or dealer. No drug usage on-site had been noted. Following the incident, the licensee increased drug surveillance activities (search dogs and inspections). No indication of drug substances or use on-site was found. Plant status: Operational. Fuel present on site.

IX-87-01 01/06/87 Diablo Canyon
Pacific Gas & Electric Company
San Luis Obispo County, CA

During a protected area entry search, a leather pouch in the pocket of a warehouse employee caused the fixed metal detector to announce twice. The pouch contained: a razor blade, a straw, a small spoon, a mirror, and a vial with traces of a white residue. The licensee's field test identified the residue to be cocaine (less than one gram). The employee denied using any drug since February 1986. He indicated that he had received this pouch as a gift and, while in the process of cleaning his apartment, had forgotten that he had placed this pouch in his pocket. The employee was denied access to the protected area and was given a urinalysis test. The result was positive, and his employment was terminated. Plant status: Operational. Fuel present at site.

IX-87-02 01/07/87 Pilgrim
Boston Edison Company
Plymouth County, MA

During a routine afternoon tour by licensee security personnel, two contractor personnel were observed consuming alcoholic beverages in their vehicles in the contractor parking lot. The licensee terminated both individuals' employment. Plant status: Operational. Fuel present at site.

IX-87-03 01/13/87 Catawba
Duke Power Company
York County, SC

A security specialist was arrested off-site for possession of drugs with the intent to distribute and for criminal conspiracy. The individual was relieved of duty at the site. The licensee's site security organization cooperated with local law enforcement officials in the investigation of drug activity. There was no indication that plant operators were involved. Plant status: Operational. Fuel present at site.

IX-87-04 01/14/87 Dresden
Commonwealth Edison Company
Grundy County, IL

During a routine entry search, a contractor employee exhibited slurred speech and the odor of alcohol was detected. A full beer can was discovered in his coat during the search. He was denied access, and his employment was terminated. Plant status: Operational. Fuel present at site.

IX-87-132 12/09-10/87 Palisades
Consumers Power Company
Van Buren, MI

On December 9, 1987, alcohol was detected on the breath of an on-duty contractor by licensee employees. The individual was escorted from the protected area. The individual failed the "for cause alcohol test". His unescorted access was revoked on December 10, 1987. Plant status: Operational. Fuel present at site.

IX-87-133 12/08-17/87 Limerick
Philadelphia Electric Company
Montgomery County, PA

Three contract laborers involved in a car accident were tested for drugs because contraband was found in their car and confiscated by the police. Two of the individuals tested positive for marijuana. Their employment was terminated, and they were denied site access. The third individual tested negative. Plant status: Operational. Fuel present at site.

IX-87-134 12/10/87 Limerick
Philadelphia Electric Company
Montgomery County, PA

Based on an anonymous allegation, a male and a female janitor were interviewed and admitted to the use of cocaine off-site. Their employment was terminated, and they were denied site access. Plant status: Operational. Fuel present at site.

IX-87-135 12/10/87 Palisades
Consumers Power Company
Van Buren County, MI

Security personnel detected alcohol on the breath of an on duty contractor. The individual failed the "for cause alcohol test". His unescorted access was revoked. Plant status: Operational. Fuel present at site.

IX-87-136 12/11/87 Braidwood
Commonwealth Edison Company
Will County, IL

Based on an allegation (See IX-87-131) of drug abuse, additional testing of selected contractors was conducted. A second contractor employee tested positive for cocaine. His site access was denied, and the licensee reviewed the work he performed for possible safety implications and impact on license issuance. Plant status: Operational. Fuel present at site.

IX-87-137 12/11/87 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

A contract mechanical maintenance employee with unescorted access to vital areas failed the licensee's preemployment urinalysis test, showing positive findings for cocaine. He was denied employment with the licensee, and his site access (as a contractor) was terminated. Plant status: Operational. Fuel present at site.

IX-87-138 12/14/87 Perry
Cleveland Electric Illuminating Company
Lake County, OH

A security officer's employment was terminated as a result of a positive drug screening test. His access was revoked, and he was escorted out of the protected area and off-site. The licensee changed keys and locks. Plant status: Operational. Fuel present at site.

IX-87-139 12/16/87 Palisades
Consumers Power Company
Van Buren County, MI

A licensee employee tested positive for drugs on the fitness for duty screening test. His unescorted access was suspended. Plant status: Operational. Fuel present at site.

IX-87-140 12/16/87 Peach Bottom
Philadelphia Electric Company
York County, PA

A contract worker with access to some vital areas, but primarily utilized in decontamination and housekeeping jobs, caused the total destruction by fire of an off-site house while freebasing cocaine near a stove. He was convicted of arson. The worker has been denied access to the facility. Plant status: Shutdown. Fuel present at site.

IX-87-141 12/17/87 Perry
Cleveland Electric Illuminating Company
Lake County, OH

A security officer's employment was terminated as the result of a positive drug screening test. His access was revoked, and he was escorted out of the protected area. Plant status: Operational. Fuel present at site.

IX-87-142 12/17-21/87 Limerick
Philadelphia Electric Company
Montgomery County, PA

A corporate security investigation yielded an allegation that two contract pipefitters, with protected area access, distributed cocaine on-site and used cocaine in a bathroom on the roof of the

Unit 2 diesel generator building during the summer of 1987. No use or distribution in the protected area was alleged. The allegations were turned over to the FBI. Both individuals had their employment terminated as the result of an unrelated work layoff on December 21, 1987. Three additional contract pipefitters also implicated in the investigation refused to submit to drug testing, and their employment was terminated on December 22, 1987. All were denied site access. One other suspect was coincidentally terminated for absenteeism on December 18, 1987. Plant status: Operational. Fuel present at site.

IX-87-143 12/21/87 San Onofre
Southern California Edison Company
San Diego County, CA

The licensee initiated an investigation based on a complaint that a licensee substance abuse specialist working in the drug screening program had, in some manner, been changing the results of urinalysis tests for friends' samples that might otherwise exhibit drug traces. A special urinalysis test of five known friends of the named individual identified three who tested positive for drugs: a contract clerk had his employment terminated, and an assistant administrative analyst and a nuclear instrument technician were placed in a drug rehabilitation program. A sixth individual, a senior health dosimetry specialist, refused to be tested and resigned. The substance drug abuse specialist, one of two responsible for testing all site employees, was tested and the findings were positive. The licensee's investigation did not confirm that the substance abuse specialist had changed the results of annual urine drug tests. However, his employment was terminated based on a breach of trust. Plant status: Operational. Fuel present at site.

IX-87-144 12/21/87 Palisades
Consumers Power Company
Van Buren, MI

Three contractor employees tested positive for drugs on the periodic fitness for duty test. Their unescorted access was revoked. Plant status: Operational. Fuel present at site.

IX-87-145 12/22/87 Browns Ferry
Tennessee Valley Authority
Limestone County, TN

An employee tested positive for drugs and was removed from the protected area. His unescorted access was revoked. Plant status: Shutdown. Fuel present at site.

IX-87-146 12/22/87 Limerick
Philadelphia Electric Company
Montgomery County, PA

Based on an allegation of drug use, three contract pipefitters were interviewed. One confessed to off-site drug use. His employment was terminated, and he was denied site access. One denied drug use and tested negative. One had been released on December 21, 1987, as a result of a work layoff. Plant status: Operational. Fuel present at site.

IX-87-147 12/23/87 Palisades
Consumers Power Company
Van Buren County, MI

Three contractor employees tested positive for drugs on the periodic fitness for duty test. Their unescorted access was revoked. Plant status: Operational. Fuel present at site.

IX-87-148 12/29/87 Browns Ferry
Tennessee Valley Authority
Limestone County, TN

An employee tested positive for drugs. His unescorted access was revoked. Plant status: Shutdown. Fuel present at site.

IX-87-149 12/30/87 Limerick
Philadelphia Electric Company
Montgomery County, PA

Based upon an allegation of drug use, a janitor was interviewed and admitted off-site drug use. He refused to be tested. His employment was terminated, and he was denied site access. Plant status: Operational. Fuel present at site.

IX-87-150 12/31/87 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

A plant assistant operator tested positive for controlled substance during a random drug screening test. His site access was denied, and his badge was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-01 01/04/88 Peach Bottom
Philadelphia Electric Company
York County, PA

The licensee received an allegation that a contract maintenance employee (catalytic painter) burned his home and that drugs were involved. An investigation determined that the painter had been laid off and did not have access to the site when the allegation was received. The allegation was deemed to be unfounded. Plant status: Shutdown. Fuel present at site.

IX-88-02 01/04/88 San Onofre
Southern California Edison Company
San Diego County, CA

An employee authorized unescorted access failed a drug screening test. His access was suspended. Plant status: Operational. Fuel present at site.

IX-88-03 01/04/88 Wolf Creek
Kansas Gas and Electric Company
Coffey County, KS

Based on an investigation of preemployment activities, a contract janitor was indicted on December 31, 1987, for possession and intent to sell drugs. The employee tested negative for drugs during preemployment screening. The worker's employment was terminated. Plant status: Shutdown. Fuel present at site.

IX-88-04 01/06/88 Brunswick
Carolina Power and Light Company
Brunswick County, NC

Two contract employees tested positive for cocaine. Unescorted access was revoked for both individuals. Status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-05 01/06/88 Salem/Hope Creek
Public Service Electric and Gas Company
Salem County, NJ

A utility employee's routine drug screening test was positive. His unescorted access was revoked. Plant status: Hope Creek, Operational; Salem, Unit 1, Shutdown; Unit 2, Operational. Fuel present at sites.

IX-88-06 01/07/88 FitzPatrick
New York Power Authority
Oswego County, NY

A contract employee's badge was revoked and he was denied unescorted access because of a positive drug screening test. Plant status: Operational. Fuel present at site.

IX-88-07 01/07/88 Peach Bottom
Philadelphia Electric Company
York County, PA

As the result of an FBI drug investigation, a licensee employee arrested on November 18, 1987, implicated a licensed reactor operator and a nonlicensed operator. Both were tested under the fitness for duty program. The licensed operator passed the evaluation and was allowed to return to work. The unlicensed operator failed the evaluation, and his unescorted access was removed. Plant status: Shutdown. Fuel present at site.

IX-88-08 01/07/88 Peach Bottom
Philadelphia Electric Company
York County, PA

The licensee received an allegation that a contract maintenance employee offered to sell marijuana in bulk to another employee. The accused person was interviewed and admitted he sold two pounds of marijuana to the informant and small quantities to former (not current) Peach Bottom employees. The individual was denied access, and the names of the implicated, former employees were placed on the denied access list. Plant status: Shutdown. Fuel present at site.

IX-88-09 01/07/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

Marijuana butts were found in the parking lot off-site. No suspect was identified. Plant status: Shutdown. Fuel present at site.

IX-88-10 01/08-13/88 Beaver Valley
Duquesne Light Company
Beaver County, PA

Based on an anonymous allegation to NRC of substance abuse, two contract technicians were requested to submit to drug testing. One individual declined to be tested, was escorted off-site, and his site access was terminated. On January 13, 1988, the other individual tested positive for cocaine, was escorted off-site, and his site access was terminated. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-11 01/08/88 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

An employee's urinalysis was confirmed positive for illegal drugs. The individual was denied protected area access. Plant status: Unit 1, Shutdown; Units 2 and 3, Operational. Fuel present at site.

IX-88-12 01/08/88 San Onofre
Southern California Edison Company
San Diego County, CA

An employee authorized unescorted access failed a drug screening test. His access was suspended. Plant status: Operational. Fuel present at site.

IX-88-13 01/09/88 Harris
Carolina Power and Light Company
Wake County, NC

Two health physics technicians found a small quantity of marijuana behind a wall mounted radiation monitor in a nonvital area of the turbine building when they performed work on the equipment. The dry, brittle appearance of the substance indicated it had been in place for an extended period of time. No suspect was identified. Plant status: Operational. Fuel present at site.

IX-88-14 01/11/88 McGuire
Duke Power Company
Mecklenburg County, NC

A construction and maintenance department employee's drug screening test was positive. His access was suspended. Plant status: Operational. Fuel present at site.

IX-88-15 01/11/88 Salem/Hope Creek
Public Service Electric and Gas Company
Salem County, NJ

A utility employee tested positive on a routine drug screening test. His unescorted access was immediately revoked. Plant status: Hope Creek, Operational; Salem, Unit 1, Shutdown; Unit 2, Operational. Fuel present at sites.

IX-88-16 01/12-25/88 Duane Arnold
Iowa Electric Light and Power Company
Linn County, IA

A licensee site health physics technician was arrested for drug use on January 12, 1988, during a local law enforcement "sting operation." His access was revoked on January 13, 1988, and a drug test was administered. The result was positive for cocaine, and his employment was terminated on January 25, 1988. Plant status: Operational. Fuel present at site.

IX-88-17 01/12/88 Summer
South Carolina Electric and Gas Company
Fairfield County, SC

A contract security officer, employed at the utility for eight years, tested positive for cocaine during his annual physical

examination. His access was terminated. Plant status: Operational. Fuel present at site.

IX-88-18 01/13/88 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

A licensee employee tested positive for alcohol on a required drug screening test. His unescorted access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-19 01/14/88 Grand Gulf
Mississippi Power and Light Company
Claiborne County, MS

An employee with protected area access tested positive on a drug screening test. His site access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-20 01/14/88 Oconee
Duke Power Company
Oconee County, SC

A construction and maintenance department vendor tested positive on a drug screening test. His access authorization was suspended. Plant status: Operational. Fuel present at site.

IX-88-21 01/14/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

An employee failed the periodic drug screening test. His badge was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-22 01/15/88 Oconee
Duke Power Company
Oconee County, SC

Two construction and maintenance department vendors tested positive on drug screening tests. Their badges were pulled, and access authorization was suspended. Plant status: Operational. Fuel present at site.

IX-88-23 01/19-7/8/88 Turkey Point
Florida Power and Light Company
Dade County, FL

On January 19, 1988, a licensee health physics technician's unescorted access was pulled because of a preliminary positive result on a random drug screening test. On January 22, 1988, confirmatory test results were received, and the individual was reassigned outside of the protected area. On March 7, 1988, the individual was retested, and the results were negative.

The employee's unescorted access authorization was reinstated on March 11, 1988. On March 14, April 11, and May 26, 1988, the individual submitted to unannounced followup drug screening tests, and the results were negative. On June 28, 1988, because of an excessively high rate of absenteeism, the individual was requested to submit to a urinalysis. The results were confirmed positive for cocaine on July 6, 1988. The individual resigned his employment on July 8, 1988. Plant status: Unit 3, Shutdown; Unit 4, Operational. Fuel present at site.

IX-88-24 01/20/88 Callaway
Union Electric Company
Callaway County, MO

A quality assurance engineer, employed since August 1986, notified the utility management of his arrest for possession of marijuana (1/2 joint) on January 20, 1988, and asked to be placed in the utility's drug rehabilitation program. The engineer's employment was suspended, and his security access was terminated. Plant status: Operational. Fuel present at site.

IX-88-25 01/20-3/1/88 D. C. Cook
Indiana Michigan Power Company
Berrien County, MI

At 8:30 a.m., plant management was informed that a draftsman, employed with the site design group, and his wife were arrested for possession of marijuana at their home on January 18, 1988. They paid a fine and were released. The man's employment was suspended. He submitted to a drug test with negative results. On route to the test site, he admitted he was an alcoholic. He was enrolled in an alcohol rehabilitation program. Unescorted access was reinstated on March 1, 1988. Plant status: Operational. Fuel present at site.

IX-88-26 01/21/88 Oconee
Duke Power Company
Oconee County, SC

A construction and maintenance department vendor tested positive on a drug screening test. His badge was pulled. Plant status: Operational. Fuel present at site.

IX-88-27 01/21/88 Peach Bottom
Philadelphia Electric Company
York County, PA

A contract maintenance employee admitted to off-site drug use. He was removed from the site, and his access was denied. Plant status: Shutdown. Fuel present at site.

IX-88-28 01/22/88 Oconee
Duke Power Company
Oconee County, SC

Three construction and maintenance department vendors tested positive on drug screening tests. Their badges were pulled. Plant status: Operational. Fuel present at site.

IX-88-29 01/22/88 Palisades
Consumer Power Company
Van Buren County, MI

The licensee reported that between October 20 and December 10, 1987, unannounced drug tests were performed on 492 licensee employees and 302 contract employees. Seventeen contract and two licensee personnel tested positive. Site access was withdrawn for the contract personnel. The licensee personnel enrolled in the licensee's employee assistance program. All work performed by the individuals was reviewed, and no problems were identified. Plant status: Shutdown. Fuel present at site.

IX-88-30 01/25/88 Big Rock Point
Consumers Power Company
Charlevoix County, MI

A licensee quality control inspector tested positive for alcohol blood levels in excess of .05% during an unannounced on-site drug screening test. The individual's access was suspended. He was referred to a counseling agency for assistance. Plant status: Operational. Fuel present at site.

IX-88-31 01/25/88 Duane Arnold
Iowa Electric Light and Power Company
Linn County, IA

A records technician, employed in the licensee's corporate office, tested positive for marijuana on a routine drug screening test. He was suspended from duty. The individual did not have access to safeguards information. Plant status: Operational. Fuel present at site.

IX-88-32 01/25/88 Fermi
Detroit Edison Company
Monroe County, MI

At 5:30 p.m., during a routine entry search, a security guard found a small amount of marijuana under a mattress in the cab sleeper compartment of a rented delivery vehicle. The licensee accepted the driver's statement that he had no knowledge of the marijuana and escorted him into the protected area. Plant status: Operational. Fuel present at site.

IX-88-33 01/25/88 Ocone
Duke Power Company
Ocone County, SC

A construction and maintenance department employee tested positive on a drug screening test. His badge was placed on "Supervisory Hold," and unescorted access was denied. Plant status: Operational. Fuel present at site.

IX-88-34 01/25/88 Ocone
Duke Power Company
Ocone County, SC

A construction and maintenance department employee tested positive on a drug screening test. He was removed from the protected area, and his unescorted access was denied. Plant status: Operational. Fuel present at site.

IX-88-35 01/25/88 Salem/Hope Creek
Public Service Electric and Gas Company
Salem County, NJ

A contract employee with unescorted access tested positive on a routine drug screening test. He was removed from the site, and his badge was inactivated. Plant status: Hope Creek, Operational; Salem, Unit 1, Shutdown; Unit 2, Operational. Fuel present at sites.

IX-88-36 01/25/88 Seabrook
Public Service Company of New Hampshire
Rockingham County, NH

An employee's protected area access was terminated because of a positive drug screening test. Plant status: Preoperational. Fuel present at site.

IX-88-37 01/25/88 South Texas
Houston Lighting and Power Company
Matagorda County, TX

An employee who had access to safety-related equipment was permanently denied site access because of confirmed positive drug tests. Plant status: Operational. Fuel present at site.

IX-88-38 01/25/88 Trojan
Portland General Electric Company
Columbia County, OR

Two contract employees were terminated from employment because of positive drug screening tests. Plant status: Operational. Fuel present at site.

IX-88-39 01/26/88 Catawba
Duke Power Company
York County, SC

A contract employee was removed from the protected area, and his employment was terminated because of a positive drug screening test. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-40 01/27/88 Millstone
Northeast Nuclear Energy
New London, CT

A contract employee, enrolled in an employee assistance program and under observation for alcoholism, was denied access when he arrived for work under the influence of alcohol. His site access was revoked. Haddam Neck management was notified of the incident. Plant status: Unit 1, Operational; Units 2 and 3, Shutdown. Fuel present at site.

IX-88-41 01/27/88 Perry
Cleveland Electric Illuminating Company
Lake County, OH

A licensee instrumentation and calibration technician tested positive for drugs on a fitness for duty test. His unescorted access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-42 01/27/88 Wolf Creek
Kansas Gas and Electric Company
Coffey County, KS

An employee diluted his drug screening urine sample. His employment was terminated. Plant status: Shutdown. Fuel present at site.

IX-88-43 01/28/88 Peach Bottom
Philadelphia Electric Company
York County, PA

The licensee received an anonymous allegation that lunch wagons serving the site were used as vehicles to sell drugs. Searches were conducted using drug-sniffing dogs with negative results. The investigation determined the allegation was unfounded. Plant status: Shutdown. Fuel present at site.

IX-88-44 01/29/88 Peach Bottom
Philadelphia Electric Company
York County, PA

A contract supervisor found a small white capsule in the administrative building southwest stairwell protected area. The

substance field tested positive for methamphetamine. Plant status: Shutdown. Fuel present at site.

IX-88-45 01/29/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

A miniature bottle of bourbon was undeclared at the site entrance. The employee was allowed on-site under constant escort after the watch commander ensured that no alcohol could be detected on the person's breath. The bottle was held at the security building, then returned to the employee after he exited the site. Plant status: Shutdown. Fuel present at site.

IX-88-46 01/29/88 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

A plant laborer was arrested for possession of a controlled substance off-site. His protected area badge and keycard were deprogrammed and removed from the badge racks. Plant status: Shutdown. Fuel present at site.

IX-88-47 02/01-02/88 Braidwood
Commonwealth Edison Company
Will County, IL

Based on an anonymous allegation, three contract employees were tested for drug use. One tested positive for marijuana, and his employment was terminated. The other individuals tested negative, and they returned to work. Plant status: Shutdown. Fuel present at site.

IX-88-48 02/02/88 San Onofre
Southern California Edison Company
San Diego County, CA

An employee authorized unescorted access failed a drug screening test. His access was suspended. Plant status: Operational. Fuel present at site.

IX-88-49 02/03/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

A contract security force member (watchman) tested positive for drugs during a routine annual physical examination. Backup testing confirmed positive results for codeine and morphine. His employment was terminated. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-50 02/04/88 Catawba
Duke Power Company
York County, SC

A licensee employee was removed from service and the individual's badge removed from the access control system because of a positive drug screening test. Plant status: Unit 1, Operational, Unit 2, Shutdown. Fuel present at site.

IX-88-51 02/04/88 McGuire
Duke Power Company
Mecklenburg County, NC

A station maintenance employee tested positive on a drug screening test. His unescorted access was suspended. Plant status: Operational. Fuel present at site.

IX-88-52 02/04/88 San Onofre
Southern California Edison Company
San Diego County, CA

An employee authorized unescorted access failed a drug screening test. His access was suspended. Plant status: Operational. Fuel present at site.

IX-88-53 02/04/88 St. Lucie
Florida Power and Light Company
St. Lucie County, FL

Two licensee employees refused random drug screening tests. Both individuals had their radiation control and vital area access revoked. Plant status: Operational. Fuel present at site.

IX-88-54 02/05/88 Peach Bottom
Philadelphia Electric Company
York County, PA

The licensee received an anonymous allegation that two contract employees were dealing drugs at the site. The State Police were notified. Both the licensee and the police conducted an investigation with negative results. The two individuals named were laid off approximately three months after receipt of the allegation, and no longer have access. Plant status: Shutdown. Fuel present at site.

IX-88-55 02/05/88 San Onofre
Southern California Edison Company
San Diego County, CA

An employee authorized unescorted access failed a drug screening test. His access was suspended. Plant status: Operational. Fuel present at site.

IX-88-56 02/05/88 Wolf Creek
Kansas Gas and Electric Company
Coffey County, KS

An employee's unescorted access was revoked and his employment terminated when he refused to submit to a mandatory drug screening test. Plant status: Shutdown. Fuel present at site.

IX-88-57 02/08/88 Millstone
Northeast Nuclear Energy Company
New London County, CT

Two contract security sergeants were arrested off-site for possession of cocaine. One individual resigned, and the other's employment was terminated. Plant status: Unit 1, Operational; Units 2 and 3, Shutdown. Fuel present at site.

IX-88-58 02/08/88 San Onofre
Southern California Edison Company
San Diego County, CA

Two employees authorized unescorted access failed drug screening tests. Access was suspended for both. Plant status: Operational. Fuel present at site.

IX-88-59 02/09/88 Catawba
Duke Power Company
York County, SC

A licensee employee was removed from service and the individual's badge was removed from the access control system because he tested positive on a drug screening test. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-60 02/09/88 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

A plant supervisor's unescorted access was revoked because a program audit by the Nuclear Safety Board revealed that he had failed to disclose a conviction for driving while intoxicated and possession of marijuana. His protected area badge was pulled, and his supervisor and site director were notified. Plant status: Shutdown. Fuel present at site.

IX-88-61 02/10/88 North Anna
Virginia Power Company
Louisa County, VA

Field tested marijuana residue was seized during a contract visitor's vehicle entry search. The individual was denied entry, and his name was placed on the "denial list." Plant status: Operational. Fuel present at site.

IX-88-62 02/10/88 Oconee
Duke Power Company
Oconee County, SC

A construction and maintenance department employee tested positive on a drug screening test. His badge was pulled. Plant Status: Units 1 and 3, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-63 02/10/88 Oconee
Duke Power Company
Oconee County, SC

Two construction and maintenance department vendors tested positive on drug screening tests. Their badges were pulled. Plant status: Units 1 and 3, Operational, Unit 2, Shutdown. Fuel present at site.

IX-88-64 02/10/88 Trojan
Portland General Electric Company
Columbia County, OR

A contract security trainee, not yet authorized unescorted access, tested positive for controlled substances in a routine drug screening test. His employment was terminated. Plant status: Operational. Fuel present at site.

IX-88-65 02/11/88 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo County, CA

An employee suspected of being under the influence of alcohol was removed from the protected area, and his card key was removed from the system pending an investigation. The investigation concluded that the individual had some alcoholic beer before reporting for work, and the alcohol smell was on his breath. His foreman did not feel the employee was incapacitated, but access was denied. The individual was counseled and returned to work the following day. Plant status: Operational. Fuel present at site.

IX-88-66 02/11/88 Palisades
Consumers Power Company
Van Buren County, MI

A contract employee tested positive for drugs during his annual physical examination. His unescorted access was revoked, and his employment was terminated. Plant status: Operational. Fuel present at site.

IX-88-67 02/15/88 Calvert Cliffs
Baltimore Gas and Electric Company
Calvert County, MD

See Category VII, Item VII-88-02.

IX-88-68 02/16/88 Brunswick
Carolina Power and Light Company
Brunswick County, NC

A licensee employee tested positive for marijuana. His unescorted access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-69 02/16/88 St. Lucie
Florida Light and Power Company
St. Lucie County, FL

A contract employee tested positive on a random drug screening test. His site access was revoked. Plant status: Operational. Fuel present at site.

IX-88-70 02/16/88 St. Lucie
Florida Light and Power Company
St. Lucie County, FL

An employee tested positive on a random drug screening test. His radiation control area and vital area access was revoked. Plant status: Operational. Fuel present at site.

IX-88-71 02/16/88 Salem/Hope Creek
Public Service Electric and Gas Company
Salem County, SC

A contract employee with unescorted access tested positive in a routine drug screening test. His unescorted access was immediately revoked, and his badge inactivated. Plant status: Hope Creek, Shutdown; Salem, Unit 1, Shutdown; Unit 2, Operational. Fuel present at sites.

IX-88-72 02/16/88 Wolf Creek
Kansas Gas and Electric Company
Coffey County, KS

An employee's positive drug screening test was confirmed. His unescorted access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-73 02/17/88 Salem/Hope Creek
Public Service Electric and Gas Company
Salem County, SC

A utility employee tested positive during a routine drug screening test. His unescorted access was revoked. Plant

status: Hope Creek, Shutdown; Salem, Unit 1, Shutdown; Unit 2, Operational. Fuel present at sites.

IX-88-74 02/19/88 Salem/Hope Creek
Public Service Electric and Gas Company
Salem County, SC

A contract employee tested positive on a routine drug screening test. His unescorted access was revoked. Plant status: Hope Creek, Shutdown; Salem, Unit 1, Shutdown; Unit 2, Operational. Fuel present at sites.

IX-88-75 02/20/88 Catawba
Duke Power Company
York County, SC

A licensee employee was removed from service and the individual's badge removed from the access control system because of a positive drug screening test. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-76 02/22/88 McGuire
Duke Power Company
Mecklenburg County, NC

A construction and maintenance department employee tested positive on a drug screening test. He was escorted off-site and unescorted access suspended. Plant status: Operational. Fuel present at site.

IX-88-77 02/22/88 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

An employee's drug test was confirmed positive for illegal drugs. His protected area access was denied. Plant status: Units 1 and 2, Shutdown; Unit 3, Operational. Fuel present at site.

IX-88-78 02/22/88 Washington Nuclear
Washington Public Power Supply System
Benton County, WA

An open bottle of liquor was confiscated during protected area vehicle entry search. The driver was briefed on the licensee's prohibited article policy. Plant status: Shutdown. Fuel present at site.

IX-88-79 02/24/88 Peach Bottom
Philadelphia Electric Company
York County, PA

During a random, unannounced drug test of the 232 contract guard force members, there were nine confirmed positive

results: two secondary alarm/central alarm station operators, two armed guards, and five watchmen. The individuals were denied access. Further analysis and measurements confirmed that four of the nine (two armed guards and two watchmen) were on prescription drugs which affected the results, and access was reinstated. Plant status: Shutdown. Fuel present at site.

IX-88-80 02/24/88 San Onofre
Southern California Edison Company
San Diego County, CA

An employee authorized unescorted access to the protected area failed a drug screening test. His access was suspended. Plant status: Unit 1, Shutdown; Units 2 and 3, Operational. Fuel present at site.

IX-88-81 02/24/88 Wolf Creek
Kansas Gas and Electric Company
Coffey County, KS

An employee's unescorted access was revoked after a second positive result on a drug screening test. Plant status: Operational. Fuel present at site.

IX-88-82 02/26/88 Oconee
Duke Power Company
Oconee County, SC

A licensee construction employee tested positive on a drug screening test. His security badge was placed on "Supervisory Hold," and unescorted access was denied. Plant status: Units 1 and 3, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-83 02/29/88 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

The Alabama State Troopers notified the licensee of suspected alcohol/drug use by a licensee employee. The employee's unescorted access was revoked. Plant Status: Shutdown. Fuel present at site.

IX-88-84 02/29/88 LaCrosse
Dairyland Power Cooperative
LaCrosse County, WI

The licensee was notified that a licensee engineer was committed for 21 days to a psychiatric ward for alcohol detoxification. His access was voided, and he was enrolled in the employee assistance program. Plant status: Shutdown. Fuel present at site.

IX-88-85 02/29/88 St. Lucie
Florida Power and Light Company
St. Lucie County, FL

A contract employee tested positive on a random drug screening test. His site access was revoked. Plant status: Operational. Fuel present at site.

IX-88-86 02/29/88 Seabrook
Public Service Company of New Hampshire
Rockingham County, MA

An employee authorized unescorted access tested positive in a drug screening test. The employee returned to duty contingent on fitness for duty condition compliance. Plant status: Preoperational. Fuel present at site.

IX-88-87 03/01/88 Salem/Hope Creek
Public Service Electric and Gas Company
Salem County, SC

A contract employee tested positive on a routine drug screening test. His unescorted access was revoked. Plant status: Hope Creek, Shutdown; Salem, Operational. Fuel present at sites.

IX-88-88 03/01/88 Shoreham
Long Island Lighting Company
Suffolk County, NY

An employee was judged to be intoxicated and unfit for duty. His access to the protected area was denied, and his employment was terminated. Plant status: Operational. Fuel present at site.

IX-88-89 03/02/88 Oconee
Duke Power Company
Oconee County, SC

A construction and maintenance department employee was arrested and charged with an off-site, drug-related criminal act. His badge was placed on "Supervisory Hold." His access was denied. Plant status: Units 1 and 3, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-90 03/02/88 McGuire
Duke Power Company
Mecklenburg County, NC

A construction and maintenance department employee was arrested on drug-related charges. His unescorted access was suspended. Plant status: Operational. Fuel present at site.

IX-88-91 03/02/88 St. Lucie
Florida Light and Power Company
St. Lucie County, FL

A contract employee tested positive on a random drug screening test. His site access was revoked. Plant status: Operational. Fuel present at site.

IX-88-92 03/03/88 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

A licensee employee was indicted off-site for violation of the Alabama Uniform Controlled Substance Act. His unescorted access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-93 03/03/88 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo County, CA

During normal protected area vehicle search, whiskey was found and held until the driver left the site. The driver was counseled on the regulations. Plant status: Operational. Fuel present at site.

IX-88-94 03/03/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

A janitorial contract employee caught using unauthorized prescription drugs inside a restroom was requested to undergo a drug screening test. The individual refused. He immediately quit and terminated his employment with the contractor. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-95 03/03/88 Peach Bottom
Philadelphia Electric Company
York County, PA

An operator observed two contract employees smoking outside an area in the vicinity of the auxiliary boiler, on the south side of the protected area. What appeared to be marijuana butts were found there, along with a small plastic pipe. The substance was tested and found to be marijuana. Analysis of the pipe indicated it had been used to smoke the drug. The licensee's investigation identified one of the marijuana users, and access was denied. The other smoker was not identified. Plant status: Shutdown. Fuel present at site.

IX-88-96 03/03/88 Salem/Hope Creek
Public Service Electric and Gas Company
Salem County, SC

A utility employee tested positive on a routine drug screening test. His unescorted access was revoked. Plant status: Hope Creek, Shutdown; Salem, Operational. Fuel present at sites.

IX-88-97 03/03/88 San Onofre
Southern California Edison Company
San Diego County, CA

An employee authorized unescorted access failed a drug screening test. His access was suspended. Plant status: Unit 1 Shutdown; Units 2 and 3, Operational. Fuel present at site.

IX-88-98 03/04/88 Arkansas
Arkansas Power and Light Company
Pope County, AR

An officer found a plastic bag containing marijuana on the floor outside of the protected area at the secondary guard station. An investigation was conducted with negative results. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-99 03/04/88 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

A plant employee tested positive on a random drug screening test. His unescorted access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-100 03/05/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

When interviewed because of aberrant behavior, a janitorial contract employee admitted to the use and possession of two different prescription drugs, Darvocetin (a mild narcotic) and Fiorinal (barbituate), which were not prescribed in his name. The employee refused a urinalysis test and resigned his employment. His security access was dropped. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-101 03/07-11/88 Davis-Besse
Toledo Edison Company
Ottawa County, OH

On March 7, 1988, a senior reactor operator tested positive for drugs during his annual physical examination. The individual had been working in the control room as the acting shift supervisor. His access was suspended, and his name placed on the

denied access list. On March 11, 1988, the licensee reported that confirmatory tests, done by two independent laboratories on the split sample that initially tested positive, were negative. The individual's access was reinstated. Plant status: Operational. Fuel present at site.

IX-88-102 03/07/88 San Onofre
Southern California Edison Company
San Diego County, CA

An employee authorized unescorted access failed a drug screening test. His access was suspended. Plant status: Unit 1, Shutdown; Units 2 and 3, Operational. Fuel present at site.

IX-88-103 03/08/88 Arkansas
Arkansas Power and Light Company
Pope County, AR

A licensee maintenance employee who had participated in a drug rehabilitation program refused to submit to a drug test. His employment was terminated. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-104 03/11/88 Calvert Cliffs
Baltimore Gas and Electric Company
Calvert County, MD

A small bag of marijuana and two "roaches" were confiscated during a routine vehicle search of a contract janitorial van. The vehicle operator was arrested on a controlled dangerous substance charge, and the vehicle was confiscated. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-105 03/11/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

A contract employee reported to the licensee that he had seen three contract individuals, two of whom were no longer employed at the site, dealing drugs in the protected area. He also identified two other contract individuals as drug purchasers from the on-site dealer. The alleged dealer was interviewed and admitted drug trafficking on- and off-site with one of the two former employees. Unescorted access was rescinded for the three suspected drug dealers and the two suspected drug purchasers. The two latter individuals denied any recent use of drugs and any use, possession or sale of drugs on-site. They both submitted to a drug screening urinalysis test and passed. Their unescorted access was restored. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-106 03/14/88 Seabrook
Public Service Company of New Hampshire
Rockingham County, NH

An employee tested positive on a drug screening test. His unescorted access was terminated. Plant status: Preoperational. Fuel present at site.

IX-88-107 03/14/88- Vogtle
03/22/88 Georgia Power Company
Burke County, GA

Based on an informant's allegation, an employee was escorted off-site and agreed to submit to an alcohol/drug screening test. He was placed on administrative leave until a second test was administered. The second test was positive, and his employment was terminated. Plant status: Operational. Fuel present at site.

IX-88-108 03/15/88 Byron
Commonwealth Edison Company
Ogle County, IL

Based on an anonymous allegation of drug use at a party, a nonlicensed employee was interviewed and admitted to drug use. His site access was suspended, and he was enrolled in the employee assistance program. Plant status: Operational. Fuel present at site.

IX-88-109 03/15/88 Ft. St. Vrain
Public Service of Colorado
Weld County, CO

A contract security employee tested positive for barbituates on his annual drug screening test. He was denied unescorted access, and his badge was withdrawn. Plant Status: Operational. Fuel present at site.

IX-88-110 03/15/88 Vogtle
Georgia Power Company
Burke County, GA

An employee judged not fit for duty attempted to enter the protected area. A blood alcohol test showed intoxication. His badge was inactivated. Plant status: Operational. Fuel present at site.

IX-88-111 03/16/88 Farley
Alabama Power Company
Houston County, AL

The licensee received verbal notification of positive results for a licensee security employee's drug screening test and

terminated the individual's unescorted access. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-112 03/16/88 University of Lowell
Lowell, MA

While conducting a routine operations inspection, the NRC inspector received an allegation that the facility reactor supervisor had a chronic alcohol abuse problem. The inspector observed that the reactor supervisor had displayed indications of alcohol use during lunch. University senior management committed to an immediate independent observation and monitoring program for the individual. During the period of concern, the senior reactor operator on-shift technical specification requirement was fulfilled by a second qualified individual.

IX-88-113 03/16/88 Nine Mile Point
Niagra Mohawk Power Corporation
Oswego County, NY

A utility mechanic with vital area access, assigned to the fire department, who had participated in the employee assistance program for drug rehabilitation, tested positive for cocaine on a followup test. His employment was terminated. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-114 03/16/88 San Onofre
Southern California Edison Company
San Diego County, CA

An employee authorized unescorted access failed a drug screening test. His access was suspended. Plant status: Unit 1, Shutdown; Units 2 and 3, Operational. Fuel present at site.

IX-88-115 03/18/88 D. C. Cook
Indiana Michigan Power Company
Berrien County, MI

A contract security officer who reported for duty walking with an "unsteady gait" was observed for 2-3 minutes by his supervisor, relieved of duty, and administered a breathalyzer test on-site. He tested .075 for intoxication. He resigned his employment while en route to a local hospital for a blood test. The employee's site access was permanently revoked. Plant status: Operational. Fuel present at site.

IX-88-116 03/18/88 Davis-Besse
Toledo Edison Company
Ottawa County, OH

A licensee employee working in the protected area tested positive on a drug screening test. His badge was revoked, and he was denied site access. Plant status: Shutdown. Fuel present at site.

IX-88-117 03/18/88 Farley
Alabama Power Company
Houston County, AL

The licensee received verbal notification that a licensee security employee's drug screening test was positive and terminated the individual's unescorted access. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-118 03/18-31/88 Shoreham
Long Island Lighting Company
Suffolk County, NY

A licensee warehouse employee admitted to drug addiction, and his protected area access was suspended. He was enrolled in the licensee's substance abuse program. Shortly thereafter, an allegation was received alleging three other warehouse employees were habitual drug users, and they were requested to submit to drug testing. One immediately submitted to testing and was determined to be drug-free. The two others initially refused to submit to the test and were given an ultimatum: submit to testing or be subject to termination of employment. On March 31, 1988, the individuals submitted to the screening tests. One individual, on prescription medication, originally tested positive, but a second test was negative. The other individual tested positive for cocaine and has been enrolled in the licensee's rehabilitation program. Plant status: Operational. Fuel present at site.

IX-88-119 03/21/88 Peach Bottom
Philadelphia Electric Company
York County, PA

The licensee received notification that a former contract employee (catalytic worker) was selling drugs at a bar parking lot to Peach Bottom employees. An investigation was conducted with inconclusive results, but it was determined that no current employees were involved. Plant status: Shutdown. Fuel present at site. (See Item IX-88-183.)

IX-88-120 03/21/88 Peach Bottom
Philadelphia Electric Company
York County, PA

The licensee received an allegation that a contract maintenance worker was selling drugs. The individual was interviewed and denied selling drugs, but claimed he sold vitamins. A drug screening test was administered with positive results. The person's access was denied. Plant status: Shutdown. Fuel present at site.

IX-88-121 03/21/88 Pilgrim
Boston Edison Company
Plymouth County, MA

A licensee employee (firewatch) had his employment terminated because of a positive drug screening test. Plant status: Shutdown. Fuel present at site.

IX-88-122 03/23/88 Three Mile Island
GPU Nuclear Corporation
Dauphin County, PA

A contractor at the site refused to submit to a drug test after he was named as a drug user by another contract employee. His employment was terminated. Plant status: Operational. Fuel present at site.

IX-88-123 03/23/88 Turkey Point
Florida Light and Power Company
Dade County, FL

An employee's random drug test results were confirmed positive. His unescorted access was pulled. Plant status: Operational. Fuel present at site.

IX-88-124 03/25/88 Pilgrim
Boston Edison Company
Plymouth County, MA

While driving off-site during nonworking hours, a licensee plant attendant was stopped by Massachusetts State Police who discovered suspected drugs in the car. His site access was suspended. Plant status: Shutdown. Fuel present at site.

IX-88-125 03/28/88 FitzPatrick
New York Power Authority
Oswego County, NY

A licensee employee tested positive for drugs during his annual physical examination. His badge was revoked, and his unescorted access was denied. Plant status: Operational. Fuel present at site.

IX-88-126 03/28/88 Sequoyah
Tennessee Valley Authority
Hamilton County, TX

A small quantity of marijuana in a cellophane bag was found in the Unit 1 auxiliary building. Plant status: Shutdown. Fuel present at site.

12/31/88

IX-88-127 03/30/88 Ft. Calhoun
Omaha Public Power District
Washington County, NE

An employee was found in violation of the fitness for duty policy. He was refused access and terminated from contract.
Plant status: Operational. Fuel present at site.

IX-88-128 03/30/88 Washington Nuclear
Washington Public Power Supply System
Benton County, WA

During protected area vehicle entry search, a half-empty bottle of brandy was found in a cooler behind the driver's seat and confiscated. The driver did not appear to be drinking, and he denied knowledge of the article. The assistant plant manager was notified and authorized the driver and truck on-site.
Plant status: Operational. Fuel present at site.

IX-88-129 03/31/88 Millstone
Northeast Nuclear Energy Company
New London County, CT

Two contract security officers had positive results on their routine drug screening tests confirmed. The individuals were immediately denied site access, and protected area access was revoked for both. Plant status: Operational. Fuel present at site.

IX-88-130 03/31/88 Wolf Creek
Kansas Gas and Electric Company
Coffey County, KS

An employee's unescorted access was revoked upon confirmation of positive drug screening test results. Plant status: Operational. Fuel present at site.

IX-88-131 03/31/88 Wolf Creek
Kansas Gas and Electric Company
Coffey County, KS

An employee's unescorted access was revoked and his employment terminated because the employee diluted his drug screening urine sample. Plant status: Operational. Fuel present at site.

IX-88-132 04/01-11/88 Arkansas
Arkansas Power and Light Company
Pope County, AR

On April 11, 1988, the security department received confirmation that a random drug test was positive for an employee whose unescorted access was pulled on April 1, 1988. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-133 04/01/88 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

Based on an anonymous call, the licensee searched a licensee employee's desk and found two marijuana joints. His unescorted access clearance was suspended. The employee demanded a drug test, and the results were negative. It is believed that the drugs were planted by a former employee with a grudge in an attempt to get the individual fired. Plant status: Shutdown. Fuel present at site.

IX-88-134 04/04/88 Brunswick
Carolina Power and Light Company
Brunswick County, NC

A security supervisor was notified that a contract employee tested positive for cocaine. His badge was revoked and his unescorted site access was terminated. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-135 04/04/88 San Onofre
Southern California Edison Company
San Diego County, CA

An employee's drug screening test was positive. His unescorted access was suspended. Plant status: Units 1 and 2, Shutdown; Unit 3, Operational. Fuel present at site.

IX-88-136 04/05/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

Undeclared alcohol (cooking wine) was detected at the site entrance. It was confiscated, stored in a contraband locker, and returned to the driver after he exited the site. Plant status: Shutdown. Fuel present at site.

IX-88-137 04/05-7/88 Trojan
Portland General Electric Company
Columbia County, OR

Based on an allegation of drug use, a contract employee consented to a drug test. The test results were positive, and his employment was terminated. Plant status: Operational. Fuel present at site.

IX-88-138 04/05/88 Vogtle
Georgia Power Company
Burke County, GA

A controlled substance was found in the protected area. It was removed and stored in the security safe in the administration

building. A search of the area was conducted with negative results. Plant status: Operational. Fuel present at site.

IX-88-139 04/07/88 Davis-Besse
 Toledo Edison Company
 Ottawa County, OH

An employee appeared incoherent during entrance search. He was taken to the visitor's waiting area for further assessment. The individual stated he was on prescribed medication, taken nightly before bedtime, for headaches and sleeplessness. Because of his condition, slurred speech and questionable coordination of movement, the person was denied access and taken home. The employee returned to work when it was revealed the person was not intoxicated, nor was the medication the cause of his behavior. The person had been in an automobile accident and his behavior was the result of the accident. Plant status: Shutdown. Fuel present at site.

IX-88-140 04/07/88 San Onofre
 Southern California Edison Company
 San Diego County, CA

An employee's drug screening test was positive. His unescorted access was suspended. Plant status: Unit 1, Shutdown; Unit 2 and 3, Operational. Fuel present at site.

IX-88-141 04/08/88 Davis-Besse
 Toledo Edison Company
 Ottawa County, OH

The security officer at the visitor's window detected the odor on alcohol on the breath of a catering contract employee who arrived for work. The individual was given a blood alcohol content test which measured .045. The employee was denied access and taken home by a supervisor. The individual's work permit was cancelled. Plant status: Shutdown. Fuel present at site.

IX-88-142 04/08-19/88 Nine Mile Point
 Niagara Mohawk Power Corporation
 Oswego County, NY

Based on an allegation concerning drug abuse by company employees, an investigation was initiated. Unescorted access was revoked for five individuals pending the outcome of drug screening. On April 19, 1988, positive results were received for three of the individuals. One individual's employment was terminated. The other two completed the prescribed course of treatment in accordance with the licensee's fitness for duty program and were reinstated. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-143 04/11-26/88 Arkansas
Arkansas Power and Light Company
Pope County, AR

On April 26, 1988, the licensee received confirmation of a positive result on a random drug test taken by a contract employee on April 11, 1988, at which time the person's access had been pulled. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-144 04/11/88 Indian Point
Consolidated Edison Company
Westchester County, NY

Eight contract employees failed the drug screening test. Five had their employment terminated earlier for poor performance. Three had not yet been cleared for access. All have been banned from the site. Plant status: Operational. Fuel present at site.

IX-88-145 04/12/88 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

A licensee employee voluntarily entered the employee assistance program. His unescorted access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-146 04/12/88 Harris
Carolina Power and Light Company
Wake County, NC

Two maintenance clerks discovered a small quantity of a suspected controlled substance believed to be cocaine in a stairwell in the service building, a support building within the protected area. They turned the substance over to maintenance supervision who, in turn, notified security. A field reagent test indicated a positive reaction for cocaine. The drug was destroyed by the Wake County Sheriff's Department. An investigation was conducted with negative results. Plant status: Operational. Fuel present at site.

IX-88-147 04/13/88 Oconee
Duke Power Company
Oconee County, SC

A construction and maintenance department employee's drug screening test was positive. His badge was placed on "Supervisory Hold," and access was denied. Plant status: Units 1 and 3, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-148 04/14/88 Braidwood
Commonwealth Edison Company
Will County, IL

A licensee firewatch employee was escorted out of the plant to his car, and both he and the vehicle were searched after he was accused of asking another firewatch person if she would like some cocaine. Nothing was found on the individual, but four cans of beer and a small amount of suspected marijuana were in the car. The individual refused to submit to a urinalysis screening. His access was revoked for all of the licensee's facilities. Plant status: Shutdown. Fuel present at site.

IX-88-149 04/14/88 Peach Bottom
Philadelphia Electric Company
York County, PA

Two engineers performing an inventory of agastat relays inside an electrical distribution panel found a half pint peach brandy bottle, half-full, with a torn Maryland state liquor seal, inside a control room panel. The licensee investigation determined that the bottle was filled with brandy in 1976 and purchased in 1979 (Unit 21 and 3 were licensed in 1973 and 1974, respectively). Plant status: Shutdown. Fuel present at site.

IX-88-150 04/14/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

Undeclared alcohol was detected at the site entrance. The contraband was placed in a locker and a receipt issued. The bottle of champagne was returned to the employee after he exited the site. Plant status: Operational. Fuel present at site.

IX-88-151 04/15/88 Fermi
Detroit Edison Company
Monroe County, MI

Based on an anonymous call that described a drug transaction in the parking lot outside the protected area, a contract employee (clerical worker) was escorted out of the protected area to a car where a small bag of marijuana was produced. The individual's site access was revoked. The worker was subjected to a urinalysis test with negative results. Based on a determination that the marijuana belonged to the employee, the contractor terminated the employment. Plant status: Shutdown. Fuel present at site.

IX-88-152 04/15/88 Indian Point
Consolidated Edison Company
Westchester County, NY

In response to a newspaper reporter's questions, the licensee confirmed that one contractor was dismissed and one licensee

employee was transferred off-site as a result of a drug use investigation at Unit 2. No licensee employee was suspended for drug use. Plant status: Operational. Fuel present at site.

IX-88-153 04/15/88 San Onofre
Southern California Edison Company
San Diego County, CA

An employee's drug screening test was positive. His unescorted access was suspended. Plant status: Unit 1, Shutdown; Units 2 and 3, Operational. Fuel present at site.

IX-88-154 04/18-20/88 Brunswick
Carolina Power and Light Company
Brunswick County, NC

A local newspaper listed charges for an individual indicted by the Brunswick Grand Jury on April 18, 1988, with three counts of drug trafficking in excess of 28 grams of cocaine. An investigation confirmed that the individual was a licensee employee, badged for unescorted access. His access was deleted on April 20, 1988. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-155 04/18/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

The licensee received information that a quality assurance person in Unit 2 had made statements concerning where cocaine could be procured. The individual was interviewed and drug tested with negative results. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-156 04/19/88 Ft. St. Vrain
Public Service of Colorado
Weld County, CO

A licensee employee tested positive for substance abuse. His badge and key card were inactivated, and site access was denied. Plant status: Shutdown. Fuel present at site.

IX88-157 04/19-25/88 South Texas
Houston Lighting and Power Company
Matagorda County, TX

On April 19, 1988, a licensee employee tested positive during preliminary random drug testing, and his protected area access was denied. On April 25, 1988, the test was confirmed positive, and the employee's site access was denied. Plant status: Operational. Fuel present at site.

IX-88-158 04/19/88 Susquehanna
 Pennsylvania Power and Light Company
 Luzerne County, PA

A contract employee's drug screening test was positive. He was escorted off-site, and his site access was withdrawn. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-159 04/20/88 Davis-Besse
 Toledo Edison Company
 Ottawa County, OH

The initial drug screening test results for two contract employees were unacceptable. Their protected/vital area badges were pulled, and their names were placed on the denied access list. Confirmatory test results also were positive. Plant status: Shutdown. Fuel present at site.

IX-88-160 04/20/88 Limerick
 Philadelphia Electric Company
 Montgomery County, PA

A confidential source stated that a central alarm station/secondary alarm station supervisor on Unit 1 was using drugs. The individual was interviewed and admitted using marijuana and "crack" off-site within the preceding six weeks. The person's site access was dropped, and employment was terminated. Plant status: Unit 1, Shutdown; Unit 2, Under Construction. Fuel present at site.

IX-88-161 04/20-22/88 Vermont Yankee
 Vermont Yankee Nuclear Power
 Windham County, VT

Based on reliable information, the licensee determined probable cause existed to test 21 contractor personnel for drugs. Four of the employees refused to be tested and were immediately dismissed. Seven of the remaining personnel tested positive and were dismissed from the site. Plant status: Operational. Fuel present at site.

IX-88-162 04/21/88 Davis-Besse
 Toledo Edison Company
 Ottawa County, OH

A suspected controlled substance was found in the owner-controlled area. A contract employee, identified as a suspect, was drug tested with positive results. His site access was denied. Plant status: Shutdown. Fuel present at site.

IX-88-163 04/21/88 Peach Bottom
Philadelphia Electric Company
York County, PA

Based upon an allegation that a contract health physics employee used drugs, the individual was interviewed and admitted drug use. His unescorted access was denied. Plant status: Shut-down. Fuel present at site.

IX-88-164 04/21/88 Davis-Besse
Toledo Edison Company
Ottawa County, ILL

Drug paraphernalia and a small amount of cocaine (field tested) was found in a visitor registration trailer in the owner controlled area. An investigation focused on 11 escorted visitors to the plant's protected area who were processed through the trailer. Urinalysis and drug dog searches were conducted with negative results. Later, during a routine dog search of vehicles at the trailer site, a small bag of suspected marijuana and pipes were found under the floor mat of a contractor's truck. In addition, a later drug dog search team discovered a small amount of suspected marijuana in the truck of a grass cutting contractor. As a result of the later two incidents, the names of two contract employees (who never had access authorization) were placed on the denied access list. Plant status: Shutdown. Fuel present at site.

IX-88-165 04/21/88 South Texas
Houston Lighting and Power Company
Matagorda County, TX

A licensee employee was observed to be under the influence of alcohol early on his shift. He voluntarily reported for fitness for duty testing. The individual's blood alcohol level tested under the fitness for duty criteria, but because the individual had already undergone a rehabilitation program for an alcohol problem some years past, the licensee terminated his employment. Plant status: Operational. Fuel present at site.

IX-88-166 04/21/88 Turkey Point
Florida Power and Light Company
Dade County, FL

A licensee employee was arrested off-site for cocaine possession. His unescorted access was withdrawn. Plant status: Operational. Fuel present at site.

IX-88-167 04/25/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

An NRC inspector received an anonymous call advising that a second shift contract cleaning service foreman was a drug user

and dealer. The accused individual's urine test result was negative. He was interviewed concerning the sale of drugs with negative results. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-168 04/25/88 Palisades
Consumer Power Company
Van Buren County, MI

A licensee employee tested positive for drugs on his periodic fitness for duty test. His unescorted access was suspended. Plant status: Operational. Fuel present at site.

IX-88-169 04/25/88 Peach Bottom
Philadelphia Electric Company
York County, PA

An allegation that a contract health physics technician used drugs was investigated. The investigation determined that the accused was a contract radwaste supervisor, not a health physics person, and that the incident allegedly occurred off-site in the individual's personal vehicle. The employee denied the charge. Approximately three months later, his employment was terminated by his employer for nondrug-related reasons. Plant status: Shutdown. Fuel present at site.

IX-88-170 04/25/88 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

A licensee employee's required drug screening test was positive. His unescorted access clearance was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-171 04/27/88 Big Rock Point
Consumers Power Company
Charlevoix County, MI

A licensee engineer subjected to a repeat unannounced test as part of the employee assistance plan again tested positive for marijuana. His site access was terminated immediately, and he was allowed to resign. A review of his work revealed no safety concerns. Plant status: Shutdown. Fuel present at site.

IX-88-172 04/27/88 Big Rock Point
Consumers Power Company
Charlevoix County, MI

A licensee employee failed a drug test. His unescorted access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-173 04/29/88 Davis-Besse
 Toledo Edison Company
 Ottawa County, OH

A licensee employee was denied access because the odor of alcohol was detected on his breath. A blood alcohol content test was not administered because the equipment could not be calibrated. The individual was taken off-site. Plant status: Shutdown. Fuel present at site.

IX-88-174 04/29/88 Indian Point
 Consolidated Edison Company
 Westchester County, NY

A contract station cleaner, with limited access to unoccupied vital areas, failed the drug screening test. He was escorted off-site, his security badge was deleted from the computer, and his employment was terminated. He has been banned from the site. Plant status: Operational. Fuel present at site.

IX-88-175 04/29/88 Sequoyah
 Tennessee Valley Authority
 Hamilton County, TN

A licensee employee tested positive on a required drug screening. His unescorted access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-176 05/02/88 Peach Bottom
 Philadelphia Electric Company
 York County, PA

A contract radwaste employee accused of using drugs was interviewed and admitted to drug use. His unescorted access was denied. Plant status: Shutdown. Fuel present at site.

IX-88-177 05/02/88 San Onofre
 Southern California Edison Company
 San Diego County, CA

An employee tested positive in a drug screening test. His unescorted access was suspended. Plant status: Units 1 and 3, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-178 05/03/88 Limerick
 Philadelphia Electric Company
 Montgomery County, PA

The licensee received credible information that a laborer foreman was a cocaine dealer. The individual was interviewed and admitted to selling cocaine on Unit 2. His site access was denied. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-179 05/03/88 Peach Bottom
Philadelphia Electric Company
Montgomery County, PA

An allegation that a contract maintenance employee seeking unescorted access used drugs was investigated. The individual admitted to a conviction in 1986 for possession of marijuana and that he was a recreational drug user. His access was denied. Plant status: Shutdown. Fuel present at site.

IX-88-180 05/03/88 San Onofre
Southern California Edison Company
San Diego County, CA

A controlled substance discovered in the cab of a vehicle delivering plant supplies was confiscated during vehicle entry search. The driver was permitted to enter the protected area under security escort to deliver the supplies essential to plant operations. The driver was subsequently escorted off-site, and his site access was terminated. Plant status: Units 1 and 3, Shutdown; Unit 2, Operational. Fuel present site.

IX-88-181 05/03/88 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

A licensee employee tested positive on a required drug screening test. His unescorted access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-182 05/04/88 Palisades
Consumers Power Company
Houston County, AL

A licensee employee's drug screening test was positive for marijuana. His unescorted access was immediately suspended. Plant status: Operational. Fuel present at site.

IX-88-183 05/05/88 Peach Bottom
Philadelphia Electric Company
York County, PA

An allegation that licensee employees were selling and using drugs in a bar parking lot was investigated, but could not be substantiated. Plant status: Shutdown. Fuel present at site. (See Item IX-88-119.)

IX-88-184 05/05/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

During site entry search, a miniature bottle of liquor (given out by an airline) was found in a visitor's briefcase. The

liquor was disposed of and the person allowed on-site. Plant status: Shutdown. Fuel present at site.

IX-88-185 05/05-09/88 Turkey Point
Florida Power and Light Company
Dade County, FL

Based on an allegation of off-site drug use, a licensee employee's access was suspended and a urinalysis conducted. The test result was negative, and access was reinstated on May 9, 1988. Plant status: Unit 3, Operational; Unit 4, Shutdown. Fuel present at site.

IX-88-186 05/05-19/88 Vogtle
Georgia Power Company
Burke County, GA

An employee failed to meet the fitness for duty requirements. Protected area access was denied, and his badge was held by security. On May 19, 1988, the individual's alcohol/drug test was verified positive. His employment was terminated. Plant status: Operational. Fuel present at site.

IX-88-187 05/06/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

Based on an allegation of drug use and sales by a Unit 2 contract cleaning person, the individual was tested. The result was positive for a controlled substance. The employee's site access was denied. Plant status: Unit I, Operational; Unit 2 Under Construction. Fuel present at site.

IX-88-188 05/06-6/21/88 St. Lucie
Florida Power and Light Company
St. Lucie County, FL

A licensee employee's radiation control and vital area access was revoked because he refused a random drug screening test. He subsequently was tested. On June 21, 1988, a urinalysis test result was negative, and access was reinstated. Plant status: Operational. Fuel present at site.

IX-88-189 05/11/88 Peach Bottom
Philadelphia Electric Company
York County, PA

Three licensee technical employees allegedly involved in illegal drug activities prior to 1987 were arrested by the FBI. This was a followup to an earlier case (See IX-87-117). Plant status: Shutdown. Fuel present at site.

IX-88-190 05/11/88 Peach Bottom
Philadelphia Electric Company
York County, PA

The U. S. District Court indicted a licensee employee previously suspended from employment (with intent to dismiss) for drug-related activities. Plant status: Shutdown. Fuel present at site.

IX-88-191 05/11/88 San Onofre
Southern California Edison Company
San Diego County, CA

An employee tested positive in a drug screening test. His unescorted access was suspended. Plant status: Units 1 and 3, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-192 05/12-31/88 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

A licensed Unit 2 reactor operator tested positive for marijuana during a routine drug screening test. He admitted to using marijuana while on a hunting trip two weeks earlier and was placed on five days leave without pay. He was retested on May 25, 1988, and the result showed a decreased level of marijuana residue in the body and an abstinence of further marijuana use. On May 31, 1988, another test was conducted with negative result. He was enrolled in the licensee's three-week drug education program during which time access to the protected area was denied. As a result of the drug education program, the individual and family members were enrolled in an additional five-week drug counselling program. The individual's unescorted access was reinstated; however, he was assigned duties outside the control room. He will be subject to frequent urinalysis tests. Plant status: Units 1 and 3, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-193 05/12-13/88 St. Lucie
Florida Light and Power Company
St. Lucie County, FL

Based on an allegation of substance abuse, a licensee employee's site access was revoked, and he submitted to a urinalysis test. The urinalysis test result was negative, and access was reinstated on May 13, 1988. Plant status: Operational. Fuel present at site.

IX-88-194 05/12-17/88 St. Lucie
Florida Light and Power Company
St. Lucie County, FL

Based on an allegation of substance abuse, a licensee employee's site access was revoked, and he submitted to a urinalysis

test. The test result was negative, and access was reinstated on May 17, 1988. Plant status: Operational. Fuel present at site.

IX-88-195 05/12/88 Shoreham
Long Island Lighting Company
Suffolk County, NY

A security guard refused to submit to a followup drug screening test after testing positive for an illegal substance during his annual physical examination. His employment was terminated. Plant status: Operational. Fuel present at site.

IX-88-196 05/13/88 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

Confirmation of a positive urine drug test was received for a licensee employee who performed safety-related activities. His access to the protected area was denied. Plant status: Units 1 and 3, Operational. Unit 2, Shutdown. Fuel present at site.

IX-88-197 05/13/88 San Onofre
Southern California Edison Company
San Diego County, CA

Based on an allegation of possible off-site use of a controlled substance by an employee with unescorted access, the individual was requested to submit to an investigatory drug screening test. He refused, and his employment was terminated. Plant status: Units 1 and 3, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-198 05/16/88 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

A licensee employee voluntarily entered the employee assistance program. His unescorted access was revoked. Plant status: Shutdown. Fuel present at site

IX-88-199 05/17/88 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

Confirmation of a positive urine drug test was received for an employee who performed safety-related activities. His access to the protected area was denied. Plant status: Units 1 and 3, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-200 05/17/88 St. Lucie
Florida Power and Light Company
St. Lucie County, FL

A licensee employee tested positive for drugs a second time. His access was permanently revoked. Plant status: Operational. Fuel present at site.

IX-88-201 05/18/88 FitzPatrick
New York Power Authority
Oswego County, NY

A licensee employee tested positive for drugs during his annual physical examination. His site access was denied. Plant status: Operational. Fuel present at site.

IX-88-202 05/18/88 Peach Bottom
Philadelphia Electric Company
York County, PA

A contract maintenance employee was found to have a criminal history for a drug conviction which was not discovered during the background investigation. The employee is currently on probation for the conviction. His unescorted access was denied. Plant status: Shutdown. Fuel present at site.

IX-88-203 05/19/88 Palisades
Consumer Power Company
Van Buren County, MI

Two contract employees failed the periodic fitness for duty test. Unescorted access was revoked. Plant status: Operational. Fuel present at site.

IX-88-204 05/19/88 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

Confirmation of a positive urine drug test was received for an employee who performed safety-related activities. His access to the protected area was denied. Plant status: Units 1 and 3, Operational, Unit 2, Shutdown. Fuel present at site.

IX-88-205 05/19/88 Trojan
Portland General Electric Company
Columbia County, OR

During a routine protected area vehicle search, a small amount (less than 1 oz.) of a controlled substance and related paraphernalia for the use of marijuana were discovered and confiscated. The vehicle was allowed to enter the protected area under security escort to complete the delivery. The county sheriff was notified of the drug finding, and a citation was

issued to the operator of the vehicle for possession of a controlled substance. Plant status: Shutdown. Fuel present at site.

IX-88-206 05/24/88 Indian Point
Consolidated Edison Company
Westchester County, NY

A contract employee with limited vital area access failed the drug screening test. He was escorted off-site, and his security badge deleted from the computer. He was banned from the site. Plant status: Operational. Fuel present at site.

IX-88-207 05/25/88 Davis-Besse
Toledo Edison Company
Ottawa County, OH

A contract employee working in the protected area was immediately escorted off-site because his initial drug screening result was unacceptable. His name was placed on the denied access list. The confirmatory test result was also positive. Plant status: Shutdown. Fuel present at site.

IX-88-208 05/26/88 Big Rock Point
Consumers Power Company
Charlevoix County, MI

Two licensee employees failed the drug tests. Unescorted access was revoked for both individuals. Plant status: Shutdown. Fuel present at site.

IX-88-209 05/26/88 Turkey Point
Florida Power and Light Company
Dade County, FL

During vehicle entry search, drug paraphernalia was discovered. The vehicle and driver were denied access to the plant. Plant status: Unit 3, Operational; Unit 4, Shutdown. Fuel present at site.

IX-88-210 05/27/88 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

Confirmation of a positive urine drug test was received on an employee who performed safety-related work. His access to the protected area was denied. Plant status: Units 1 and 3, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-211 05/27/88 Salem/Hope Creek
Public Service Electric and Gas Company
Salem County, NJ

A licensee employee tested positive on a routine drug screening test. Unescorted access was revoked. Plant status: All Units, Operational. Fuel present at sites.

IX-88-212 05/28/88 San Onofre
Southern California Edison Company
San Diego County, CA

A control room operator for Units 2 and 3 who had been subjected to the licensee's periodic drug monitoring program since March 1986, again tested positive for marijuana on May 28, 1988. The operator, employed at the facility for seven years and assigned duty as a control room operator for the past six years, performed retraining duties inside the control room, but was not part of the operating crew. A June 15, 1988 Order suspended his license and denied his application for a license renewal. Status: Units 1 and 3, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-213 05/30/88 Nine Mile Point
Niagara Mohawk Power Corporation
Oswego County, NY

The New York State Police notified the licensee that an individual working at the plant as a contract employee was arrested for possession of cocaine. The individual's site access was terminated. Plant status: Shutdown. Fuel present at site.

IX-88-214 06/01/88 Catawba
Duke Power Company
York County, SC

An employee with unescorted access tested positive in a drug screening test. Badge access was denied. Plant status: Operational. Fuel present at site.

IX-88-215 06/01/88 Davis-Besse
Toledo Edison Company
Ottawa County, OH

A senior reactor operator was arrested for driving while intoxicated. The alcohol/blood level was barely over the legal limit. The licensee determined this was an isolated incident, and no followup action was initiated. Plant status: Shutdown. Fuel present at site.

IX-88-216 06/01/88 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

Confirmation of a positive urine drug test was received for an employee who performed safety-related work. He was denied protected area access. Plant status: Units 1 and 3, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-217 06/01/88 Summer
South Carolina Electric and Gas Company
Fairfield County, SC

A licensee computer specialist's site access was revoked because of a confirmed positive test for marijuana during his annual physical examination. Plant status: Operational. Fuel present at site.

IX-88-218 06/02/88 McGuire
Duke Power Company
Mecklenburg County, NC

A construction and maintenance department employee tested positive on a drug screening test. The individual was escorted off-site. Further access was suspended. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-219 06/03-08/88 River Bend
Gulf States Utilities
West Feliciana Parish, LA

A contract employee undergoing a physical examination for employment by the licensee tested positive on the drug screening test. His unescorted access was revoked. Subsequently, it was confirmed that the individual was on prescription medication, and unescorted access was reinstated on June 8, 1988. Plant status: Operational. Fuel present at site.

IX-88-220 06/06/88 Seabrook
Public Service Company of New Hampshire
Rockingham County, NH

A licensee employee tested positive in a random chemical screening test. The person resigned his employment. Plant status: Preoperational. Fuel present at site.

IX-88-221 06/07/88 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo County, CA

Based upon confidential information, a licensed reactor operator was questioned concerning alleged drug involvement as he exited the protected area. He admitted to off-site drug use

and stated that he had initiated action to seek off-site assistance for his addiction. His access to the protected area was revoked immediately. The licensee initiated followup actions in accordance with their fitness for duty program: Initial psychological evaluation to determine the individual's suitability for rehabilitation; completion of an approved rehabilitation program; second psychological evaluation; and random drug screening. The individual, a licensed reactor operator employed since 1984, was assigned other duties for several weeks. The individual completed an in-patient treatment program. He remains employed by the licensee; however, his operator's license has expired. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-222 06/07/88 McGuire
Duke Power Company
Mecklenburg County, NC

A construction and maintenance department employee tested positive on a drug screening test. His unescorted access was suspended. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-223 06/07/88 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

Confirmation of a positive urine drug test was received for an employee who performed safety-related activities. His access to the protected area was denied. The individual was enrolled in the licensee's employee assistance program, and based upon subsequent testing, the person's unescorted access was restored. The individual remains in the licensee's established followup program of frequent random testing. Plant status: Units 1 and 3, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-224 06/07/88 Summer
South Carolina Electric & Gas Company
Fairfield County, SC

During a random drug screening test, an armed contract security officer tested positive for marijuana. His employment was terminated. Plant status: Shutdown. Fuel present at site.

IX-88-225 06/08/88 Oconee
Duke Power Company
Oconee County, SC

A licensee employee tested positive in a drug screening test. His badge was placed on "Supervisory Hold," and access was denied. Plant status: Operational. Fuel present at site.

IX-88-226 06/08/88 San Onofre
Southern California Edison Company
San Diego County, CA

An employee tested positive in a drug screening test. His unescorted access was suspended. Plant status: Units 1 and 3, Shutdown; Unit 2, Operational. Fuel present at site.

IX88-227 06/10-20/88 Turkey Point
Florida Power and Light Company
Dade County, FL

A contract employee was unable to satisfactorily explain his criminal history file, and access was suspended. Access was reinstated on June 13, 1988, after presentation of documentation, but again suspended on June 20, 1988, when a positive urinalysis test result was received. Plant status: Operational. Fuel present at site.

IX-88-228 06/13-17/88 Harris
Carolina Power and Light Company
Wake County, NC

On June 13, 1988, site security was notified by a licensee employee that he had been charged by a local law enforcement agency with simple possession of an unlawful controlled substance and related paraphernalia as a result of a lawful search of the employee's private residence. His site access was immediately suspended. Subsequently, he reported to the site and was voluntarily drug tested. On June 17, 1988, positive confirmation of the urinalysis result was received which indicated the presence of cocaine, diazepam, and oxazepam. The individual's unescorted access and employment were permanently terminated. Plant status: Operational. Fuel present at site.

IX-88-229 06/15/88 Rancho Seco
Sacramento Municipal Municipal District
Sacramento County, CA

An employee tested positive on an alcohol screening test. He was escorted off-site, and his badge removed from the system. Plant status: Operational. Fuel present at site.

IX-88-230 06/15/88 South Texas
Houston Lighting and Power Company
Matagorda County, TX

A licensee employee tested positive for drugs in a fitness for duty screening test. His site access was suspended. Plant status: Operational. Fuel present at site.

IX-88-231 06/16-17/88 Harris
Carolina Power and Light Company
Wake County, NC

Based on an allegation of drug use both inside the protected area and off-site by members of the contract security force, the licensee conducted an investigation which included a urinalysis drug test for all 130 members of the security organization. The investigation resulted in the employment resignation of a security training lieutenant, two unarmed central alarm station operators, an armed guard, and two sergeants. Plant status: Operational. Fuel present at site.

IX-88-232 06/16/88 McGuire
Duke Power Company
Mecklenburg County, NC

A construction and maintenance department employee tested positive on a drug screening test. The individual was escorted off-site, and further access was suspended. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-233 06/17/88 Beaver Valley
Duquesne Light Company
Beaver County, PA

A suspected controlled substance found on-site was verified by the Beaver County Sheriffs Department to be contraband. Plant status: Operational. Fuel present at site.

IX-88-234 06/17/88 Duane Arnold
Iowa Electric Light and Power Company
Linn County, IA

Based on an anonymous allegation of marijuana and cocaine use, a systems engineer was interviewed by plant management and admitted using marijuana. He was judged unfit for duty, relieved of duty, and his unescorted site access was suspended. He entered the employee assistance program. A review of his work revealed no safety concerns. Plant status: Operational. Fuel present at site.

IX-88-235 06/17-20/88 Duane Arnold
Iowa Electric Light and Power Company
Linn County, IA

On June 17, 1988, the licensee received an anonymous call regarding off-site drug use by an employee granted unescorted access to the protected area. On June 20, 1988, after a discussion of the matter with the employee, his unescorted access was denied. The individual was assigned to an employee assistance program for evaluation. Plant status: Operational. Fuel present at site.

IX-88-236 06/19/88 Peach Bottom
Philadelphia Electric Company
York County, PA

The contents of Budweiser labeled bottles found in the refrigerator by a supervisor were tested and confirmed to be tea. Plant status: Shutdown. Fuel present at site.

IX-88-237 06/20/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

A hypodermic needle was found in the protected area. Tests of the material by a drug sniffing dog and a field test by security were negative. The material was destroyed. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-238 06/20/88 McGuire
Duke Power Company
Mecklenburg County, NC

The construction and maintenance department received positive drug screening results on seven contract employees. All had their unescorted access revoked. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-239 06/21/88 Callaway
Union Electric Company
Callaway County, MO

An equipment operator tested positive for marijuana, and his site access was terminated pending a confirmatory test. The individual denied drug use in any form and terminated his employment before additional tests were made. Plant status: Operational. Fuel present at site.

IX-88-240 06/21-28/88 Indian Point
New York Power Authority
Westchester County, NY

Three nonlicensed operators attending a training program outside the protected area were observed acting in a suspicious manner off-site and unescorted access was suspended. They were interviewed and submitted to drug screening tests. One employee tested positive for marijuana and was assigned to the employee assistance program. Two tested negative; one was assigned to the employee assistance program, while the other was reinstated to unescorted access status on June 28, 1988. Plant status: Operational. Fuel present at site.

IX-88-241 06/21-28/88 Nine Mile Point
Niagara Mohawk Power Corporation
Oswego County, NY

Based on an allegation of drug use on-site and off-site, unescorted access for two contract employees was revoked pending the outcome of a drug test. On June 22, 1988, one individual refused to be tested, and his employment was terminated. On June 28, 1988, a positive result was received on the second individual and unescorted access was permanently terminated. Plant status. Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-242 06/21/88 Washington Nuclear
Washington Public Power Supply System
Benton County, WA

A licensee employee tested positive in the fitness for duty program. His site access and access to safeguards information, were also terminated. Plant status: Shutdown. Fuel present at site.

IX-88-243 06/23/88 McGuire
Duke Power Company
Mecklenburg County, NC

A maintenance department employee tested positive on a drug screening test. His unescorted access was suspended. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-244 06/23/88 San Onofre
Southern California Edison Company
San Diego County, CA

An employee tested positive in a drug screening test. His unescorted access was suspended. Plant status: Units 1 and 3, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-245 06/24/88 McGuire
Duke Power Company
Mecklenburg County, NC

Two contract employees tested positive on drug screening tests. Unescorted access was revoked for both. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-246 06/24-28/88 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

A Unit 1 senior reactor operator (assigned duties as an assistant shift supervisor) tested positive on his routine drug

screening test. His protected area access was suspended pending confirmatory analysis. On June 28, 1988, the confirmatory test was negative, and he was returned to duty. Plant status: Operational. Fuel present at site.

IX-88-247 06/27/88 FitzPatrick
New York Power Authority
Oswego County, NY

A licensee employee tested positive for drugs during his annual physical examination. His badge was revoked, and he was denied site access. Plant status: Operational. Fuel present at site.

IX-88-248 06/27-29/88 River Bend
Gulf State Utilities
West Feliciana Parish, LA

On June 27, 1988, a contract employee with unescorted access to the protected area tested positive for amphetamines during his annual drug screening. His unescorted access was suspended. On June 29, 1988, the employee tested negative on the confirmation test. The employee's unescorted access was reinstated. Plant status: Operational. Fuel present at site.

IX-88-249 06/28/88 Harris
Carolina Power and Light Company
Wake County, NC

A contract security employee with unescorted access to the protected and vital areas, as well as safeguards information, tested positive for marijuana on a directed urinalysis. Unescorted access was terminated. Plant status: Operational. Fuel present at site.

IX-88-250 06/28-7/6/88 Turkey Point
Florida Power and Light Company
Dade County, FL

A health physics technician tested positive for drug use. He was removed from the site, and his badge was pulled. Plant status: Operational. Fuel present at site.

IX-88-251 06/29-7/9/88 St. Lucie
Florida Power and Light Company
St. Lucie County, FL

Based on an allegation of substance abuse, a contract employee's site access was revoked, and he submitted to a urinalysis test. The test result received on July 9, 1988, was positive. Plant status: Operational. Fuel present at site.

IX-88-252 06/30/88 McGuire
Duke Power Company
Mecklenburg County, NC

A construction and maintenance department employee tested positive on a drug screening test. The employee was escorted off-site. Further unescorted access was suspended. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-253 06/30/88 Palisades
Consumer Power Company
Van Buren County, MI

Two licensee employees and one contract employee tested positive on the periodic fitness for duty test. Unescorted access was revoked for the contract employee and suspended for the two licensee employees. Plant status: Operational. Fuel present at site.

IX-88-254 07/01/88 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

A licensee employee tested positive on a random alcohol/drug screening test. His protected area access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-255 07/01/88 McGuire
Duke Power Company
Mecklenburg County, NC

A construction and maintenance department employee tested positive for drugs. He was escorted off-site and further unescorted access was suspended. Plant status: Units 1 and 3, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-256 07/01/88 Oconee
Duke Power Company
Oconee County, SC

A construction and maintenance department employee tested positive on a drug screening test. His badge was placed on "Supervisory Hold," and access was denied. Plant status: Operational. Fuel present at site.

IX-88-257 07/06/88 River Bend
Gulf States Utilities
West Feliciana Parish, LA

A contract employee tested positive during an annual drug screening test. The individual's unescorted access was revoked. Plant status: Operational. Fuel present at site.

IX-88-258 07/08/88 Davis-Besse
 Toledo Edison Company
 Ottawa County, OH

A licensee employee's protected area access badge was pulled because of an initial positive result on a random drug screening test. Plant status: Shutdown. Fuel present at site.

IX-88-259 07/08-12/88 Davis Besse
 Toledo Edison Company
 Ottawa County, OH

A contract employee, on-site since January 26, 1988, tested positive in the licensee's random drug testing program for contract employees and was denied protected area access on July 8, 1988. Positive test results were confirmed on July 12, 1988. The contract firm who employed the individual performed a variety of jobs--mechanical maintenance, electrical maintenance, painting, etc. The individual's work performance was reviewed and revealed no safety concerns. Plant status: Shutdown. Fuel present at site.

IX-88-260 07/08/88 Turkey Point
 Florida Power and Light Company
 Dade County, FL

A marijuana cigarette and residue were found inside a vendor's vehicle during entry search. The driver and vehicle were denied entry. Plant status: Operational. Fuel present at site.

IX-88-261 07/09/88 Limerick
 Philadelphia Electric Company
 Montgomery County, PA

A Unit 2 contract employee gave an informant 1.3 grams of a drug which was hidden in Unit 2. The individual admitted to both on- and off-site drug use. He was escorted off-site and denied access. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-262 07/11/88 Duane Arnold
 Iowa Electric Light and Power Company
 Linn County, IA

An employee's unescorted access was denied because of a positive drug test result. Plant status: Operational. Fuel present at site.

IX-88-263 07/11/88 Vogtle
Georgia Power Company
Burke County, GA

Two beer cans and a syringe were found in the protected area by an employee. The items were confiscated. Plant status: Operational. Fuel present at site.

IX-88-264 07/12/88 Byron
Commonwealth Edison Company
Ogle County, IL

The licensee received information that an off-site substation construction helper, badged at Byron, had a substance abuse problem. He was interviewed and submitted to a drug screening test which was positive for cocaine. The individual's site access was denied. Plant status: Operational. Fuel present at site.

IX-88-265 07/12/88 Callaway
Union Electric Company
Callaway County, MO

While performing a routine maintenance check of the owner-controlled area patrol vehicle, a security shift supervisor found two small white pills, field tested as amphetamines, on the floor. Approximately 40 security officers who could have had access to the vehicle were tested for drugs. Of the 40, only one security officer tested positive for marijuana, and his employment was terminated. Plant status: Operational. Fuel present at site.

IX-88-266 07/12/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

An employee tested positive on a drug screening test. His unescorted access was revoked. Plant status: Operational. Fuel present at site.

IX-88-267 07/12/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

A radwaste handler, who had been subjected to the licensee's periodic drug monitoring program since October 1987, again tested positive for marijuana on July 12, 1988. The individual's site access was suspended. Plant status: Operational. Fuel present at site.

IX-88-268 07/12/88 Salem/Hope Creek
Public Service Electric and Gas Company
Salem County, New Jersey

A contract employee's unescorted access was revoked because of a positive result on a routine drug screening test. Plant status: All Units, Operational. Fuel present at sites.

IX-88-269 07/13/88 McGuire
Duke Power Company
Mecklenburg County, NC

A construction and maintenance department employee tested positive on a drug screening test. The individual's unescorted access was suspended. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-270 07/13/88 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

An employee's urinalysis was confirmed positive for illegal drugs. The individual was denied access to the protected area. Plant status: Unit 1, Shutdown; Units 2 and 3, Operational. Fuel present at site.

IX-88-271 07/13/88 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

A plant laundry worker's unescorted access clearance was revoked because the employee tested positive for alcohol on a required drug screening. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-272 07/14/88 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

A licensee employee tested positive on a random alcohol/drug screening test. His protected area access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-273 07/14/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

While conducting a routine sweep of the plant area with drug sensing dogs, a small cube of cocaine was detected behind some cardboard cartons stored in the general recovery and salvage warehouse within the protected area. The warehouse is normally locked or attended. The licensee conducted an investigation

and drug tested ten employees assigned to the warehouse. All tested negative for cocaine, but one individual tested positive for a different illegal substance. His employment was terminated. Plant status: Operational. Fuel present at site.

IX-88-274 07/17/88 Catawba
Duke Power Company
York County, SC

A licensee employee with unescorted access had his badge placed on "Administrative Hold" because of drug-related charges. The individual was denied unescorted access. Plant status: Operational. Fuel present at site.

IX-88-275 07/18/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

Based on an allegation that a Unit 2 contract employee was using methamphetamines, the employee was interviewed. He admitted using the drug and had a small amount in his possession on-site. His employment was terminated, and the local police were notified. Plant status: Operational. Fuel present at site.

IX-88-276 07/18/88 Oconee
Duke Power Company
Oconee County, SC

Two vendor employees tested positive on drug screening tests. Unescorted access was terminated for both individuals. Plant status: Operational. Fuel present at site.

IX-88-277 07/18/88 Salem/Hope Creek
Public Service Electric and Gas
Salem County, NJ

A utility employee granted unescorted access tested positive on a routine drug screening test. His access was revoked. Plant status: All Units, Operational. Fuel present at sites.

IX-88-278 07/18/88 Turkey Point
Florida Power and Light Company
Dade County, FL

A clerical worker was confirmed positive for cannabinoid on a prebadging urinalysis. Plant access was suspended. Plant status: Operational. Fuel present at site.

IX-88-279 07/19/88 Big Rock Point
Consumers Power Company
Charlevoix County, MI

A contract security officer's site access was suspended because his urinalysis test result was confirmed positive for cocaine during his announced annual physical examination. Plant status: Operational. Fuel present at site.

IX-88-280 07/19/88 Palisades
Consumer Power Company
Van Buren County, MI

A contract employee tested positive for drugs during his annual physical examination. His unescorted access was revoked. Plant status: Operational. Fuel present at site.

IX-88-281 07/19/88 St. Lucie
Florida Power and Light Company
St. Lucie County, FL

A vehicle and driver were denied access when a controlled substance was found during a vehicle entry search. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-282 07/20/88 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo County, CA

Alcohol was detected and confiscated during and employee's entry search. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-283 07/20-8/19/88 San Onofre
Southern California Edison Company
San Diego County, CA

A small quantity of green vegetable material was found within the Unit 1 protected area. The material was sent to a forensic laboratory for testing. On August 19, 1988, the material was identified as cannabis. The person responsible for this event was not identified. Units 1 and 3, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-284 07/20/88 Trojan
Portland General Electric Company
Columbia County, OR

An employee requested help for an alcohol problem and was enrolled in an employee assistance program. The person's card key was deleted. Plant status: Operational. Fuel present at site.

IX-88-285 07/21/88 Callaway
Union Electric Company
Callaway County, MO

A security force member's protected area access was pulled because of a positive result on a drug screening test. His name was removed from the safeguards access list. Plant status: Operational. Fuel present at site.

IX-88-286 07/21/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

An employee tested positive on a drug screening test. The individual was denied access to the protected area. Plant status: Operational. Fuel present at site.

IX-88-287 07/27/88 Nine Mile Point
Niagara Mohawk Power Company
Oswego County, NY

A utility technician, under consideration for promotion into instrumentation and calibration management, tested positive for the use of marijuana during a prepromotional physical examination. The individual was escorted to his vehicle, and his site access badge was pulled. The employee completed a prescribed course of treatment and returned to work on August 11, 1988. Plant status: Operational. Fuel present at site.

IX-88-288 07/29/88 FitzPatrick
New York Power Authority
Oswego County, NY

A licensee employee's badge was voided and unescorted access suspended because of a positive drug screening test during the annual physical examination. Plant status: Operational. Fuel present at site.

IX-88-289 07/29/88 FitzPatrick
New York Power Authority
Oswego County, NY

A senior reactor operator, off-shift for the last 7-8 months because he was assigned to activities related to the plant simulator, tested positive for cocaine use. His site access was denied. Followup tests were negative. The individual denied drug use. Based on the initial positive result and the short time that cocaine remains detectable, the individual was entered in an employee assistance program for evaluation. The evaluation concluded that there was no indication that the individual used drugs. The individual's site access was restored. Plant status: Operational. Fuel present at site.

IX-88-290 07/29/88 Palisades
Consumer Power Company
Van Buren County, MI

An anonymous on-site drug allegation was made against two unidentified individuals wearing hard hats seen smoking marijuana inside the protected area during the C shift. On August 3, 1988, drug tests were completed for employees on the C shift. No positive results were noted for the group under suspicion. Plant status: Operational. Fuel present at site

IX-88-291 07/29/88 Summer
South Carolina Electric and Gas Company
Fairfield County, SC

A seven-year veteran of the contract security force tested positive for marijuana and cocaine during his annual physical examination. The individual resigned, and his clearance was revoked. Plant status: Operational. Fuel present at site.

IX-88-292 08/01/88 Millstone
Northeast Nuclear Energy
New London County, CT

A security guard on patrol found a 12-inch, single marijuana plant growing in a low traffic area in the northeast corner of the protected area. The plant was confiscated, and the Waterford Police were notified. A search was conducted, and no other marijuana plants were found. Plant status: Operational. Fuel present at site.

IX-88-293 08/02/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

Based upon an anonymous telephone allegation, an employee was interviewed and admitted to marijuana use off-site within the preceding two days. He was escorted off-site and access denied. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-294 08/02/88 Palisades
Consumers Power Company
Van Buren County, MI

A contract employee failed the periodic fitness for duty test. His unescorted access was revoked. Plant status: Operational. Fuel present at site.

IX-88-295 08/03/88 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

A licensee employee's protected area access was revoked because of a positive result on a random alcohol/drug screening test. Plant status: Shutdown. Fuel present at site.

IX-88-296 08/03/88 Indian Point
Consolidated Edison Company
Westchester County, NY

A contract employee failed the drug screening test. His unescorted access was revoked, and his name added to the "Banned from Site" file. Plant status: Operational. Fuel present at site.

IX-88-297 08/03-09/88 Peach Bottom
Philadelphia Electric Company
York County, PA

On August 3, 1988, an employee observed an individual using marijuana at a baseball game. On August 9, 1988, the employee recognized the individual, a contract quality control inspector, on-site and reported the circumstances to security. The inspector admitted to off-site use of marijuana and was denied site access. Plant status: Shutdown. Fuel present at site.

IX-88-298 08/04/88 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

A licensee's employee's protected area access was revoked because of a positive result on a random alcohol/drug screening test. Plant status: Shutdown. Fuel present at site.

IX-88-299 08/04/88 St. Lucie
Florida Light and Power Company
St. Lucie County, FL

A contractor's site access was revoked because of a confirmed positive urinalysis test. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-300 08/04/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

An individual tested positive during a preemployment drug screening test. At the time the licensee received the test results, the individual was under escort inside the protected area. The individual was escorted off-site. Plant status: Operational. Fuel present at site.

12/31/88

IX-88-301 08/05/88 FitzPatrick
New York Power Authority
Oswego County, NY

An employee's badge was revoked, and he was escorted off-site because of a positive drug screening test. Plant status: Operational. Fuel present at site.

IX-88-302 08/05/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

An employee tested positive for a controlled substance on a random urinalysis test. He was escorted off-site, and his badge revoked. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-303 08/05/88 San Onofre
Southern California Edison Company
San Diego County, CA

An employee's unescorted access was suspended because of a positive drug screening test. Plant status: Units 1 and 3, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-304 08/05/88 Seabrook
Public Service Company of New Hampshire
Rockingham County, NH

A contract employee tested positive in a drug screening and his employment was terminated. Plant status: Preoperational. Fuel present at site.

IX-88-305 08/08/88 Duane Arnold
Iowa Electric Light and Power Company
Linn County, IA

A licensee employee's badge was pulled, and his employment terminated because of a positive result for cocaine in a random drug test. Plant status: Operational. Fuel present at site.

IX-88-306 08/09/88 Peach Bottom
Philadelphia Electric Company
York County, PA

Based on an allegation of off-site drug use, a quality control contract vendor was interviewed and admitted to taking two "hits" from a marijuana pipe offered to him by another individual, later identified as a contract laborer. Unescorted access for both individuals was removed. Plant status: Shutdown. Fuel present at site.

IX-88-307 08/10/88 Palisades
Consumers Power Company
Van Buren County, MI

A contract employee failed the periodic fitness for duty test. His unescorted access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-308 08/11/88 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

An employee's urinalysis was confirmed positive for illegal drugs. The person was denied access to the protected area. The employee performed safety-related activities. Plant status: Units 1 and 3, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-309 08/12/88 Turkey Point
Florida Power and Light Company
Dade County, FL

An employee arrested off-site on a cocaine possession charge denied the drug belonged to him. The person's urinalysis test result was negative. Access was suspended pending resolution of the criminal charges. The individual plead "No Contest." His employment was terminated. Plant status: Operational. Fuel present at site.

IX-88-310 08/15/88 Trojan
Portland General Electric Company
Columbia County, OR

A contract employee tested positive on a drug screening test. The individual was denied access to the protected area. Plant status: Operational. Fuel present at site.

IX-88-311 08/16/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

Two employees tested positive for a controlled substance in random urinalysis tests. Their access badges were revoked. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-312 08/16/88 Peach Bottom
Philadelphia Electric Company
York County, PA

A vendor employee alleged to have used drugs off-site was laid off before he could be interviewed. Plant status: Shutdown. Fuel present at site.

IX-88-313 08/17/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

A nonlicensed assistant plant operator's protected area access was revoked because of a confirmed positive result on a drug test required of all personnel with unescorted access. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site. (See Item IX-88-321.)

IX-88-314 08/18/88 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo, CA

Wine was detected and confiscated during protected area entry search of an employee. The wine was returned to the employee after he exited the protected area. Plant status: Operational. Fuel present at site.

IX-88-315 08/18/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

An employee tested positive for a controlled substance in a random urinalysis test. His access badge was revoked. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-316 08/18/88 McGuire
Duke Power Company
Mecklenburg County, NC

A construction and maintenance department employee tested positive on a drug screening test. The individual was escorted off-site, and his unescorted access was suspended. Plant status: Operational. Fuel present at site.

IX-88-317 08/18-29/88 Three Mile Island
GPU Nuclear Corporation
Dauphin County, PA

On August 18, 1988, a Unit 2 licensed reactor operator who was involved in an altercation with a Unit 2 auxiliary operator was sent to the licensee's medical department for fitness for duty testing and then taken home. His protected area access was suspended. On August 29, 1988, test results were received that indicated a blood alcohol content greater than .1 percent and a positive indication for a controlled substance. His employment was terminated. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-318 08/19/88 Brunswick
Carolina Power and Light Company
Brunswick County, NC

A contract janitor discovered possible marijuana seeds inside a cellophane wrapper in the battery compartment of a Kodak EKTRALITE plastic camera which he found in the janitorial supply locker located in the men's restroom of the service building in the protected area. The locker was not secured and could be accessed by anyone. The janitor turned the material over to his management who, in turn, handed the material to security. Plant status: Operational. Fuel present at site.

IX-88-319 08/19/88 Indian Point
New York Power Authority
Westchester County, NY

A utility employee was arrested off-site on drug charges. His badge was pulled. Plant status: Operational. Fuel present at site.

IX-88-320 08/19/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

An employee tested positive for a controlled substance in a random urinalysis test. His access badge was revoked. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-321 08/22/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

A second nonlicensed assistant plant operator's unescorted access was revoked because of a confirmed positive result on a drug test required of all personnel with unescorted access. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site. (See Item IX-88-313.)

IX-88-322 08/23/88 Ginna
Rochester Gas and Electric Company
Wayne County, NY

When a contract employee resigned his position, it was learned that the worker had approached his employer for help for a drug dependency problem on June 21, 1988. Without explanation, the contractor informed the licensee that the employee would not return to the site. The licensee's policy regarding contractor notification to the licensee of contractor employee drug usage was reviewed with all on-site contractors. Plant status: Operational. Fuel present at site.

IX-88-323 08/24/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

An employee tested positive for a controlled substance in a random urinalysis test. His access badge was revoked. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-324 08/24/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

An employee tested positive on a drug screening test. The individual's badge was invalidated, and his site access was terminated. Plant status: Operational. Fuel present at site.

IX-88-325 08/24-29/88 San Onofre
Southern California Edison Company
San Diego County, CA

On August 24, 1988, during a routine housekeeping inspection, an employee found the remains of six marijuana cigarettes inside a lubrication-oil room located in the Unit 2 turbine building. There were no other employees in the area at the time. On August 29, 1988, during a follow-on search of the protected area, the residue of 1-2 marijuana cigarettes was found inside the Unit 3 lubrication-oil room, plus additional remnants also in the Unit 2 lubrication-oil room. The licensee conducted an investigation to identify the person(s) responsible with negative results. Plant status: Operational. Fuel present at site. (See Items IX-88-341 and IX-88-395.)

IX-88-326 08/24/88 Vogtle
Georgia Power Company
Burke County, GA

An employee tested positive on a random drug screening test. The person was escorted from the protected area, and his access badge was inactivated. Plant status: Operational. Fuel present at site.

IX-88-327 08/25/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

The FBI confiscated a licensed control operator's vehicle from the owner controlled parking lot because the individual was alleged to be involved in the sale of illegal drugs. The operator's unescorted access was withdrawn. The employee was tested for drugs with negative results. He was reassigned duties outside the protected area. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-328 08/25/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

A former drug user was interviewed concerning any further drug use. The employee admitted to drug use prior to reporting for work on Unit 2. His site access was denied. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-329 08/26/88 Lasalle
Commonwealth Edison Company
La Salle County, IL

Based on an allegation that a contract employee (painter) was involved in off-site drug use, the individual was requested to submit to drug testing under the licensee's fitness for duty program. The employee agreed at first, but then refused after he left the protected area. His access to all the licensee's sites was terminated, and the local sheriff was notified of the event. Plant status: Operational. Fuel present at site.

IX-88-330 08/28/88 FitzPatrick
New York Power Authority
Oswego County, NY

An employee's badge was voided and site access was denied because of a positive drug screening test result during a physical examination. Plant status: Shutdown. Fuel present at site.

IX-88-331 08/29/88 McGuire
Duke Power Company
Mecklenburg County, NC

A vendor employee tested positive on a drug screening test. His unescorted access was suspended. Plant status: Operational. Fuel present at site.

IX-88-332 08/29/88 Point Beach
Wisconsin Electric Power Company
Manitowoc County, WI

During a routine entry search, a drug dog alerted at a truck containing four contract employees (office furniture installers). A search identified small amounts of marijuana in the personal possession of three of the four individuals. They were denied site access and turned over to local law enforcement authorities who issued citations for misdemeanor possession. None of them possessed unescorted site access. Plant status: Operational. Fuel present at site.

IX-88-333 08/30/88 Haddam Neck
Connecticut Yankee Atomic Power Company
Middlesex County, CT

A contract guard force member's site access was terminated because of positive results on a confirmatory test for drug usage. Plant status: Operational. Fuel present at site.

IX-88-334 08/30/88 San Onofre
Southern California Edison Company
San Diego County, CA

Three employees had their unescorted access suspended because of positive drug screening tests. Plant status: Operational. Fuel present at site.

IX-88-335 08/31/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

An employee tested positive on a drug screening test. The individual's site access was terminated. Plant status: Operational. Fuel present at site.

IX-88-336 09/01-10/19/88 Millstone
Northeast Nuclear Energy
New London County, CT

Haddam Neck
Connecticut Yankee Atomic Power Company
Middlesex County, CT

On September 1, 1988, a contractor was terminated for cause at the Connecticut Yankee Atomic Power Company. On October 19, 1988, the Millstone Security Department discovered that the terminated contractor had an active badge in service at Millstone. The badge was immediately taken out of service. Plant Status: Both Operational. Fuel present at sites.

IX-88-337 09/01-15/88 Peach Bottom
Philadelphia Electric Company
York County, PA

A security force member, arrested for displaying a plastic pistol, was discharged from employment to await trial. On September 15, 1988, it was learned that LSD was discovered during a search of his vehicle. Plant status: Shutdown. Fuel present at site.

IX-88-338 09/01/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

An employee tested positive on a drug screening test. The individual was escorted off-site, and his site access was terminated. Plant status: Operational. Fuel present at site.

IX-88-339 09/01/88 San Onofre
Southern California Edison Company
San Diego County, CA

An employee's unescorted access was suspended because of a positive drug screening test. Plant status: Operational. Fuel present at site.

IX-88-340 09/02/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

An employee tested positive for a controlled substance in a random urinalysis test. His access badge was revoked. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-341 09/05/88 San Onofre
Southern California Edison Company
San Diego County, CA

A firewatch person discovered a suspected marijuana cigarette butt inside the multipurpose lunchroom (Units 2 and 3) and turned the material over to security. The forensic laboratory confirmed it contained cannabis. The lunchroom was empty at the time of discovery. The licensee's investigation did not identify the responsible individual. Plant status: Operational. Fuel present at site. (See Items IX-88-325 and IX-88-395.)

IX-88-342 09/06/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

A Unit I laborer, identified by a confidential source as a cocaine and marijuana user, tested positive. His access badge was revoked. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-343 09/06/88 McGuire
Duke Power Company
Mecklenburg County, NC

A station employee tested positive on a drug screening test. His unescorted access was suspended. Plant status: Operational. Fuel present at site.

IX-88-344 09/07/88 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

A licensee employee's protected area access was revoked because of a positive result on a random alcohol/drug screening test. Plant status: Shutdown. Fuel present at site.

IX-88-345 09/09/88 Catawba
Duke Power Company
York County, SC

A licensee employee's badge was placed on "Administrative Hold" because of a positive drug screening test. The individual was denied unescorted access. Plant status: Operational. Fuel present at site.

IX-88-346 09/09/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

An employee tested positive for a controlled substance in a random urinalysis test. His access badge was revoked. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-347 09/09/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

A confidential source identification of a Unit 2 laborer as a cocaine user and dealer was confirmed by the police. The individual's employment was terminated. Plant status: Unit 1, Operational. Unit 2, Under Construction. Fuel present at site.

IX-88-348 09/13/88 San Onofre
Southern California Edison Company
San Diego County, CA

An employee's unescorted access was suspended because of a positive drug test. Plant status: Operational. Fuel present at site.

IX-88-349 09/14/88 McGuire
Duke Power Company
Mecklenburg County, NC

An employee was referred to the licensee's employee assistance program for drug use. The individual's unescorted access was suspended. Plant status: Operational. Fuel present at site.

IX-88-350 09/15/88 Robinson
Carolina Power and Light Company
Darlington County, SC

A member of the security force tested positive during his annual physical examination, and his employment was suspended. His employment was subsequently terminated for cause. Plant status: Shutdown. Fuel present at site.

IX-88-351 09/15/88 Salem/Hope Creek
Public Service Electric and Gas Company
Salem County, NJ

A contract employee's unescorted access was revoked because of a positive result on a routine drug screening test. Plant status: Hope Creek, Operational; Salem, Unit 1, Operational; Unit 2, Shutdown. Fuel present at sites.

IX-88-352 09/16/88 Davis-Besse
Toledo Edison Company
Ottawa County, OH

A blood/alcohol content test was administered to a licensee employee after the entry search officer detected the odor of alcohol on his breath. The employee was determined to be intoxicated (.146). The individual's badge was pulled, and his name added to the "Denied Access" list. Plant status: Shutdown. Fuel present at site.

IX-88-353 09/16/88 FitzPatrick
New York Power Authority
Oswego County, NY

A licensee employee's employment was terminated because of a positive drug screening test during a physical examination. Plant status: Shutdown. Fuel present at site.

IX-88-354 09/19/88 Brunswick
Carolina Power and Light Company
Brunswick County, NC

An auxiliary operator's security clearance was suspended because of a positive result for cocaine during a screening test administered for cause after he dropped his specimen during two routine examinations. Plant status: Operational. Fuel present at site.

IX-88-355 09/19/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

An employee's unescorted access was terminated and site access denied because of drug use. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-356 09/19-12/12/88 Point Beach
Wisconsin Electric Power Company
Manitowac, WI

Based on an allegation of off-site drug use by five plant employees (mechanical electricians), their site access was suspended and urine samples collected for testing. During the interview process, five additional employees were implicated (a licensed reactor operator, two persons in safety-related management positions, and two electrical mechanics), and their site access was also suspended, pending drug tests. The test results were negative for four employees (including the reactor operator), and their access reinstated. Two employees refused drug testing and were suspended for cause. Four employees were suspended because of positive test results. Subsequently, three of the latter entered the rehabilitation program and they were reinstated on December 12, 1988. Plant status: Operational. Fuel present at site.

IX-88-357 09/19/88 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

A plant employee (laborer) had his unescorted access revoked because of a positive result on a random drug screening test. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-358 09/20/88 Braidwood
Commonwealth Edison Company
Will County, IL

Based on an anonymous allegation from a concerned citizen, the licensee investigated and found 542 marijuana plants growing in a ditch around the west dike of the cooling lake in the owner controlled area. The police concluded that the plants were wild and not intentionally cultivated. The plants were destroyed and burned in place. Plant status: Operational. Fuel present at site.

IX-88-359 09/20/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

A former utility maintenance worker reported the purchase of methamphetamines within the protected area on two occasions, August 1986 and October 1986, from an employee currently enrolled in a drug rehabilitation program whose site access was revoked. Access was subsequently reinstated for both individuals. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-360 09/20/88 McGuire
Duke Power Company
Mecklenburg County, NC

A construction and maintenance department contract employee tested positive on a drug screening test. His unescorted access was suspended. Plant status: Operational. Fuel present at site.

IX-88-361 09/21/88 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo County, CA

A contract employee suspected of being under the influence of alcohol was denied access to the protected area. He was referred to his employer for disciplinary action. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-362 09/21/88 Peach Bottom
Philadelphia Electric Company
York County, PA

A contract quality control inspector's unescorted access was denied because of a confirmed positive drug test. During an interview, he confessed to off-site marijuana use and implicated another contract quality control inspector. The accused denied using drugs and consented to a canine search of the vehicle he used to come to work on that day, which is titled to a business organization where his wife worked. A small amount of seeds and a leafy substance found in the vehicle were laboratory analyzed as marijuana. Law enforcement officials were informed, but no criminal action was taken because of the small amount. The individual submitted to a drug test with negative results. He will be subjected to unannounced testing for a one-year period. Plant status: Shutdown. Fuel present at site.

IX-88-363 09/28/88 Catawba
Duke Power Company
York County, SC

A licensee employee with unescorted access had his badge placed on "Administrative Hold" because of drug-related charges. The individual's unescorted access was denied. Plant status: Operational. Fuel present at site.

IX-88-364 09/28/88 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo County, CA

A plant worker discovered a small brown glass vial containing a powdery residue and about a drop of liquid on the top of a hot/cold water dispenser in the fire brigade room of a trailer on the 140' elevation of the turbine building. Laboratory

tests confirmed the residue was methamphetamine. The licensee's investigation did not identify the responsible individual(s). Plant status: Unit 1, Operational; Unit 2, Shut-down. Fuel present at site.

IX-88-365 09/29/88 Kewaunee
Wisconsin Public Service Company
Kewaunee County, WS

Based on information from the local police concerning potential drug use by two plant employees, the licensee administered drug tests to essentially all badged personnel, including contractors, with negative results. Plant status: Operational. Fuel present at site.

IX-88-366 09/29/88 Zion
Commonwealth Edison Company
Lake County, IL

On September 29, 1988, a contract guard was suspended from duty because he tested positive on the qualitative test for drugs during his annual physical examination. On October 4, 1988, the quantitative test showed positive for cocaine. His employment was terminated. Plant status: Operational. Fuel present at site.

IX-88-367 09/30/88 Surry
Virginia Power Company
Surry County, VA

Marijuana was confiscated during entry search of contract employee. The person was denied access. Plant status: Shut-down. Fuel present at site.

IX-88-368 10/03/88- Duane Arnold
11/14/88 Iowa Electric Light and Power Company
Linn County, IA

Based on an anonymous allegation of off-site marijuana use, a licensed reactor operator's access was suspended. Initial test results were positive for marijuana and cocaine, but confirmatory tests were inconclusive. The operator denied recent marijuana use, but accepted admittance into the licensee's employee drug assistance program. The individual's site access was reinstated on November 14, 1988. He will be subject to random drug testing. Plant status: Shutdown. Fuel present at site.

IX-88-369 10/03/88 Ft. St. Vrain
Public Service of Colorado
Weld County, CO

A contract security employee requested enrollment in the employee assistance program because of alcohol abuse. Plant status: Shutdown. Fuel present at site.

IX-88-370 10/03/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

A contract employee's access was denied because he failed the drug screening test. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-371 10/03/88 San Onofre
Southern California Edison Company
San Diego County, CA

Two individuals failed the drug screening test. Unescorted access was suspended. Plant status: Operational. Fuel present at site.

IX-88-372 10/03/88 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

An individual's medical clearance was pulled and unescorted access revoked because of failure to meet the employee assistance program conditions. There was no evidence of on-the-job alcohol/drug use. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-373 10/04/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

Two contract employees were denied access because they failed the drug screening test. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-374 10/05/88 FitzPatrick
New York Power Authority
Oswego County, NY

An employee tested positive for drugs during the annual physical examination. The individual's unescorted site access was denied. Plant status: Shutdown. Fuel present at site.

12/31/88

IX-88-375 10/06/88 McGuire
Duke Power Company
Mecklenburg County, NC

At the request of the company's employee assistance program counselor, a licensee employee's unescorted access was suspended because of alcohol abuse. Plant status: Operational. Fuel present at site.

IX-88-376 10/06-07/88 River Bend
Gulf States Utilities
West Feliciana Parish, LA

Based on an anonymous allegation of drug use, a licensee maintenance department employee's unescorted access was suspended. When interviewed, the employee admitted to cocaine use on one occasion about two weeks previously and voluntarily submitted a urine sample. The urinalysis proved positive, and the employee was enrolled in a hospital chemical dependency program. As a condition of employment after discharge, the employee will be subject to unannounced drug screening tests for a one-year period. Plant status: Shutdown. Fuel present at site.

IX-88-377 10/07/88 Catawba
Duke Power Company
York County, SC

An employee tested positive on a drug screening test. The individual's badge was placed on "Administrative Hold." The individual was denied unescorted access. Plant status: Operational. Fuel present at site.

IX-88-378 10/07/88 Peach Bottom
Philadelphia Electric Company
York County, PA

A gas chromatography/mass spectrometry drug test was positive for a contract employee. His unescorted access was terminated. Plant status: Shutdown. Fuel present at site.

IX-88-379 10/08/88 Vogtle
Georgia Power Company
Burke County, GA

An employee in the owner-controlled area was judged not fit for duty. His badge was inactivated, and access denied. The individual's alcohol test result exceeded the licensee's limit. His employment was terminated. Plant status: Shutdown. Fuel present at site.

IX-88-380 10/10/88 Clinton
Illinois Power Company
De Witt County, IL

A senior manager was alleged to have alcohol on his breath and to stumble as he passed through a radiation frisker. Two other licensee employees, including a shift supervisor, stated they smelled no alcohol while in the presence of the manager and that he was not acting in a manner unfit for duty. Based on the licensee's investigation and the NRC inspection, it was concluded there was reasonable assurance the manager was fit for duty and his actions relating to plant matters were appropriate for the safe operation of the facility. Plant status: Operational. Fuel present at site.

IX-88-381 10/10/88 McGuire
Duke Power Company
Mecklenburg County, NC

A contract employee's unescorted access was terminated because of a positive drug screening test. Plant status: Operational. Fuel present at site.

IX-88-382 10/11/88 Arkansas
Arkansas Power and Light Company
Pope County, AR

See Category VII, Item VII-88-41.

IX-88-383 10/11/88 San Onofre
Southern California Edison Company
San Diego County, CA

An individual failed the drug screening test, and his unescorted access was suspended. Plant status: Operational. Fuel present at site.

IX-88-384 10/11/88 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

A plant employee in the mechanical testing section tested positive for a controlled substance on a required drug screening test. The individual's protected area badge and keycard were pulled, and he was escorted out of the protected area. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

12/31/88

IX-88-385 10/11/88 Vogtle
Georgia Power Company
Burke County, GA

An employee in the owner-controlled area was determined to be under the influence and not fit for duty. His badge was inactivated, and he was escorted off-site. Subsequently, the individual's urinalysis was positive for cocaine, and his employment was terminated. Plant status: Shutdown. Fuel present at site.

IX-88-386 10/11/88 Vogtle
Georgia Power Company
Burke County, GA

A licensee employee was determined not to be fit for duty. He refused to submit to a drug/alcohol test. His badge was inactivated, and access was denied. He was subsequently reinstated at a nonnuclear facility. Plant status: Shutdown. Fuel present at site.

IX-88-387 10/12/88 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

An employee tested positive on a random alcohol/drug test. The individual's protected area access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-388 10/12/88 FitzPatrick
New York Power Authority
Oswego County, NY

An employee tested positive for drugs during the annual physical examination. The individual was denied site access. Plant status: Shutdown. Fuel present at site.

IX-88-389 10/12/88 McGuire
Duke Power Company
Mecklenburg County, NC

Unescorted access was suspended for a maintenance employee who was referred to the company's employee assistance program for drug use. Plant status: Shutdown. Fuel present at site.

IX-88-390 10/13/88 Browns Ferry
Tennessee Valley Authority
Limestone County, TN

An employee tested positive on a random alcohol/drug test. The individual's protected area access was revoked. Plant status: Shutdown. Fuel present at site.

12/31/88

IX-88-391 10/13/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

A contract guard's access was denied because he failed the drug screening test. Plant status: Operational. Fuel present at site.

IX-88-392 10/14/88 McGuire
Duke Power Company
Mecklenburg County, NC

A construction and maintenance department employee's unescorted access was suspended because of a positive drug screening test. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-393 10/14/88 Palisades
Consumers Power Company
Van Buren County, MI

A company employee failed the "for cause" alcohol test. The individual's unescorted access was suspended. Plant status: Shutdown. Fuel present at site.

IX-88-394 10/14-11/14/88 San Onofre
Southern California Edison Company
San Diego County, CA

After finding a total of 11 marijuana cigarette butts inside the protected area on August 24, August 29, and September 5, 1988 (Items IX-88-325 and IX-88-341), the licensee expanded their investigation to include a drug detection dog search of the protected areas, urinalysis tests of persons whose duties required working in the lubrication oil room, and continued sweeps and searches by housekeeping and security personnel. These efforts resulted in finding 21 additional discoveries of small amounts/residue of marijuana, cocaine, and methamphetamine inside the protected area. The licensee's investigation did not identify the responsible individual(s). On November 14, 1988, in response to the Federal District Courts' actions to lift an injunction which had disallowed random urinalysis testing, the licensee expanded their testing program to include random testing of approximately 3,000 persons granted unescorted protected area access. Plant status: Operational. Fuel present at site.

IX-88-395 10/18/88 San Onofre
Southern California Edison Company
San Diego County, CA

An individual failed the drug screening test, and his unescorted access was suspended. Plant status: Operational. Fuel present at site.

IX-88-396 10/21/88 Farley
Alabama Power Company
Houston County, AL

A plant employee tested positive for a controlled substance on a drug screening test administered as part of his medical examination. The individual admitted to off-site use, and his badge was revoked. Plant status: Operational. Fuel present at site.

IX-88-397 10/23-25/88 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo County, CA

On October 23, 1988, two contract radiation protection employees discovered three marijuana cigarette butts, about one-quarter inches long, and seven burned matches on the floor of the 55' elevation pipe tunnel in the Unit 2 auxiliary building. On October 25, 1988, a small portion of a marijuana butt was found on the 55' elevation auxiliary building floor. An inspection indicated all equipment in the areas was functioning properly and revealed no further evidence of a controlled substance. The licensee's investigation did not identify the responsible individual(s). Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-398 10/23/88 Vogtle
Georgia Power Company
Burke County, GA

A licensee employee was determined not to be fit for duty. His badge was inactivated, and access was denied. An alcohol screening test was positive, and his employment was terminated. Plant status: Shutdown. Fuel present at site.

IX-88-399 10/24-27/88 McGuire
Duke Power Company
Mecklenburg County, NC

A plant operator on routine rounds observed two contract employees in the basement of the Unit 1 turbine building smoking what he believed to be marijuana. Site access was suspended pending results of new drug tests for the two workers hired to install pipe insulation during the outage. One employee tested positive, and his unescorted access was terminated. The other person tested negative, and his unescorted access was reinstated. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-400 10/24/88 Ocone
Duke Power Company
Ocone County, SC

A construction and maintenance department employee tested positive on a drug screening test. The person's badge was placed on "Supervisory Hold," and access was denied. Plant status: Operational. Fuel present at site.

IX-88-401 10/24/88 Peach Bottom
Philadelphia Electric Company
York County, PA

An employee was positive on the gas chromatography/mass spectrometry drug test. He was denied access. Plant status: Shutdown. Fuel present at site.

IX-88-402 10/24/88 Seabrook
Public Service Company of New Hampshire
Rockingham County, NH

Protected area access was suspended for a licensee employee because of a positive drug screening test. Plant status: Preoperational. Fuel present at site.

IX-88-403 10/24/88 Seabrook
Public Service Company of New Hampshire
Rockingham County, NH

Protected area access was terminated for a licensee employee because of a positive drug screening test for the second time. Plant status: Preoperational. Fuel present at site.

IX-88-404 10/25/88 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo County, CA

Alcohol was confiscated during a vehicle search prior to protected area entry. The licensee determined there was no malicious intent. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-405 10/25/88 FitzPatrick
New York Power Authority
Oswego County, NY

An employee tested positive for drugs during the annual physical examination. The individual was denied unescorted access. Plant status: Shutdown. Fuel present at site.

IX-88-406 10/25/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

Undeclared alcohol was detected and confiscated during an employee's site entrance search. The person was denied access, and his badge was invalidated. Plant status: Operational. Fuel present at site.

IX-88-407 10/26-11/07/88 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

On October 26, 1988, a nonlicensed auxiliary operator tested positive for cocaine, and on October 27, 1988, another nonlicensed auxiliary operator tested positive for marijuana. Results of the tests, conducted as part of the licensee's routine annual drug screening program, were confirmed on October 31, 1988. Protected area unescorted access was suspended for both individuals, and they were enrolled in an employee assistance program. On a second test, administered during the week of November 7, 1988, the results were negative for the individual who was previously cocaine-positive, and unescorted access was restored. The individual remains in the licensee's established followup program of frequent random testing. The other person resigned his employment prior to receipt of test results which showed a rise in the marijuana level. Plant status: Operational. Fuel present at site.

IX-88-408 10/26/88 Peach Bottom
Philadelphia Electric Company
York County, PA

The licensee received an allegation of off-site drug involvement by an unnamed member of the security force. The allegation was deemed noncredible. Plant status: Shutdown. Fuel present at site.

IX-88-409 10/26/88 Seabrook
Public Service of New Hampshire
Rockingham County, NH

Two licensee employees tested positive for drugs. One individual's employment was terminated, and the second employee's protected area access was suspended. Plant status: Pre-operational. Fuel present at site.

IX-88-410 10/27/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

Plant access was denied to two contract workers because they failed the drug screening test. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-411 1/27/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

A contract workers plant access was denied because of the initial positive results on a drug screening test. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-412 10/27/88 McGuire
Duke Power Company
Mecklenburg County, NC

A security officer's unescorted access was suspended because of a positive drug screening test. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-413 10/27/88 Nine Mile Point
Niagara Mohawk Power Company
Oswego County, NY

Based on an anonymous allegation of marijuana use, two contract employees were requested to take a drug screening test. One refused to submit to a test and was denied access. The other person submitted a urine sample; however, the temperature of the sample was faulty. He refused to submit another sample, and his access was denied. Plant status: Shutdown. Fuel present at site.

IX-88-414 10/28/88 Clinton
Illinois Power Company
De Witt County, IL

A reactor operator requested and was admitted to an employee assistance program because of an alcohol abuse problem. The employee's unescorted access was terminated. Plant status: Operational. Fuel present at site.

IX-88-415 10/28/88 Vogtle
Georgia Power Company
Burke County, GA

A licensee employee in the protected area was determined not to be fit for duty and escorted out of the area. His badge was inactivated. An alcohol intoxication test was positive, and his employment was terminated. A search of the area was conducted with negative results. Plant status: Shutdown. Fuel present at site.

IX-88-416 10/31/88 Brunswick
Carolina Power and Light Company
Brunswick County, NC

During entry search of a vendor's truck, a bag containing approximately 1/4 ounce of marijuana was found inside a suitcase. A detective from the County Sheriff's Department took possession of the substance, and the suitcase owner was taken into custody. The vendor company was denied site access. Plant status: Operational. Fuel present at site.

IX-88-417 10/31/88 San Onofre
Southern California Edison Company
San Diego County, CA

An individual failed the drug screening test. His unescorted access was suspended. Plant status: Operational. Fuel present at site.

IX-88-418 11/01/88 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

An employee tested positive on a random alcohol/drug test. The individual's protected area access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-419 11/01/88 San Onofre
Southern California Edison Company
San Diego County, CA

A plant employee conducting a routine housekeeping inspection discovered the residue of marijuana in the Unit 2 turbine building lubrication oil room, within the plant protected area. Subsequent searches uncovered additional controlled substances in the plant protected area; none of the locations were in the vital area. No one responsible for the events was identified. Plant status: Operational. Fuel present at site.

IX-88-420 11/02/88 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo County, CA

A worker reported the possible odor of marijuana. The area was searched, and no evidence to indicate use was found. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-421 11/02/88 FitzPatrick
New York Power Authority
Oswego County, NY

An employee tested positive for drugs during the annual physical examination. The individual's unescorted access was denied. Plant status: Shutdown. Fuel present at site.

IX-88-422 11/04/88 Robinson
Carolina Power and Light Company
Darlington County, SC

A contract employee tested positive for drugs. The individual was removed from the site, and unescorted access was terminated. Plant status: Operational. Fuel present at site.

IX-88-423 11/02/88 Salem/Hope Creek
Public Service and Gas Company
Salem County, NJ

An contract employee's unescorted access was revoked because of positive results on a drug screening test requested by the person's supervisor. Plant status: Hope Creek, Shutdown; Salem, Unit 1, Operational; Unit 2, Shutdown. Fuel present at sites.

IX-88-424 11/04/88 Vogtle
Georgia Power Company
Burke County, GA

A licensee employee was determined not to be fit for duty and escorted out of the protected area. His badge was inactivated. He refused to submit to an alcohol/drug test, and his employment was terminated. Plant status: Shutdown. Fuel present at site.

IX-88-425 11/05/88 Vogtle
Georgia Power Company
Burke County, GA

A licensee employee was determined not to be fit for duty and escorted out of the protected area. His badge was inactivated. He tested positive for alcohol, and his employment was terminated. Plant status: Shutdown. Fuel present at site.

IX-88-426 11/07/88 Turkey Point
Florida Power and Light Company
Dade County, FL

An employee was determined to be intoxicated during entry processing. He was denied access. Plant status: Shutdown. Fuel present at site.

12/31/88

IX-88-427 11/08/88 Indian Point
Consolidated Edison Company
Westchester County, NY

A contract employee with vital area access failed the drug screening test. He was immediately escorted off-site. His security badge was revoked, and he was banned from the site. Plant status: Operational. Fuel present at site.

IX-88-428 11/09/88 Crystal River
Florida Power Corporation
Citrus County, FL

During a search prior to protected area entry, alcoholic beverages were detected on an individual. He was denied entrance. Plant status: Operational. Fuel present at site.

IX-88-429 11/09/88 Robinson
Carolina Power and Light Company
Darlington County, SC

A contract employee tested positive for drugs. The individual was removed from the site and unescorted access was terminated. Plant status: Operational. Fuel present at site.

IX-88-430 11/09/88 Wolf Creek
Kansas Gas and Electric Company
Coffee County, KS

An individual's employment was terminated because of a second positive drug screening test result. Plant status: Shutdown. Fuel present at site.

IX-88-431 11/10/88 Big Rock Point
Consumers Power Company
Charlevoix County, MI

Of the 160 personnel on-site who were given a routine urinalysis test, one member of the training staff (an individual who holds an inactive senior reactor operator license) tested positive for cocaine. The employee's access was revoked, and he was entered into an employee assistance program. Plant status: Operational. Fuel present at site.

IX-88-432 11/10/88 Salem/Hope Creek
Public Service Electric and Gas Company
Salem County, NJ

A licensee employee's unescorted access was revoked because of a positive result on a routine drug screening test. Plant status: Hope Creek, Operational; Salem, Unit 1, Operational; Unit 2, Shutdown. Fuel present at sites.

IX-88-433 11/10/88 Indian Point
Consolidated Edison Company
Westchester County, NY

A contract employee with protected area access failed the drug screening test. His security badge was revoked, and he was banned from the site. Plant status: Operational. Fuel present at site.

IX-88-434 11/10/88 San Onofre
Southern California Edison Company
San Diego County, CA

Two individuals failed the drug screening test. Their unescorted access was suspended. Plant status: Operational. Fuel present at site.

IX-88-435 11/11/88 Prairie Island
Northern States Power Company
Goodhue County, MN

A training instructor who holds an inactive reactor operator's license was arrested for driving while intoxicated and possession of a small amount of marijuana. The individual did not report the incident as required by the fitness for duty program. His site access was suspended. Plant status: Operational. Fuel present at site.

IX-88-436 11/11/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

An individual's badge was invalidated, and he was removed from the site because of positive drug screening test results. Plant status: Operational. Fuel present at site.

IX-88-437 11/12/88 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo, CA

A person's access to the protected area was suspended because of an allegation of off-site use of a controlled substance. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-438 11/15/88 Davis Besse
Toledo Edison Company
Ottawa County, OH

On November 15, 1988, a contract engineer involved in fire protection activities had his badge pulled and site access denied because of an initial positive test result during a random drug test. On November 23, 1988, positive confirmation was received. Plant Status: Shutdown. Fuel present at site.

IX-88-439 11/15/88 Indian Point
Consolidated Edison Company
Westchester County, NY

A contract employee with vital area access failed the drug screening test. He was immediately escorted off-site. His security badge was revoked, and he was banned from the site. Plant status: Operational. Fuel present at site.

IX-88-440 11/15-17/88 Oyster Creek
GPU Nuclear Corporation
Ocean County, NJ

Eight empty liquor bottles were found in an unused drywell penetration which was located approximately 13 feet above the floor and only accessible from outside the drywell by ladder or scaffold. From the dust accumulation, it is suspected the bottles were there for a long time. Plant status: Shutdown. Fuel present at site.

IX-88-441 11/15/88 Prairie Island
Northern States Power
Goodhue County, MN

An individual's badge was revoked because of illegal possession of a controlled substance off-site. Clearance was denied until the completion of fitness for duty programs. Plant status: Unit 1, Operational; Unit 2, Shutdown. Fuel present at site.

IX-88-442 11/16/88 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

An employee tested positive on a random alcohol/drug test. The individual's access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-443 11/16/88 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

An employee's urinalysis was confirmed positive for illegal drugs. The person's protected area access was suspended. Plant status: Operational. Fuel present at site.

IX-88-444 11/16/88 San Onofre
Southern California Edison Company
San Diego County, CA

Three individuals failed the drug screening test. Their unescorted access was suspended. Plant status: Operational. Fuel present at site.

IX-88-445 11/16/88 Turkey Point
Florida Power and Light Company
Dade County, FL

Alcohol was found during vehicle entry search and access was initially denied. After an evaluation, the driver and vehicle were allowed in the plant under escort. Plant status: Shut-down. Fuel present at site.

IX-88-446 11/17/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

A contract worker's plant access was denied because of an initial positive result on a drug screening test. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-447 11/17-21/88 St. Lucie
Florida Power and Light Company
St. Lucie County, FL

Based on an allegation of drug use, a contract employee's site access was suspended. The individual was tested and cleared. His site access was reinstated on November 21, 1988. Plant Status: Operational. Fuel present at site.

IX-88-448 11/18/88 McGuire
Duke Power Company
Mecklenburg County, NC

Unescorted access was suspended for an operations employee who requested participation in the employee assistance program. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-449 11/18/88 San Onofre
Southern California Edison Company
San Diego County, CA

An individual failed the drug screening test. His unescorted access was suspended. Plant status: Operational. Fuel present at site.

IX-88-450 11/26-29/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

On November 26, 1988, based on an anonymous call alleging that a nonlicensed equipment operator was observed using illegal drugs, the employee was denied protected area access. On November 27, 1988, the individual submitted to a urinalysis test

which was confirmed positive on November 29, 1988. His employment was terminated. Plant status: Operational. Fuel present at site.

IX-88-451 11/28/88 Byron
Commonwealth Edison Company
Ogle County, IL

A nonlicensed equipment operator tested positive for cocaine on a drug abuse test administered as a result of a supervisor's concern about the employee's job performance. His unescorted access was terminated. Plant status: Operational. Fuel present at site.

IX-88-452 11/28/88 Robinson
Carolina Power and Light Company
Darlington County, SC

A contract employee tested positive for drugs. The individual was removed from the site, and his unescorted access was terminated. Plant status: Shutdown. Fuel present at site.

IX-88-453 11/29/88 Fermi
Detroit Edison Company
Monroe County, MI

Based on suspicion of intoxication, an employee was denied access to the protected area and transported to the hospital to determine fitness for duty. The person's keycard was deactivated. Plant status: Operational. Fuel present at site.

IX-88-454 12/01/88 Robinson
Carolina Power and Light Company
Darlington County, SC

A contract employee tested positive for drugs. The individual was removed from the site, and his unescorted access was terminated. Plant status: Shutdown. Fuel present at site.

IX-88-455 12/01/88 South Texas
Houston Lighting and Power Company
Matagorda County, TX

An individual with vital area access failed the drug test. He was escorted out of the protected area, and his badge keycard was placed on "Hold." Site access was permanently denied. Plant status: Shutdown. Fuel present at site.

IX-88-456 12/02-06/88 Browns Ferry
Tennessee Valley Authority
Limestone County, TN

A licensed senior reactor operator tested positive for drugs during a random drug test. The individual's unescorted access

to the protected area was immediately revoked. The individual's employment was suspended. Immediate compensatory measures were taken on discovery. A confirmatory positive urinalysis result was received on the licensed senior reactor operator. The individual was removed from licensed duties and volunteered to enroll in the licensee's drug rehabilitation program. Plant status: Shutdown. Fuel present at site.

IX-88-457 12/02/88 Indian Point
New York Power Authority
Westchester County, NY

A nonlicensed operator tested positive for prescription drugs, valium and codeine, during his annual physical examination, and he would not present a prescription for the drugs. Prior to this test, the employee had completed a one-year random testing program consisting of six tests following a positive test for marijuana. The employee was enrolled in the licensee's employee assistance program. Plant status: Operational. Fuel present at site.

IX-88-458 12/02/88 Robinson
Carolina Power and Light Company
Darlington County, SC

A contractor employee tested positive for drugs. The individual was removed from the site, and his unescorted access was terminated. Plant status: Shutdown. Fuel present at site.

IX-88-459 12/02/88 Surry
Virginia Power Company
Surry County, VA

A contract employee was judged unfit for duty and removed from the protected area. His employment was terminated. Plant status: Shutdown. Fuel present at site.

IX-88-460 12/02/88 San Onofre
Southern California Edison Company
San Diego County, CA

An individual failed the drug screening test. His unescorted access was suspended. Plant status: Unit 1, Shutdown; Units 2 and 3, Operational. Fuel present at site.

IX-88-461 12/02/88 San Onofre
Southern California Edison Company
San Diego County, CA

During a routine housekeeping inspection, a scrap of paper with traces of cocaine was found in the Unit 2 fuel handling building, a vital area. Subsequently other discoveries of controlled substances were found in other plant protected areas. The licensee conducted investigatory drug screening urinalysis

testing of individuals who entered the areas where controlled substances were found prior to the discovery events. No suspects were identified. Plant status: Unit 1, Shutdown; Units 2 and 3, Operational. Fuel present at site.

IX-88-462 12/03/88 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

Unescorted access was revoked for an employee suspected of alcohol/drug use off-site. Plant status: Shutdown. Fuel present at site.

IX-88-463 12/03/88 Oyster Creek
GPU Nuclear Corporation
Ocean County, NJ

An empty whiskey bottle was found on top of ductwork in the reactor building. The bottle was covered with dust and appeared to have been there for a number of years. It contained no residue of liquor. Plant status: Shutdown. Fuel present at site.

IX-88-464 12/04/88 Yankee-Rowe
Yankee Atomic Electric Company
Franklin County, MA

During a search prior to protected area entry, a controlled substance was found in an individual's coat. The person's access was denied. The local law enforcement agency was contacted, and the individual was charged with possession of marijuana. A fine was paid. Plant status: Shutdown. Fuel present at site.

IX-88-465 12/05-21/88 St. Lucie
Florida Power and Light Company
St. Lucie County, FL

A licensee employee refused to undergo random drug screening. The individual's vital area access was suspended. Subsequently, the employee was tested with negative results, and access was reinstated on December 21, 1988. Plant status: Operational. Fuel present at site.

IX-88-466 12/05/88-
01/18/89 St. Lucie
Florida Power and Light Company
St. Lucie County, FL

A licensee employee's vital area access was suspended because he refused a random drug screening test. On January 17, 1989, the individual submitted to a urinalysis with negative results. His access was reinstated on January 18, 1989. Plant status: Operational. Fuel present at site.

IX-88-467 12/05/88 San Onofre
Southern California Edison Company
San Diego County, CA

A match box with traces of marijuana was found in the Unit 2 control building, a vital area. The licensee's investigation did not identify the responsible individual(s). Plant status: Unit 1, Shutdown; Units 2 and 3, Operational. Fuel present at site.

IX-88-468 12/05/88 Turkey Point
Florida Power and Light Company
Dade County, FL

Two employees had their unescorted access suspended because of positive results on random drug screening tests. Plant status: Shutdown. Fuel present at site.

IX-88-469 12/05/88 Turkey Point
Florida Power and Light Company
Dade County, FL

An employee's unescorted access was suspended because of positive results on a random drug screening test. Plant status: Shutdown. Fuel present at site.

IX-88-470 12/06/88 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

A plant instrument mechanic's unescorted access was revoked because of a positive result for marijuana on a random drug screening test. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-471 12/07/88 Duane Arnold
Iowa Electric Light and Power Company
Linn County, IA

A utility employee reported to plant supervision that he detected a strong odor of burned marijuana on an on-duty guard in a vital area. The guard, who had left the site in the interim, was telephonically requested to return to the site for a "for cause" fitness for duty test, but refused. The guard's site access was suspended. A search of his locker and work area was conducted with negative results. Plant status: Shutdown. Fuel present at site.

IX-88-472 12/08/88 Indian Point
Consolidated Edison Company
Westchester County, NY

A contract employee with vital area access failed a drug screening test. The individual was immediately escorted

off-site. His security badge was revoked, and he was banned from the site. Plant status: Operational. Fuel present at site.

IX-88-473 12/08-12/88 St. Lucie
Florida Power and Light Company
St. Lucie County, FL

A contract employee's site access was suspended because of a random drug screening test result. The individual was subsequently cleared by a physician, and access was reinstated on December 12, 1988. Plant status: Operational. Fuel present at site.

IX-88-474 12/08/88 Palo Verde
Arizona Public Service Company
Maricopa County, AZ

Protected area access was suspended for two employees whose drug tests were confirmed positive for illegal drugs. Plant status: Operational. Fuel present at site.

IX-88-475 12/08/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

An individual was removed from site and his badge invalidated as a result of a narcotics investigation. Plant status: Operational. Fuel present at site.

IX-88-476 12/09/88 Harris
Carolina Power and Light Company
Wake County, NC

Based on an anonymous allegation that a vendor employee was using as well as selling drugs on-site, the suspect was interviewed. He consented to a search of his person and property with negative results. The employee admitted to off-site drug use and refused to take a drug screening test. His employment was terminated. Plant status: Operational. Fuel present at site.

IX-88-477 12/09/88 St. Lucie
Florida Power and Light Company
St. Lucie County, FL

A contract employee's site access was suspended because of a random drug screening test result. Plant status: Operational. Fuel present at site.

IX-88-478 12/09/88 San Onofre
Southern California Edison Company
San Diego County, CA

The residue of two marijuana cigarettes was found by the licensee in the Unit 2 lubrication oil room, in the protected area. The licensee's investigation did not identify the responsible individual(s). Plant Status: Unit 1, Shutdown; Units 2 and 3, Operational. Fuel present at site.

IX-88-479 12/10/88 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

An individual's badge was invalidated and his employment terminated as a result of an alcohol investigation. Plant status: Shutdown. Fuel present at site.

IX-88-480 12/12/88 Salem/Hope Creek
Public Electric and Gas Company
Salem County, NJ

A contract employee's unescorted access was revoked because of a positive result on a routine drug screening test. Plant status: Hope Creek, Operational; Salem, Unit 1, Operational; Unit 2, Shutdown. Fuel present at sites.

IX-88-481 12/12/88 Vogtle
Georgia Power Company
Burke County, GA

Two licensee employees were determined not to be fit for duty. Drug tests were administered with positive results. Their badges were inactivated and access denied. Plant status: Operational. Fuel present at site.

IX-88-482 12/13/88 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo County, AL

Beer was discovered in the protected area and removed. The licensee determined there was no malicious intent. Plant status: Operational.

IX-88-483 12/13/88 Indian Point
Consolidated Edison Company
Westchester County, NY

A contract employee with vital area access failed a drug screening test. He was immediately escorted off-site. His security badge was revoked, and he was banned from the site. Plant status: Operational. Fuel present at site.

IX-88-484 12/13/88 Vogtle
Georgia Power Company
Burke County, GA

Based on an allegation of cocaine use, a plant equipment operator trainee was tested for drugs. The initial result was positive for cocaine. His access was suspended, and his employment terminated. Plant status: Operational. Fuel present at site.

IX-88-485 12/15/88 Duane Arnold
Iowa Electric Light and Power Company
Linn County, IA

Based on an allegation of suspected on-site drug use, a security guard's access was denied. He refused to be tested. His employment was terminated. Plant status: Shutdown. Fuel present at site.

IX-88-486 12/15/88 Turkey Point
Florida Power and Light Company
Dade County, FL

An employees unescorted access was suspended because of positive results on a random drug screening test. Plant status: Shutdown. Fuel present at site.

IX-88-487 12/15/88 San Onofre
Southern California Edison Company
San Diego County, CA

The licensee reported the discovery of the remains of a marijuana cigarette in the Unit 3 fuel handling building, a vital area. The licensee did not identify the responsible individual(s). Plant status: Unit 1, Shutdown; Units 2 and 3, Operational. Fuel present at site.

IX-88-488 12/15/88 Vogtle
Georgia Power Company
Burke County, GA

As a result of an investigation (See IX-88-484), five additional plant equipment operator trainees were drug tested. One individual tested positive for cocaine. His employment was terminated. Plant status: Operational. Fuel present at site.

IX-88-489 12/16/88-
12/20/88 Duane Arnold
Iowa Electric Light and Power Company
Linn County, IA

Based on the results of an alcohol breathalyzer test administered to a utility employee hired as a temporary laborer during the refueling outage, he was disciplined and site access was denied. His access was reinstated on December 20, 1988. Plant status: Shutdown. Fuel present at site.

IX-88-490 12/16/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

A contract worker's plant access was denied because of an initial positive result on a drug screening test. Plant status: Unit 1, Operational; Unit 2, Under Construction. Fuel present at site.

IX-88-491 12/19-30/88 Fort Calhoun
Omaha Public Power District
Washington County, NE

An Omaha Public Power District (OPPD) licensed operator tested positive for marijuana during the Wolf Creek preemployment drug screening test. Wolf Creek informed OPPD of the test results. The employee's badge was pulled. A drug and alcohol screening test for cause was conducted and confirmed positive. The operator resigned his employment, and his unescorted access was permanently terminated. Plant status: Shutdown. Fuel present at site.

IX-88-492 12/19/88 San Onofre
Southern California Edison Company
San Diego County, CA

An individual's unescorted access was suspended because he failed the drug screening test. Plant status: Unit 1, Shutdown; Units 2 and 3, Operational. Fuel present at site.

IX-88-493 12/19/88 Turkey Point
Florida Power and Light Company
Dade County, FL

Alcohol was found during a vehicle search, and access was denied. Plant status: Shutdown. Fuel present at site.

IX-88-494 12/20/88 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

Based on a fitness for duty examination, a security shift lieutenant's unescorted access clearance was revoked because of alcohol abuse. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

IX-88-495 12/21/88 San Onofre
Southern California Edison Company
San Diego County, CA

An individual failed the drug screening test. His unescorted access was suspended. Plant status: Unit 1, Shutdown; Units 2 and 3, Operational. Fuel present at site.

IX-88-496 12/22/88 Robinson
Carolina Power and Light Company
Darlington County, SC

While on a routine security patrol, a security force member detected an unusual odor in the vicinity of four contract employees who were smoking cigarettes in the protected area. Three of the employees, assigned to install cable hangers on the auxiliary building roof, were interrogated and searched with negative results; the third had left the site. The employees refused to undergo drug screening. All four employees have left the site permanently, and their badges have been inactivated. Plant status: Shutdown. Fuel present at site.

IX-88-497 12/23/88 Fort Calhoun
Omaha Public Power District
Washington County, NE

An employee was determined to be under the influence of alcohol and escorted off-site. The person's badge was deactivated. Plant status: Shutdown. Fuel present at site.

IX-88-498 12/27/88 Robinson
Carolina Power and Light Company
Darlington County, SC

A contractor employee tested positive for drugs. The individual was removed from the site, and his unescorted access was terminated. Plant status: Shutdown. Fuel present at site.

IX-88-499 12/27/88 San Onofre
Southern California Edison Company
San Diego County, CA

An individual failed the drug screening test. His unescorted access was suspended. Plant status: Unit 1, Shutdown; Units 2 and 3, Operational. Fuel present at site.

IX-88-500 12/27/88 San Onofre
Southern California Edison Company
San Diego County, CA

The licensee reported the discovery of the remains of a marijuana cigarette in a switchgear room in the Units 2 and 3 control building, in the protected area. The licensee's investigation did not identify the responsible individual(s). Plant status: Unit 1, Shutdown; Units 2 and 3 Operational. Fuel present at site.

IX-88-501 12/28/88 San Onofre
Southern California Edison Company
San Diego County, CA

An individual failed the drug screening test. His unescorted access was suspended. Plant status: Unit 1, Shutdown; Units 2 and 3, Operational. Fuel present at site.

IX-88-502 12/28/88 Turkey Point
Florida Power and Light Company
Dade County, FL

Alcohol was found during a vehicle entry search and access was denied. Plant status: Shutdown. Fuel present at site.

IX-88-503 12/29/88 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

An employee tested positive on an alcohol/drug test. The individual's access was revoked. Plant status: Shutdown. Fuel present at site.

IX-88-504 12/29/88 San Onofre
Southern California Edison Company
San Diego County, CA

An individual failed the drug screening test. His unescorted access was suspended. Plant status: Unit 1, Shutdown; Units 2 and 3, Operational. Fuel present at site.

IX-88-505 12/30/88 Browns Ferry
Tennessee Valley Authority
Limestone County, AL

An employee tested positive on an alcohol/drug test. The individual's access was revoked. Plant status: Shutdown. Fuel present at site.

X-85-04 08/16/85 Duane Arnold
Iowa Electric Light and Power Company
Linn County, IA

At 4 p.m., a contractor health physics technical employee at the site called the licensee's corporate office to file a complaint. During the conversation, the employee threatened to sabotage the plant. The licensee terminated the individual's employment at the site. Fuel present at site.

X-85-05 10/04/85 Davis-Besse
Toledo Edison Company
Ottawa County, OH

During a routine search, a contractor employee was found with a 9-inch long hunting knife in his booth. He was a new employee working at the site. Access was denied. Licensee management determined that the individual and knife did not represent a threat to the facility. Fuel present at site.

X-86-01 01/11/86 South Texas
Houston Lighting and Power Company
Matagorda County, TX

Between 7 a.m. and 9 a.m., the windows of approximately 350 cars were damaged in the South Texas project parking lot. The damage was believed to be related to labor unrest. South Texas project had recently reduced the workforce and cut back work hours. A check in the plant revealed no damage to the facility. Plant status: Preoperational. Fuel not present at site. (See Item X-86-02.)

X-86-02 01/14/86 South Texas
Houston Lighting and Power Company
Matagorda County, TX

Approximately 340 cars were damaged during the evening shift. The licensee increased security coverage. Plant status: Preoperational. Fuel not present at site. (See item X-86-01.)

X-86-03 01/30/86 Sequoyah Fuels Corporation
Gore, OK

Between 1:30 and 2:30 a.m., intruders cut the site security fence on the west side of the site and then cut another fence to gain access to contaminated sod which had been placed in a storage area after the January 4, 1986 accident involving the rupture of a UF6 cylinder. Some of the sod may have been removed. The licensee reported the intrusion to the local police and posted a guard at the breached areas until the fence was repaired.

X-86-04 03/12-13/86 Callaway
Union Electric Company
Callaway County, MO

At 11 p.m., an unidentified male made an announcement over the internal plant public address system: "Evacuate the containment, evacuate the containment." The operations shift supervisor determined there was no need to evacuate as the plant had been in cold shutdown since February 28, for a refueling outage. At 1:22 a.m. the next day, a call was received in the control room and an unidentified male stated, "I just want to let you know I intend to sabotage this plant." The caller was transferred to the shift supervisor who was told, "The earlier announcement to evacuate containment was only a first. By the time I finish throwing switches in this plant, there will never be another nuclear plant built in the state of Missouri." The licensee immediately implemented increased security measures. No perpetrator was found. Plant status: Operational. Fuel present at site.

X-86-05 03/31/86 GA Incorporated
San Diego, CA

A licensee-employed security officer, with an NRC "L" clearance, was arrested and charged with five counts of sodomy and child molestation. He was held for thirty days for arraignment or until posting of a \$25,000 bail bond. The licensee subsequently terminated the security officer's employment. Fuel present at site.

X-86-06 03/31/86 Dresden
Commonwealth Edison Company
Grundy County, IL

At 7:20 p.m., a grass fire was reported along the banks of the spray canal, outside the protected area. Since there were no fire hydrants in the immediate vicinity, the Coal City Fire Department was called and extinguished the fire at 7:53 p.m. Plant status: Operational. Fuel present at site.

X-86-07 06/25/86 Indian Point
Consolidated Edison Company
Westchester County, NY

At 7 p.m., an operator's keys, including high radiation area keys to the primary auxiliary building, were discovered missing. Security was notified of the missing keys at 9:15 p.m., established compensatory measures, and searched the primary auxiliary building. Operations personnel searched for the keys until 7 a.m., and did not find them. Locks were changed and new keys were issued. Plant status: Operational. Fuel present at site.

X-87-01 01/17/87 Seabrook
Public Service Company of New Hampshire
Rockingham County, NH

Threat. Hoax. At 9:57 p.m., the Seabrook Station security force received a call from the Seabrook Police Department regarding a perceived threat received by a telephone operator in Maine. An anonymous female caller stated, "Seabrook Station, hurry, we are all going to blitz on Sunday." Through New England Telephone channels, this information was relayed to the Seabrook police. Upon notification, the station staff assumed a more vigilant security posture, but implemented no contingency action, since the threat was evaluated to be noncredible. Plant status: Preoperational. Fuel present at site.

X-87-02 01/19-
05/18/87 Vermont Yankee
Vermont Yankee Nuclear Power Company
Windham County, VT

On January 19, 1987, the Governor of Vermont received a signed letter from an individual, not a licensee employee, that expressed the author's fear that three disgruntled employees would probably attempt to sabotage the plant's generator to cause a plant shutdown. On May 18, 1987, another individual sent a letter in support of the allegation to Region I. The FBI conducted an investigation and determined the allegation was a hoax. Plant status: Operational. Fuel present at site.

X-87-03 01/30/87 Zion
Commonwealth Edison Company
Lake County, IL

Threat. Hoax. At 12:15 p.m., the Headquarters duty officer received a telegram addressed to Harold Denton, Director of the NRC's Office of Nuclear Reactor Regulation. The telegram was from an individual who said he was joining petitioners who had sought information about Zion, and that if Mr. Denton did not make the information available by 6 p.m., "this evening...the Zion Nuclear Plant shall be closed. This is a final warning...." The licensee increased security awareness on-site. The Chicago office of the FBI investigated the incident. At 6 p.m., the FBI located the individual and interviewed him. He voluntarily agreed to seek psychiatric treatment at a local hospital. Plant status: Operational. Fuel present at site.

X-87-04 02/12/87 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

A security officer found a single-sheet homemade drawing marked "Safeguards Material" lying on the ground, inside the protected area. The drawing contained detailed security information: (1) Location of protected area perimeter fence; (2) location of closed-circuit cameras; (3) location of perimeter microwave alarm zones (specifying individual cable numbers for each transmitter and each receiver, with reference to the alarm system as the "microwave perimeter defense"); (4) location of security alarm

stations; and (5) location of plant vital areas (marked in most cases with the specific zone numbers for each vital area). Additionally, this document specified the location of personnel assembly points at the site. The licensee notified the local law enforcement agency. Investigation by the licensee determined that the drawing had been made by one of the licensee's engineers. Upon questioning, the engineer admitted making the drawing for a related work activity, but could not explain its unattended on-site location. Plant status: Shutdown. Fuel present at site.

X-87-05 02/13/87 Rancho Seco
Sacramento Municipal Utility District
Sacramento County, CA

Threat. Hoax. At 4:28 p.m., the licensee telephone switchboard operator received a call from a male, with a Middle Eastern accent, who indicated that there was going to be a direct attack on the site internal areas, on the security systems and on the personnel. The male indicated that he was part of a 1400-person strong group in Northern California that was monitoring both Highway 104 (nearby state highway) and the site fence. He indicated that they were determined to restrict operations. The licensee investigated with negative results. Plant status: Shutdown. Fuel present at site.

X-87-06 03/28/87 Sequoyah
Tennessee Valley Authority
Hamilton County, TN

Three of the NRC resident inspectors at Sequoyah received harrasing telephone calls that appeared to be work-related. The calls followed an earlier event of vandalism involving debris thrown on the property of one of the resident inspectors. The licensee conducted an investigation with negative results. Plant status: Operational. Fuel present at site.

X-87-07 05/28/87 Vogtle
Georgia Power Company
Burke County, GA

A security officer reported sighting an individual on the turbine building roof who appeared to be starting a fire with rolled papers and a cigarette lighter. He allegedly fled when challenged. A security alert was declared. A search for the suspect was conducted with negative results. As part of the follow-up investigation, the security officer was given a polygraph test. The results indicated deception. The officer admitted he lied to enhance his job performance. He was denied unescorted access. Plant status: Operational. Fuel present at site.

X-87-08 09/25/86- Limerick
07/15/87 (YOH Security, Inc.)
Montgomery County, PA

On September 25, 1986, two former managers of YOH Security, Inc., (the site manager and the security force captain) and the operator

of a Security Force Training School were indicted on charges of conspiracy, false statements and cover-up in connection with training records for the security force at Limerick. The operator of the training school was utilized by YOH Security, Inc., to provide the necessary certification under the Pennsylvania Lethal Weapons Training Act to permit the security force members to carry weapons. On April 1987, the two former YOH employees were convicted, and the school operator was cleared of all charges. On July 15, 1987, the site manager was sentenced to six months in prison and fined \$30,000; the security force captain, a key government witness in the trials, was placed on probation for five years.

X-87-09 07/22/87 Robinson
Carolina Power and Light Company
Darlington County, SC

At 11:28 a.m., due to improper access procedures, a security officer entered the protected area through the Technical Support Center without being searched or properly badged, leaving a protected area portal unlocked though alarmed. At 11:58 a.m., an unauthorized contract visitor entered the protected area through the unsecured protected area portal. He was detected and later identified by security personnel. Plant status: Operational. Fuel present at site.

X-87-10 08/11/87 Callaway
Union Electric Company
Callaway County, MO

The wife of a former contractor document clerk called the security department to report that her ex-husband had boxes of documents which she believed belonged to the utility at his former residence. The licensee's security department responded and retrieved several boxes of documents and material belonging to the licensee, some of which were marked "Safeguards Information." The licensee was cited for failure to exercise control. Plant status: Operational. Fuel present at site.

X-87-11 09/05/87 Pilgrim
Boston Edison Company
Plymouth County, MA

During the late evening hours, security force members on duty at the main gate observed four individuals in the woods, along the protected area fence line adjacent to the gatehouse. The individuals, darkly dressed and carrying binoculars and a camera, were apprehended and placed under arrest by the licensee for trespassing in the owner-controlled area. The Plymouth Police Department was notified and subsequently took custody of the individuals who were residents of a nearby community. The individuals claimed they wanted to test the system after reading articles in the paper concerning safeguards at the site. Inspection of the security fence and searches of the surrounding area by the licensee did not

identify any damage. The licensee stated that no intrusion detection alarms were activated during the incident. Plant status: Operational. Fuel present at site.

X-87-12 10/24/87 Kewaunee
Wisconsin Public Service Company
Kewaunee County, WI

A male security officer was charged with the murder of a female security officer who was found stabbed to death in the home of another female guard. The male guard was placed in policy custody in a Green Bay Wisconsin hospital, suffering from self-inflicted wounds. His site access authorization was suspended. Plant status: Operational. Fuel present at site.

X-87-13 11/27/87 Indian Point
Consolidated Edison Company
Westchester, NY

Contaminated trash was inadvertently mixed with clean construction material trash in a 30 cubic yard dumpster and shipped off-site to a local trash burning electrical plant. The dumpster was returned to the licensee. A routine survey determined that three pieces of wood (12 inches X 12 inches X 3 feet) with localized readings as high as 19 mrem/hr were in the trash. The localized contact readings were 0.2 mrem/hr on the side of the dumpster and 0.7 mrem/hr on the bottom. Plant status: Operational. Fuel present at site.

X-87-14 12/05/87 Browns Ferry
Tennessee Valley Authority
Limestone County, TN

At 3:15 p.m., the Unit 1 control operator received an off-site telephone call from a male who stated: "If you open up that dry-well, you will have a bigger fire this time than you had before." (See VI-87-01) When asked who he was, the caller said only that "I work there" and hung up. The licensee searched all three dry-wells with negative results. All personnel are logged in and out of the drywells. Plant status: Shutdown. Fuel present at site.

X-87-15 12/09/87 San Onofre
Southern California Edison Company
San Diego County, CA

A licensee investigation of employees either playing cards while on duty in the central alarm station or having knowledge of it resulted in the following disciplinary action: One alarm station shift supervisor and two security office field supervisors had their employment terminated; four security officers received 30-day suspensions; five security officers received 10-day suspensions; four security officers received written reprimands; and three security officers received oral reprimands. Plant status: Operational. Fuel present at site.

X-88-01 01/08/88 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo, CA

The licensee learned that a member of the contract security force (unarmed watchperson) had been arrested and charged with child molestation. The individual's unescorted access was suspended. He was subsequently convicted and sentenced to five years in prison. Plant status: Operational. Fuel present at site.

X-88-02 01/25/88 Oconee
Duke Power Company
Oconee County, SC

A fingerprint check revealed a significant criminal record for a construction and maintenance department vendor. The individual's badge, already on "Administrative Hold," was restricted from use. Plant status: Operational. Fuel present at site.

X-88-03 02/05/88 Byron
Commonwealth Edison Company
Ogle County, IL

Master engineering diagrams containing safeguards information were lost. An investigation was conducted and verified that the drawings contained no information that could impact safeguards. Procedures covering the handling of safeguards information were read by all necessary construction personnel and documented. Plant status: Operational. Fuel present at site.

X-88-04 02/23/88 Beaver Valley
Duquesne Light Company
Beaver County, PA

Haddam Neck
Connecticut Yankee Atomic Power
Middlesex County, CT

Hatch
Georgia Power Company
Appling County, GA

San Onofre
Southern California Edison Company
San Diego County, CA

Wolf Creek
Kansas Gas and Electric Company
Coffey County, KS

Hoax. City officials received threat letters which stated that in November 1988, an unnamed individual/group would "severely damage and render inoperable due to radioactivity and excessive

cost for repair", Beaver Valley, Haddam Neck, Hatch, San Onofre 2, and Wolf Creek nuclear power plants. Plant status: Beaver Valley: Unit 1, Shutdown; Unit 2, Operational. Haddam Neck: Shutdown. Hatch: Unit 1, Operational; Unit 2, Shutdown. San Onofre: Unit 1, Shutdown; Units 2 and 3, Operational. Wolf Creek: Operational. Fuel present at sites.

X-88-05 03/01/88 Harris
Carolina Power and Light Company
Wake County, NC

At 8:35 p.m., a Ford Escort Station Wagon approached the vehicle trap with a flashing red light displayed on the dash of the vehicle. Armed officers were dispatched to investigate. The two teenager occupants of the automobile said they just wanted to see if they could get in. The local law enforcement officials were notified, and the individuals were escorted off-site. Plant status: Operational. Fuel present at site.

X-88-06 03/03/88 Braidwood
Commonwealth Edison Company
Will County, IL

A safeguards document was discovered missing from the central files. The document was not considered significant in terms of aiding an adversary. A search was conducted, but the document was not found. Sign out procedures were strengthened to prevent recurrence. Plant status: Operational. Fuel present at site.

X-88-07 03/16/88 South Texas
Houston Lighting and Power Company
Matagorda County, TX

At 11:30 p.m. the licensee's corporate office received a call from an individual who stated that two power poles in Greenspoint near Houston had been cut down and "the next target to be hit will be the Bay City Power Plant in two hours, please turn the lights back on." Two poles were found cut down near Greenspoint, Texas, several counties north of the South Texas Project site. The FBI and local law enforcement agencies were notified. Contingency plans were implemented. Site security conducted a search of the site for destructive devices with negative results. Plant status: Operational. Fuel present at site.

X-88-08 03/19/88 Beaver Valley
Duquesne Light Company
Beaver County, PA

A beeping electronic device was found taped to a chair in an on-site construction building. Local police and bomb squad units were consulted, and a search was conducted for other devices with negative results. An FBI agent came to the site to aid in the investigation which led to the identification of the individual

who confessed to placing the device (a "key finder") as a practical joke. The person's site access was terminated. Plant status: Operational. Fuel present at site.

X-88-09 03/21/88 Harris
Carolina Power and Light Company
Wake County, NC

While making security checks, an armed officer found a 2" x 2" piece of paper with "MORE TO COME MY WAY OF SAYING GOOD BYE" written on it. A search was conducted with negative results. An access report was accomplished to determine who had entered the area. An investigation identified neither suspects nor determination of authorship. Plant status: Operational. Fuel present at site.

X-88-10 03/22/88 Palisades
Consumers Power Company
Van Buren County, MI

A contractor escorted visitor jokingly declared a bomb and a pound of cocaine prior to vehicle entry search. The contractor employee and the vehicle were not allowed to enter the protected area. The contractor employee was barred from the protected area. Plant status: Operational. Fuel present at site.

X-88-11 04/04/88 South Texas
Houston Lighting and Power Company
Metagorda County, TX

Procedures containing safeguards information were reported missing. A search was conducted for the missing documents with negative results. The licensee took corrective action to preclude the use of any compromised material. Plant status: Operational. Fuel present at site.

X-88-12 04/22/88 Davis Besse
Toledo Edison Company
Ottawa County, OH

Fission detectors containing 7.65 grams each of uranium-235 were discovered to have been stored off-site in a locked licensee warehouse without access control protection since mid-January. They were inventoried and accounted for, brought back into the protected area, and properly secured. A contamination check showed no surface contamination, .05 millirem per hour on contact, and no neutron radiation. Plant status: Shutdown. Fuel present at site.

X-88-13 05/11/88 Zion
Commonwealth Edison Company
Lake County, IL

Hoax. At 3:25 p.m., a male called the station's security department, identified himself and provided a Chicago address (which proved to be false), and said that a relative of his who worked for a Federal intelligence agency told him that between 12 and 20 individuals from a named Middle Eastern country were traveling with false passports to the United States in order to take over an unspecified nuclear power plant in a major metropolitan area. It was determined that there was no known threat of the nature described. Plant status: Operational. Fuel present at site.

X-88-14 05/24/88 Babcock & Wilcox
Naval Nuclear Fuel Division
Lynchburg, VA

At 8:30 p.m., a vehicle with emergency flashers on approached the site at a high rate of speed and stopped near a power substation located approximately 250 yards outside the protected area. An individual emerged from the car and placed an object, which proved to be a VCR case, near the fence. When responding officers arrived at the scene and asked the individual what was going on, she answered, "I think you know very well what's going on." Plant security were unable to stop her as she drove the vehicle away. At 10:30 p.m., the Campbell County sheriff located the driver, a white female, age 26, with a previous history of psychological problems, who admitted that she left the device with the intention that authorities would think it was a bomb. She was taken to a local hospital and held under a temporary detention order pending further psychological evaluation.

X-88-15 06/04/88 Babcock & Wilcox
Naval Nuclear Fuel Division
Lynchburg, VA

At 3:45, 4:12, and 4:50 a.m., suspicious telephone calls were received on the main operator line. They were determined to be of no threat to the facility.

X-88-16 06/09/88 Watts Barr
Tennessee Valley Authority
Rhea County, TN

At 12:15 p.m., a bomb dog in the Power Operations Training Center, 1/4 mile from the plant, alerted at a desk and brief case which belonged to a chemist. The individual stated that he had used the briefcase to carry chemicals. The investigation concluded that the chemicals residue had apparently caused the dog to react. Plant status: Preoperational. Fuel not present at site. Fuel present at site.

X-88-17 06/17/88 Limerick
Philadelphia Electric Company
Montgomery County, PA

During entry search, fireworks were discovered in an employees possession. The individual explained he had forgotten that he put the fireworks in his bag after a party, and there was no malicious intent. Subsequently, the person's employment was terminated for absenteeism. Plant status: Operational. Fuel present at site.

X-88-18 06/19/88 Peach Bottom
Philadelphia Electric Company
York County, PA

Six apparently unopened beer bottles, found in a contractor break area within the protected area, were opened and the contents tasted and determined to be iced tea. An investigation revealed that a contractor employee had brought the iced tea to work in beer bottles in a small cooler. The employee was interviewed by security management personnel and allowed to return to the protected area. Plant status: Shutdown. Fuel present at site.

X-88-19 06/19/88 Peach Bottom
Philadelphia Electric Company
York County, PA

Security found suspicious wires on a door. The area was blocked off and radio transmissions halted in the area. An investigation determined that no threat existed. Plant status: Shutdown. Fuel present at site.

X-88-20 06/24/88 St. Lucie
Florida Light and Power Company
St. Lucie County, FL

An employee's badge was pulled because the licensee learned that he had given a false name for employment. Plant status: Operational. Fuel present at site.

X-88-21 07/14/88 St. Lucie
Florida Power and Light Company
St. Lucie County, FL

Based on a criminal history allegation, site access was permanently revoked for two contractor employees. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

X-88-22 07/18/88 North Anna
 Virginia Power Company
 Louisa County, VA

A spray canister of tear gas was seized during a visitor's entry search and retained by security. Plant status: Operational. Fuel present at site.

X-88-23 07/24/88 Limerick
 Philadelphia Electric Company
 Montgomery County, PA

At 11.57 a.m., a telephone treat was received by the Pennsylvania State Police, Lancaster Barracks, over the Emergency 911 number from a caller who stated, "The Philadelphia Electric Plant has one hour to close or we will close it down. This is not an idle threat, you have until 1 p.m." The caller further stated, "Just sit there and listen, we will execute this. Check the first chapter of Proverbs." The police contacted Peach Bottom who, in turn, contacted Limerick. The police made a tape recording of the threat call and made it available to the licensee. Threat procedures were implemented at both facilities. The call was traced to a pay telephone outside of a pizzeria in Quarryville, Pennsylvania. The police interviewed an employee of the pizzeria and neighbors in the area with negative results. Plant status: Operational. Fuel present at site.

X-88-24 07/24/88 Peach Bottom
 Philadelphia Electric Company
 York County, PA

At 11:57 a.m., the licensee implemented contingency plans upon the receipt of an unsubstantiated extortion threat message for the Philadelphia Electric Company to shut down. The threat was not specific to Peach Bottom. Plant status: Shutdown. Fuel present at site.

X-88-25 07/25/88 Babcock & Wilcox
 Naval Nuclear Fuel Division
 Lynchburg, VA

At 7:01 p.m., a suspicious telephone call was received in the central alarm station. It was determined to be a prank call, and no threat to the facility. Other area facilities received the same type of calls.

X-88-26 08/02/88 St. Lucie
 Florida Power and Light Company
 St. Lucie County, FL

The licensee learned that an employee was arrested on felony charges. The person was escorted off-site, and his employment

was terminated. Plant status: Unit 1, Shutdown; Unit 2, Operational. Fuel present at site.

X-88-27 08/05/88 Haddam Neck
Connecticut Yankee Atomic Power Company
Middlesex County, CT

Millstone
Northeast Nuclear Energy
New London County, CT

Oyster Creek
GPU Nuclear Corporation
Ocean County, NJ

TMI
GPU Nuclear Corporation
Dauphin County, PA

Several Nuclear Support Services, Inc. (NSS) personnel at the above facilities were allowed to take their psychological screening tests for unescorted site access without supervision. Their unescorted access was revoked, and they were retested under supervised conditions. Plant status: Haddam Neck, Millstone, Operational; Oyster Creek, TMI, Shutdown. Fuel present at sites.

X-88-28 08/09/88 North Anna
Virginia Power Company
Louisa County, VA

A key chain with mace was seized during a visitor's entry search and retained by security. Plant status: Operational. Fuel present at site.

X-88-29 09/01/88 St. Lucie
Florida Light and Power Company
St. Lucie County, FL

A contractor employee's site access was revoked because of a criminal history issue (fingerprint check results). Plant status: Operational. Fuel present at site.

X-88-30 09/03/88 Diablo Canyon
Pacific Gas and Electric Company
San Luis Obispo County, CA

A nonspecific threat was determined not to be credible. Plant status: Operational. Fuel present at site.

X-88-31 09/21/88 Oconee
Duke Power Company
Oconee County, SC

It was determined that five Duke Power Company construction maintenance employees whose unescorted access to Duke nuclear facilities had been revoked in October and November of 1987 and March of 1988, due to unfavorable judgements relating to their criminal history checks, still retained active access authorization and security badges at Oconee. The five badges were pulled. An investigation indicated that the individuals had not accessed the facility subsequent to the utility's unescorted access revocation. Plant status: Units 1 and 2, Operational; Unit 3, Shut-down. Fuel present at site.

X-88-32 09/23/88 Surry
Virginia Power and Electric Company
Surry County, VA

A contractor employee was denied site access because a mace container was found on the person during entry access search. The individual was advised of the licensee's policy, and the employer was notified. Plant status: Operational. Fuel present at site.

X-88-33 09/29/88 Surry
Virginia Power and Electric Company
Surry County, VA

A mace container found on a licensee employee during entry access search was confiscated. The employee was advised of the licensee's policy, and the person's supervisor was notified. Plant status: Operational. Fuel present at site.

X-88-34 09/30/88 Braidwood
Commonwealth Edison Company
Will County, IL

A letter indicating a potential threat was found in the work planning area. Corporate security was notified. The threat was not considered credible by the station management. Plant status: Operational. Fuel present at site.

X-88-35 10/07/88 River Bend
Gulf States Utilities
West Feliciana Parish, LA

During a safeguards material audit, four safeguards documents, including a portion of the contingency plan, could not be accounted for. The licensee upgraded "security awareness" at the facility. The licensee determined that the information contained in the documents could not significantly assist an individual in an act of sabotage or theft of special nuclear material and the

information could be downgraded. Plant status: Shutdown. Fuel present at site.

X-88-36

10/27/88

Vogtle
Georgia Power Company
Burke County, GA

The licensee reported missing safeguards information could not be located. An investigation was initiated with negative results. The lost information was not deemed to have any safeguards impact. Appropriate notifications were made. Plant status: Shutdown. Fuel present at site.

X-88-37

12/05/88

Vogtle
Georgia Power Company
Burke County, GA

The licensee reported a missing safeguards document. A search was conducted with negative results. The missing document was not deemed to have any safeguards impact. Appropriate notifications were made. Plant status: Operational. Fuel present at site.

X-88-38

12/06/88

River Bend
Gulf States Utilities
West Feliciana Parish, LA

The licensee was informed that an employee was arrested for eight counts of felony theft for allegedly receiving unemployment compensation after gaining employment. The licensee was suspended from duty and access removed. Plant status: Operational. Fuel present at site.



APPENDIX A - STATISTICS

This appendix contains a series of graphs developed from events reported during a thirteen year period (1976 through 1988).

Figure 1 reflects the numerical distribution by year of the approximately 2200 events reported. After a roughly 100% increase in event reporting between 1978 and 1979 (change in reporting requirements), totals reported by year remained relatively stable until 1986 which experienced a 44% increase over 1985. This trend continued in 1987 with an increase of 70% over 1986, and in 1988, events reported increased by 147% over 1987. This marked increase in event reporting has occurred primarily in the drug/alcohol related events. The increase reflects not only the increased reporting because of the "Fitness for Duty" emphasis in the industry, but also the increasing use of drugs in our society. In addition, it is surmised that development and implementation of the revised reporting requirements during this period also contributed to the increase in safeguards events. It is noted that Figures 4 and 6 distinguish between reactor and non-reactor events.

Figure 2 shows trends in non-bomb related safeguards events. Again, the marked increase of 167% in 1988 over 1987 is largely attributable to the increase in drug/alcohol events as discussed above.

Fig 3 shows the distribution of the 2,233 events across the five NRC regions.* The higher frequency of events in Regions I, II, and III is directly related to the higher number of licensed facilities in these three regions, as compared to Regions IV and V.

Figure 4 shows the number of safeguards events that have occurred at reactors. Of the 166% rise (240 events in 1987 compared to 639 in 1988), 90% or 359 of the increased events reported are drug- and alcohol-related.

Figure 5 shows the frequency of reactor safeguards events, excluding bomb threats. In addition to being sensitive to the increase in the number of facilities, there has been an increase of 193% from 1987 (206) to 1988 (604), and again primarily due to the increase in reported drug- and alcohol-related events. Of the 398 increase in events reported, 359 or 90% are drug- and alcohol-related events.

*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, NE, ND, NM, OK, SD, TX, UT, WY; 5 - AK, AZ, CA, HI, NV, OR, WA.

Figure 6 shows event activity for non-reactor facilities which has increased by 30 or 59% (51 events in 1987 compared to 81 in 1988). Most of the increase in events reported are at materials licensees, who are exempt from safeguards requirements. These events were included because of public interest in this area.

Figure 7 displays 1988 events by categories. There has been a significant change in percentage of distribution of events from 1986 in several categories: Bomb Threats (12% in 1987 vs. 5% in 1988); Missing and Stolen (14% in 1987 vs. 9% in 1988); Tampering and Vandalism (4% in 1987 vs. 1% in 1988); Firearms (10% in 1987 vs. 8% in 1988); and Drugs- and Alcohol-related (52% in 1987 vs. 70% in 1988). Again the large increase in drug/alcohol matters caused as relative percentage decrease in the other categories.

Figure 8 shows the number of bomb threat incidents over the 13-year period. Bomb threats, which had been declining steadily since peaking in 1979, but which increased in 1986 to 43, had a slight increase of 2, or 6% (35 events in 1987 vs. 37 in 1988).

Figure 9 plots the number of reactor intrusion events. With the exception of 1980, there have been relatively few intrusion events. There were no intrusion events in 1983, 1986, 1987, and 1988.

Figure 10 shows the number of events involving tampering and vandalism. This class of events remains relatively stable. Although there has been an increase in the number of regulated facilities, there has been a decrease of 33% in the number of events reported (12 in 1987 vs. 8 in 1988).

Figure 11 shows the number of firearms events that have occurred at all facilities. Many of these events involve the accidental discharge of weapons; none of which has resulted in serious consequences. There has been an increase of 100% in events reported in 1988 (56) compared to 1987 (28). The increase from 1987 may be attributed in a large degree to diligence on the part of the licensees to successfully detect attempted introduction of firearms.

Figure 12 shows the number of reported reactor drug- and alcohol-related events. The 246% increased activity in this class (146 in 1987 vs. 505 in 1988), as stated in Figure 1 above, is believed to be related to the Commission and industry initiatives to achieve a drug-free workforce and also reflects the increasing use of drugs in our society.

SAFEGUARDS EVENTS (2233)

1976 - 1988

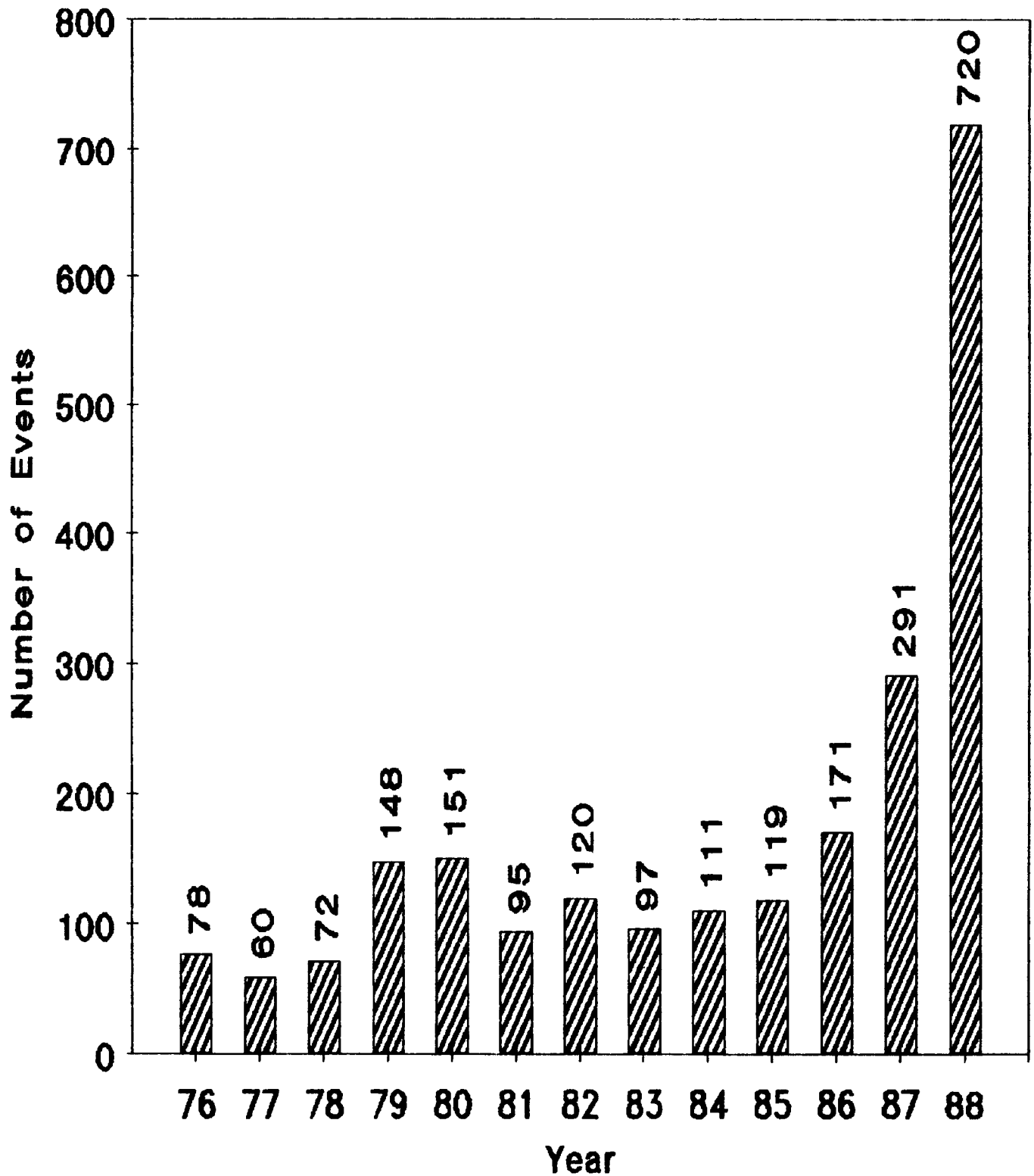


Figure 1

SG EVENTS (1643) EXCLUDING BOMB HOAXES

1976 - 1988

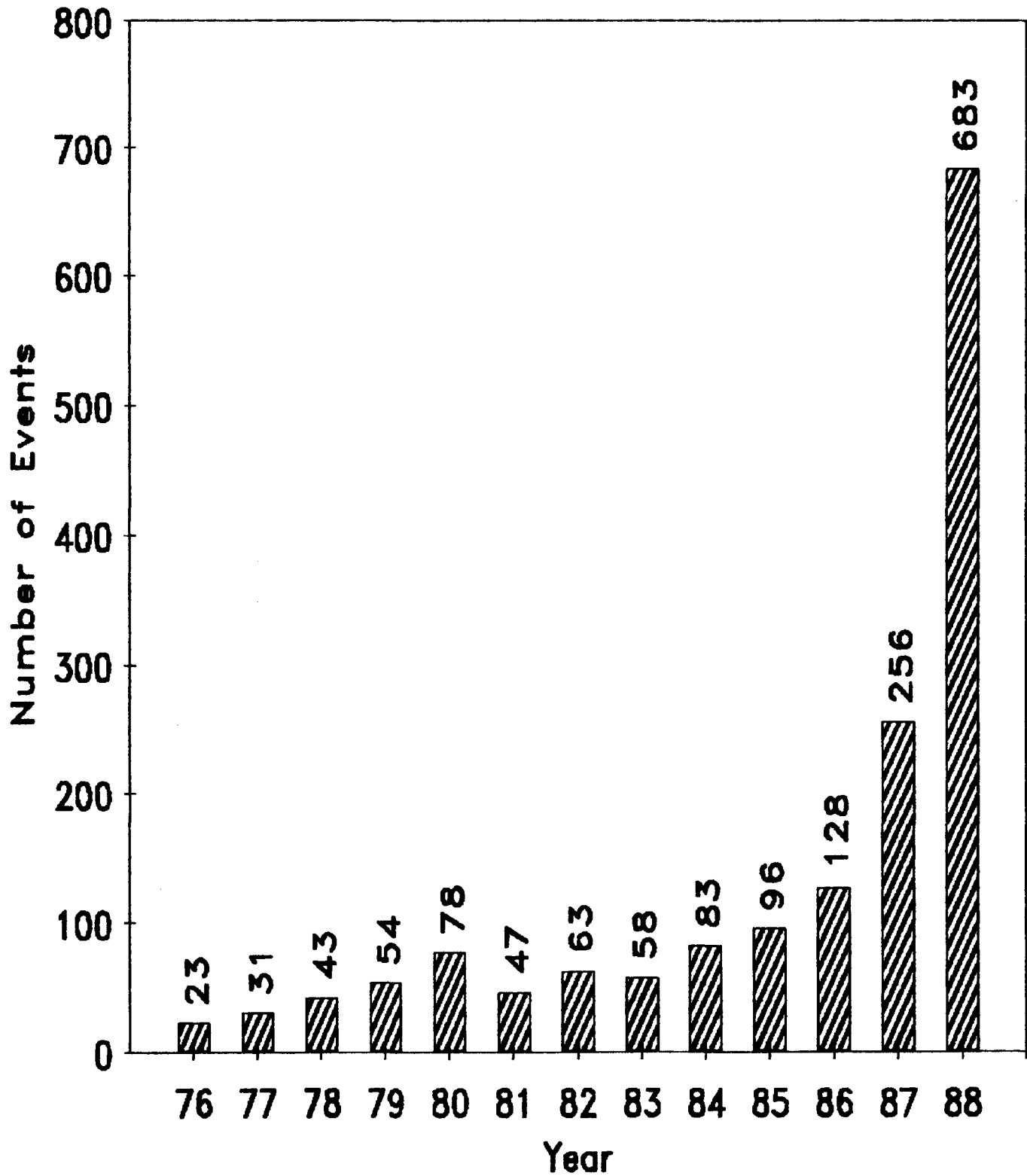


Figure 2

SAFEGUARDS EVENTS BY REGIONS

1976 - 1988

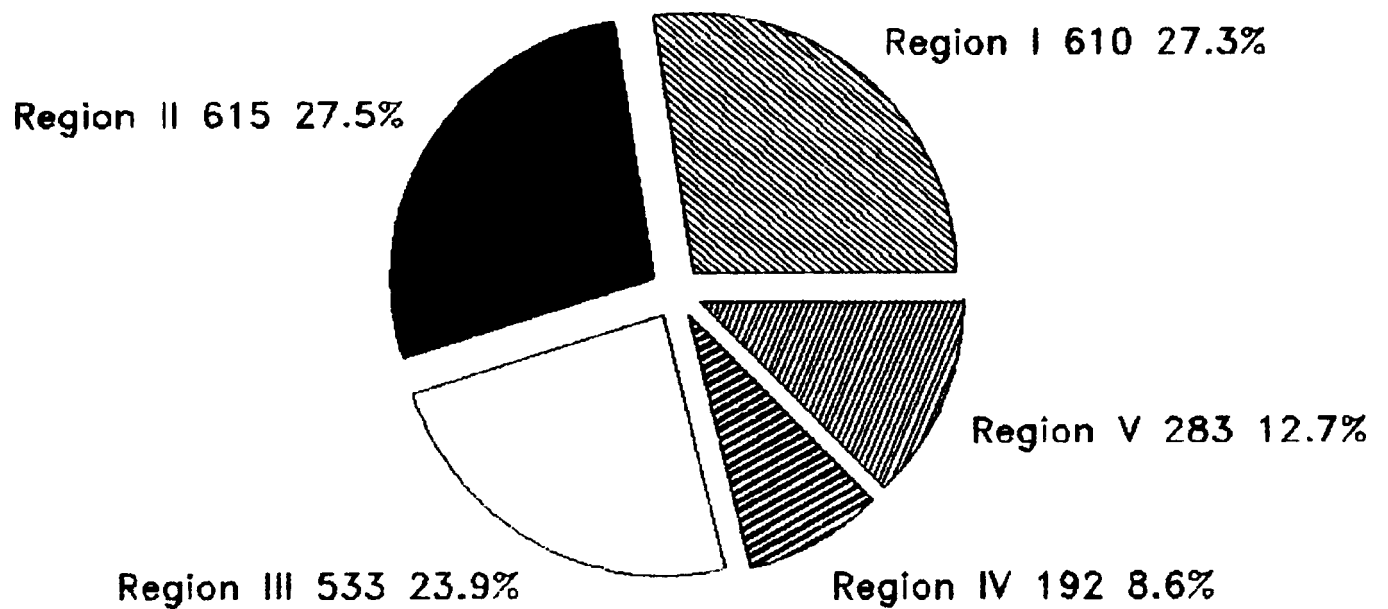


Figure 3

REACTOR SAFEGUARDS EVENTS (1787)

1976 - 1988

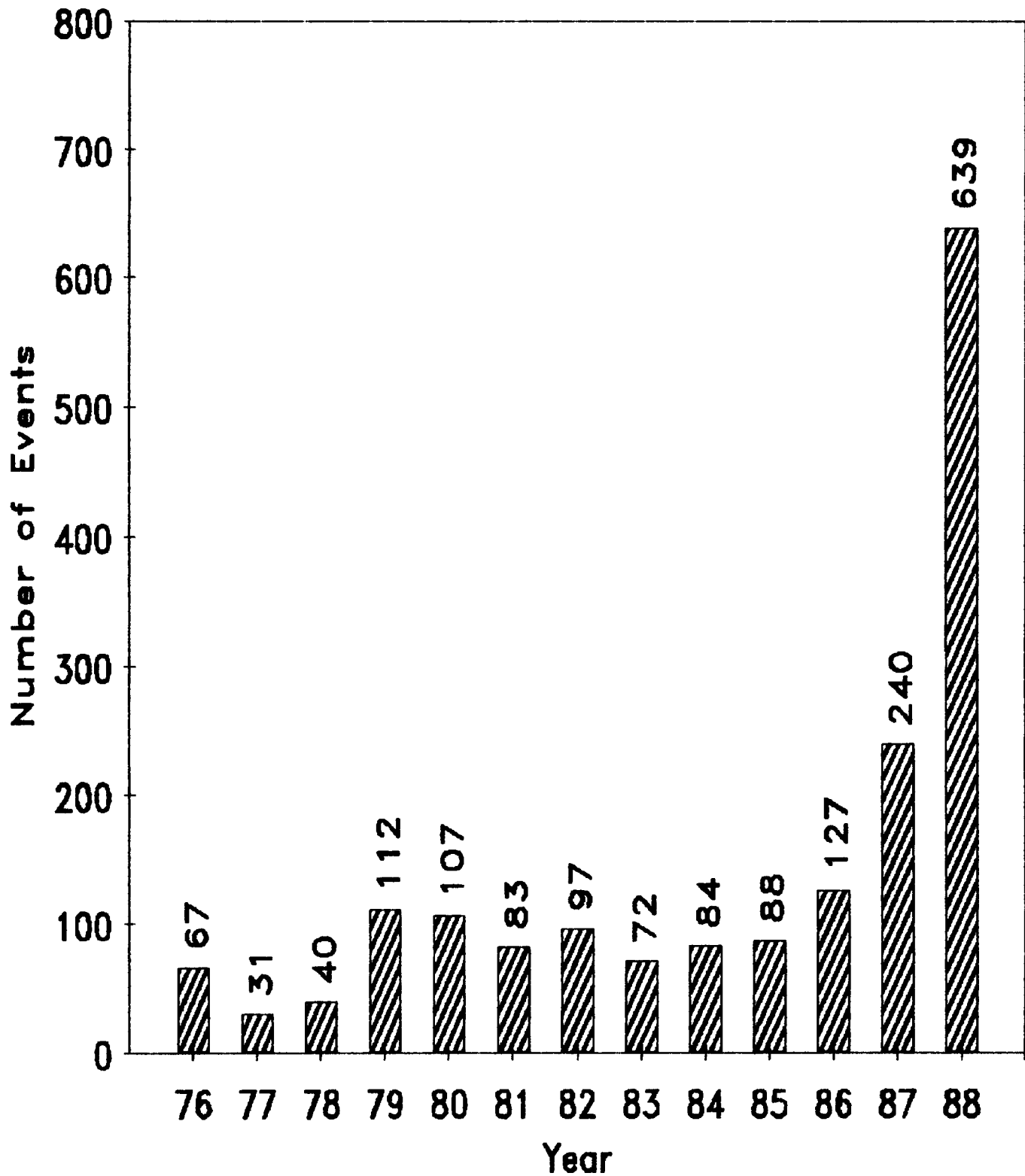


Figure 4

REACTOR SG EVENTS (1221) EXCLUDING BOMB HOAXES

1976 - 1988

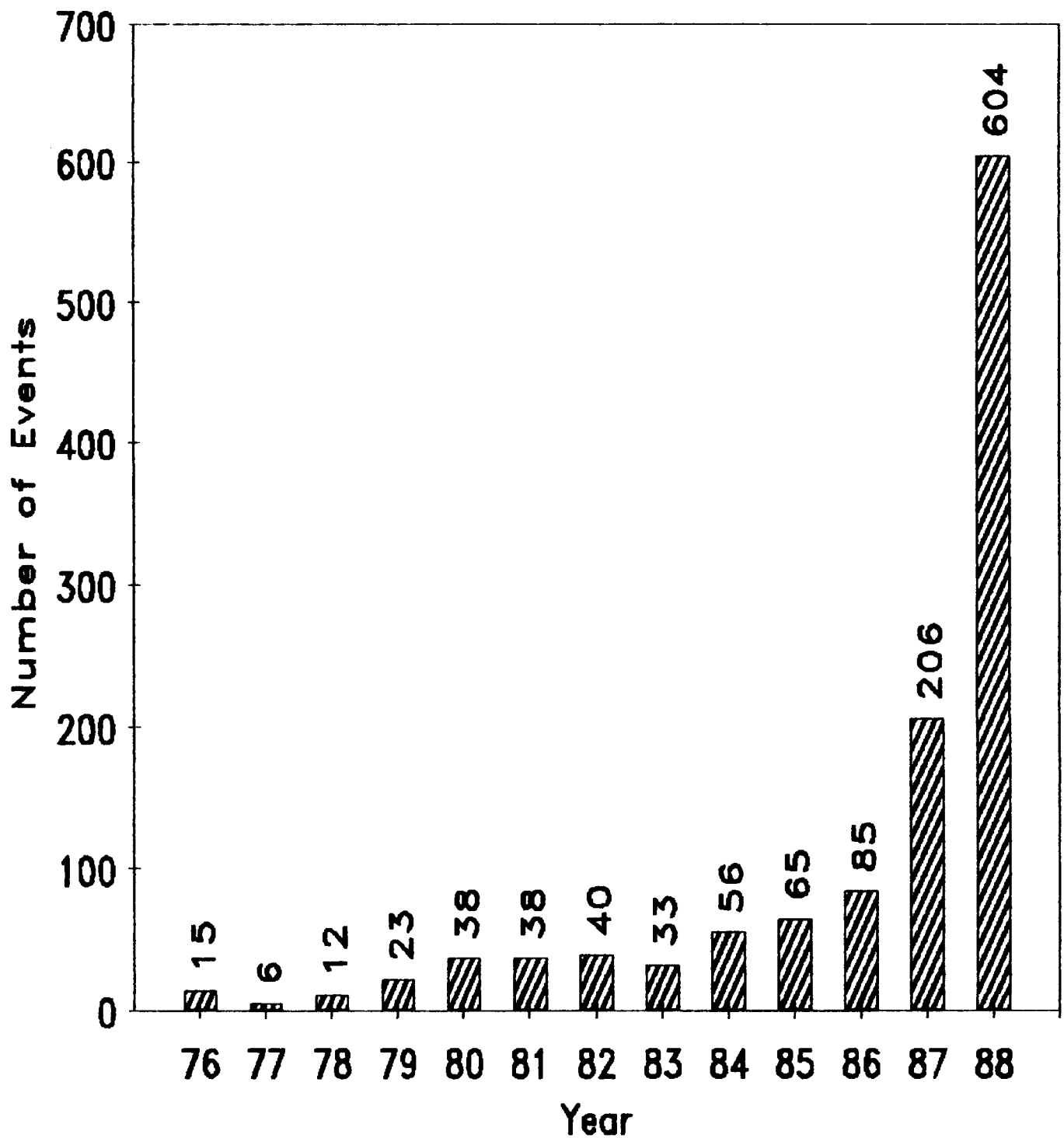


Figure 5

NON-REACTOR SAFEGUARDS EVENTS (446)

1976 - 1988

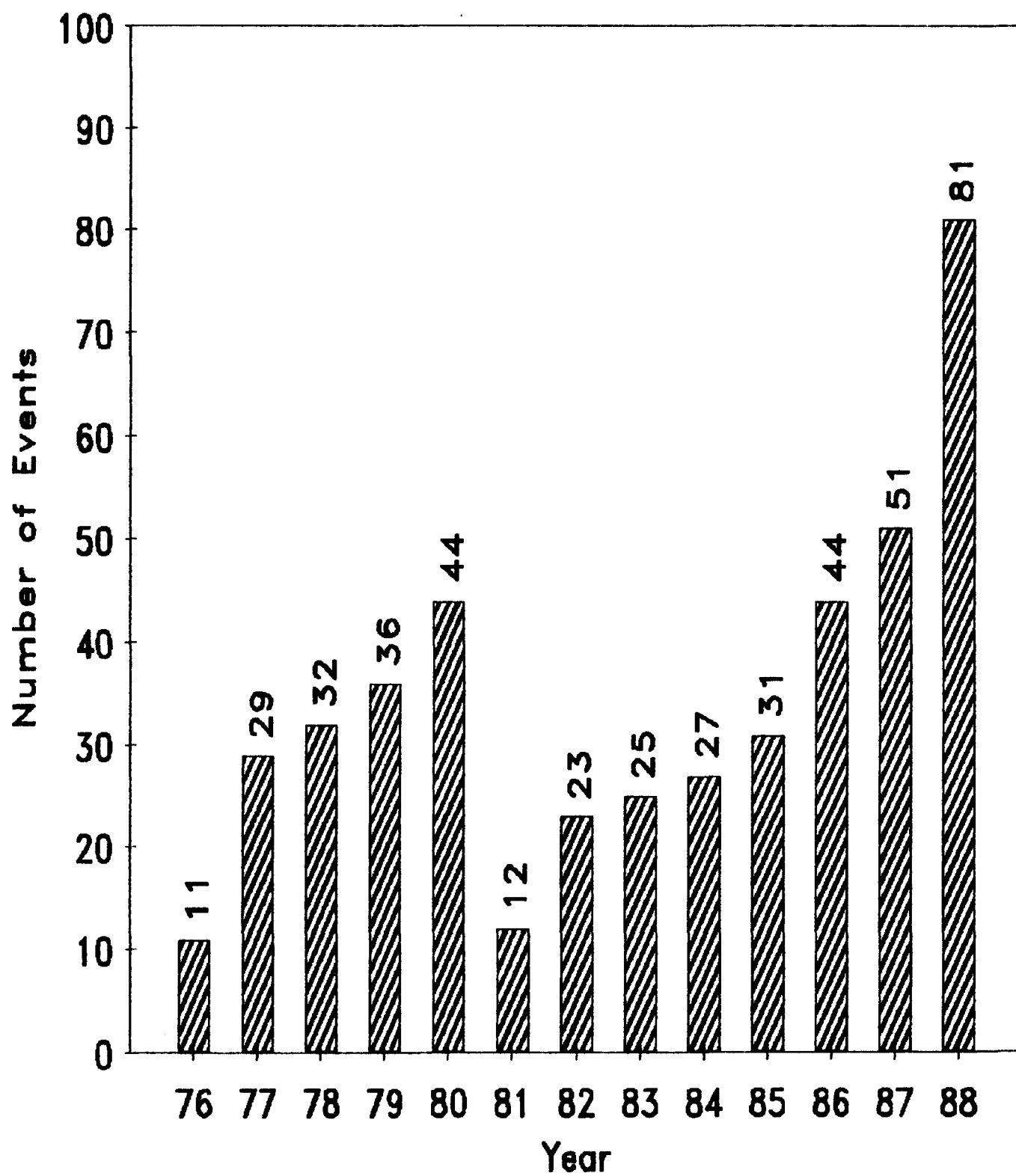


Figure 6

SAFEGUARDS EVENTS (720) BY CATEGORY 1988

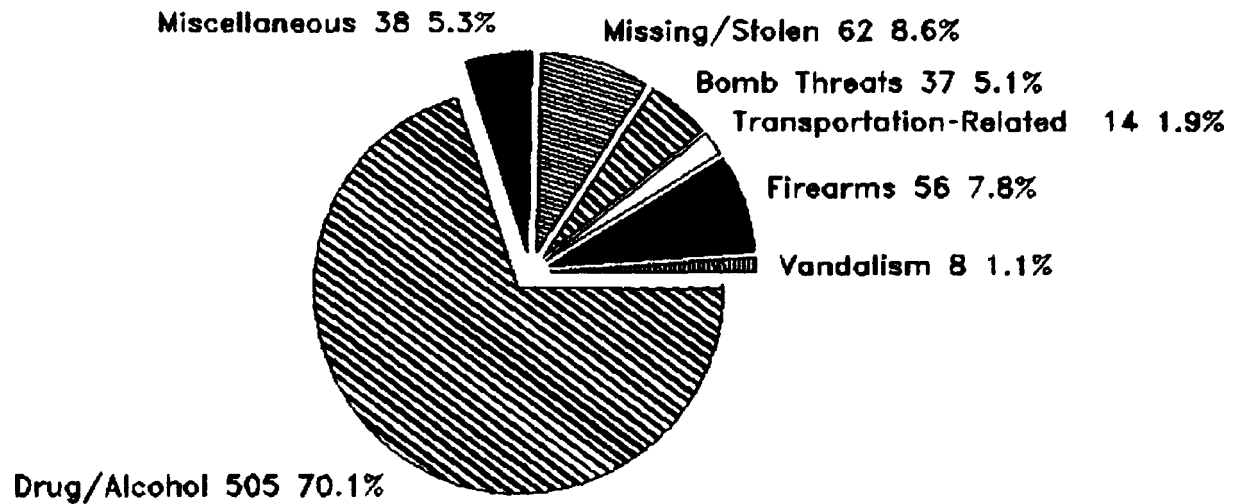


Figure 7

BOMB THREAT EVENTS (590)

1976 - 1988

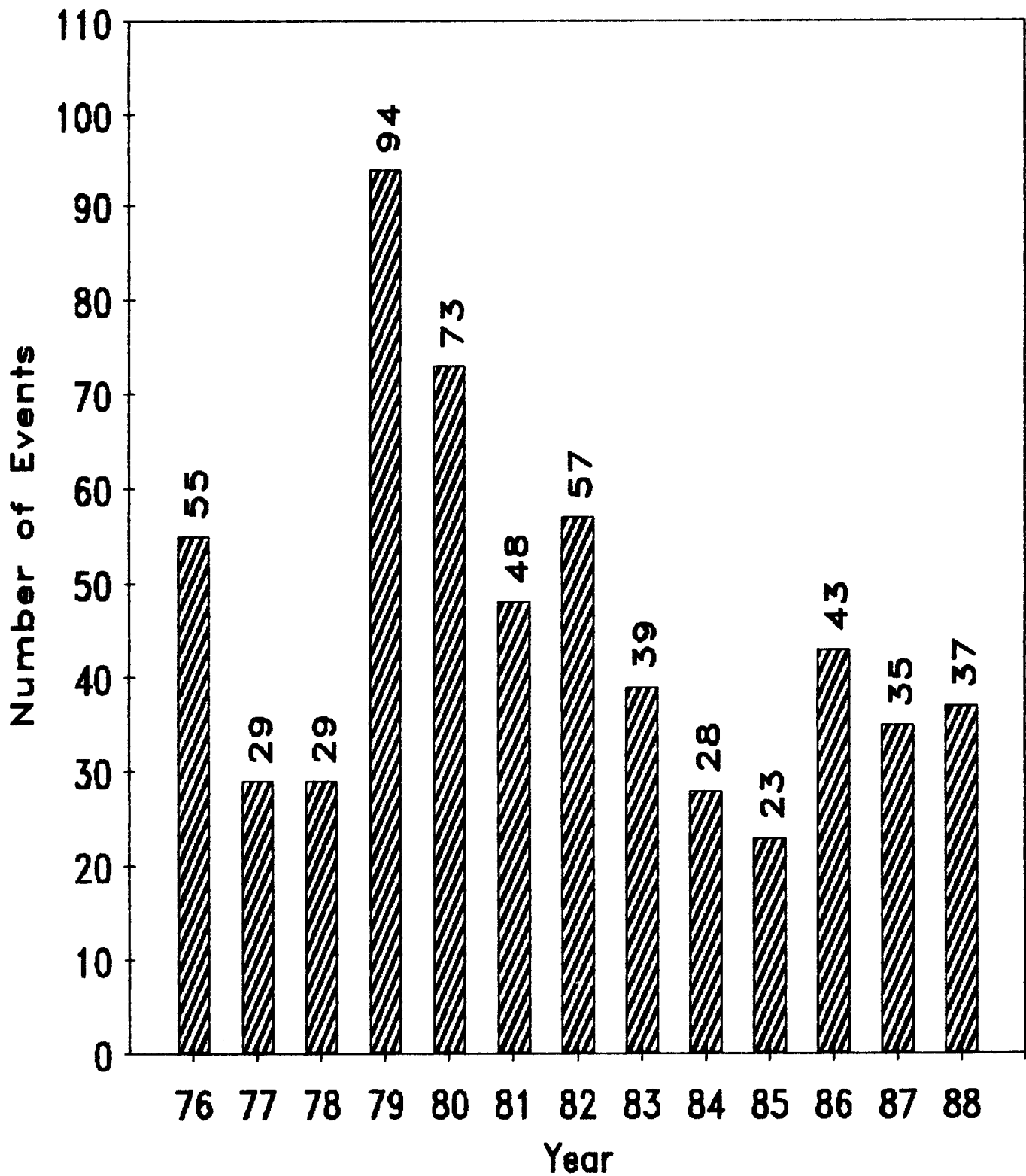


Figure 8

REACTOR INTRUSION EVENTS (42)

1976 - 1988

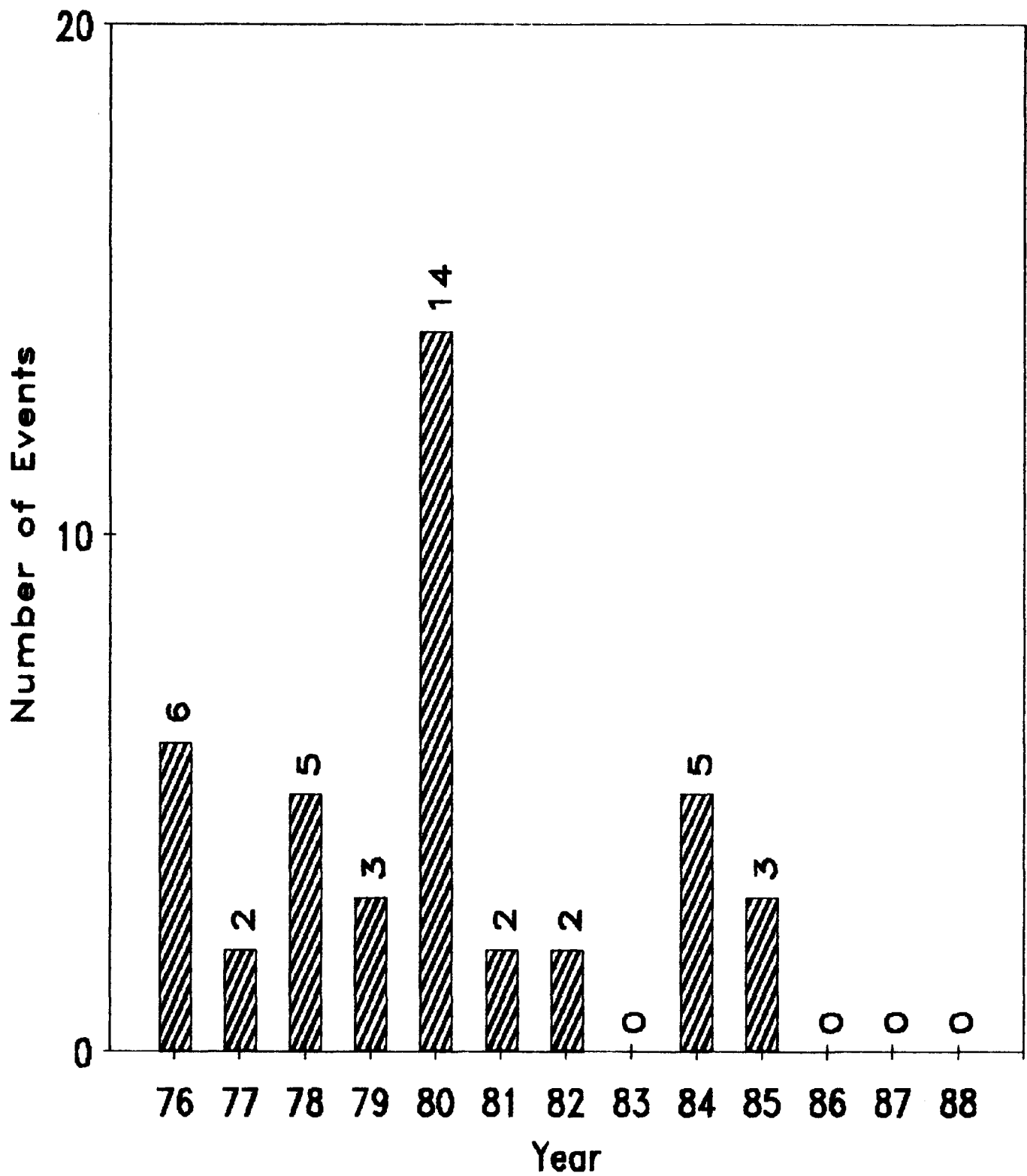


Figure 9

TAMPERING/VANDALISM EVENTS (103)

1976 - 1988

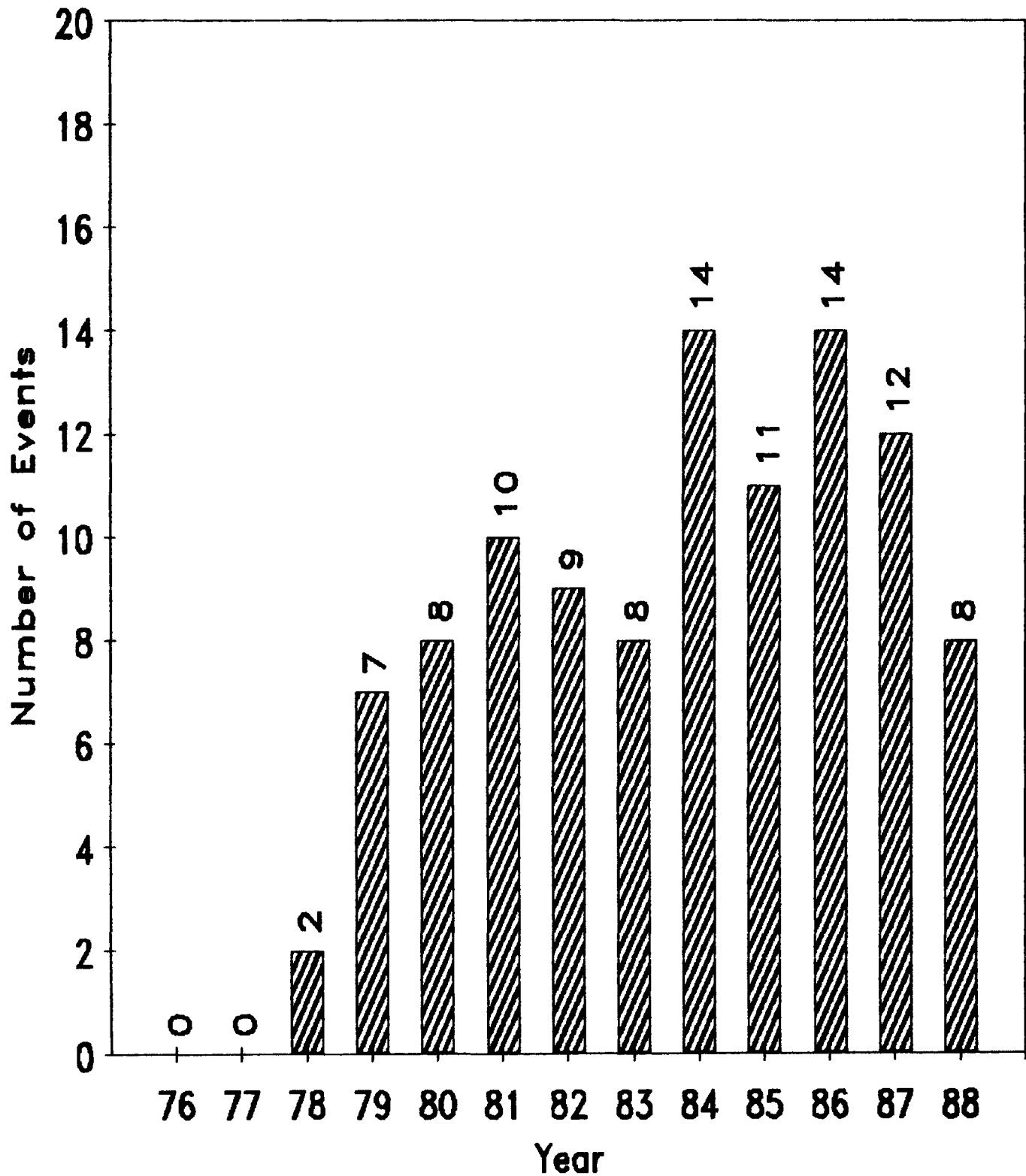


Figure 10

FIREARMS EVENTS (169)

1976 - 1988

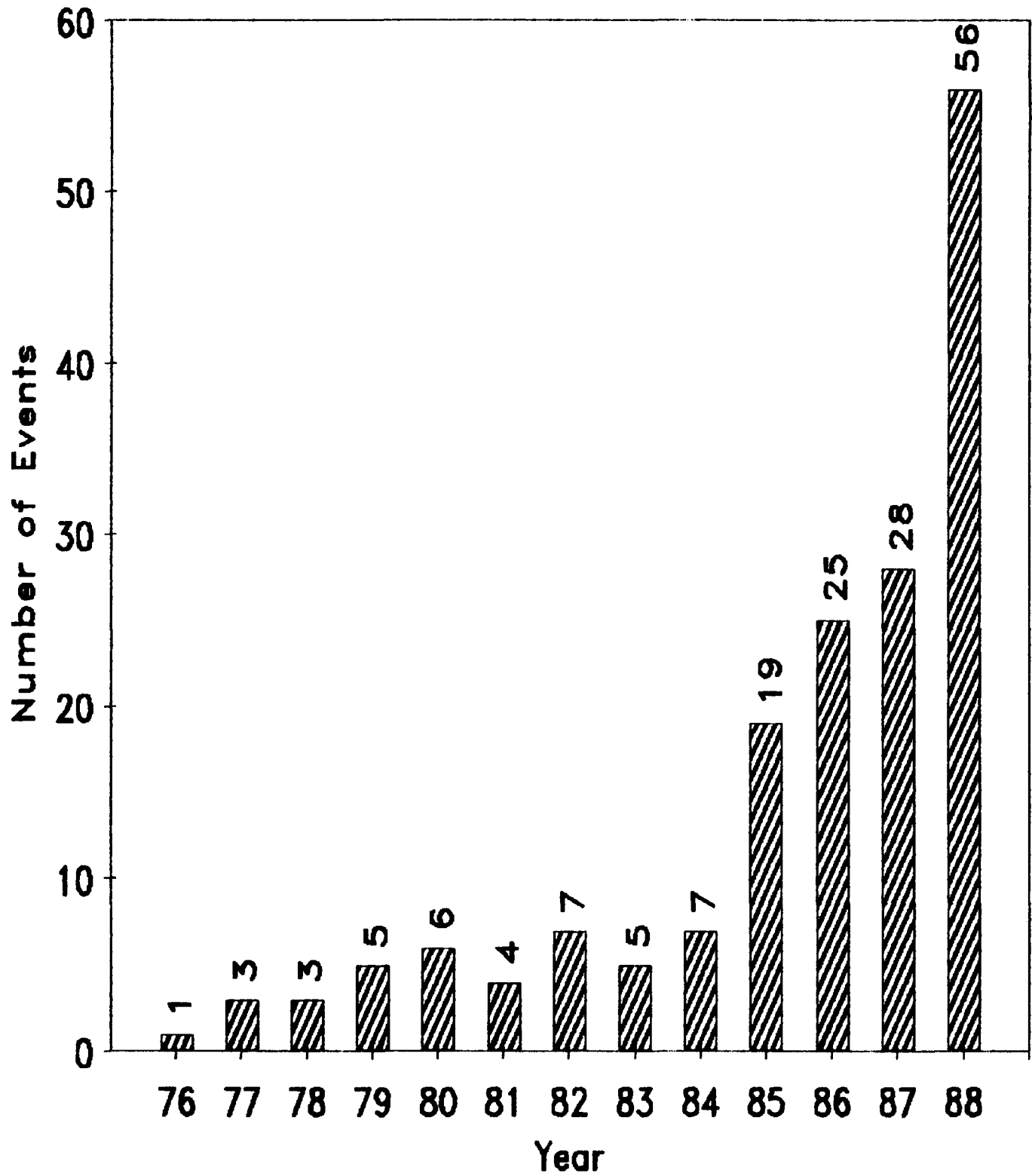


Figure 11

REACTOR DRUG/ALCOHOL EVENTS (802)

1976 - 1988

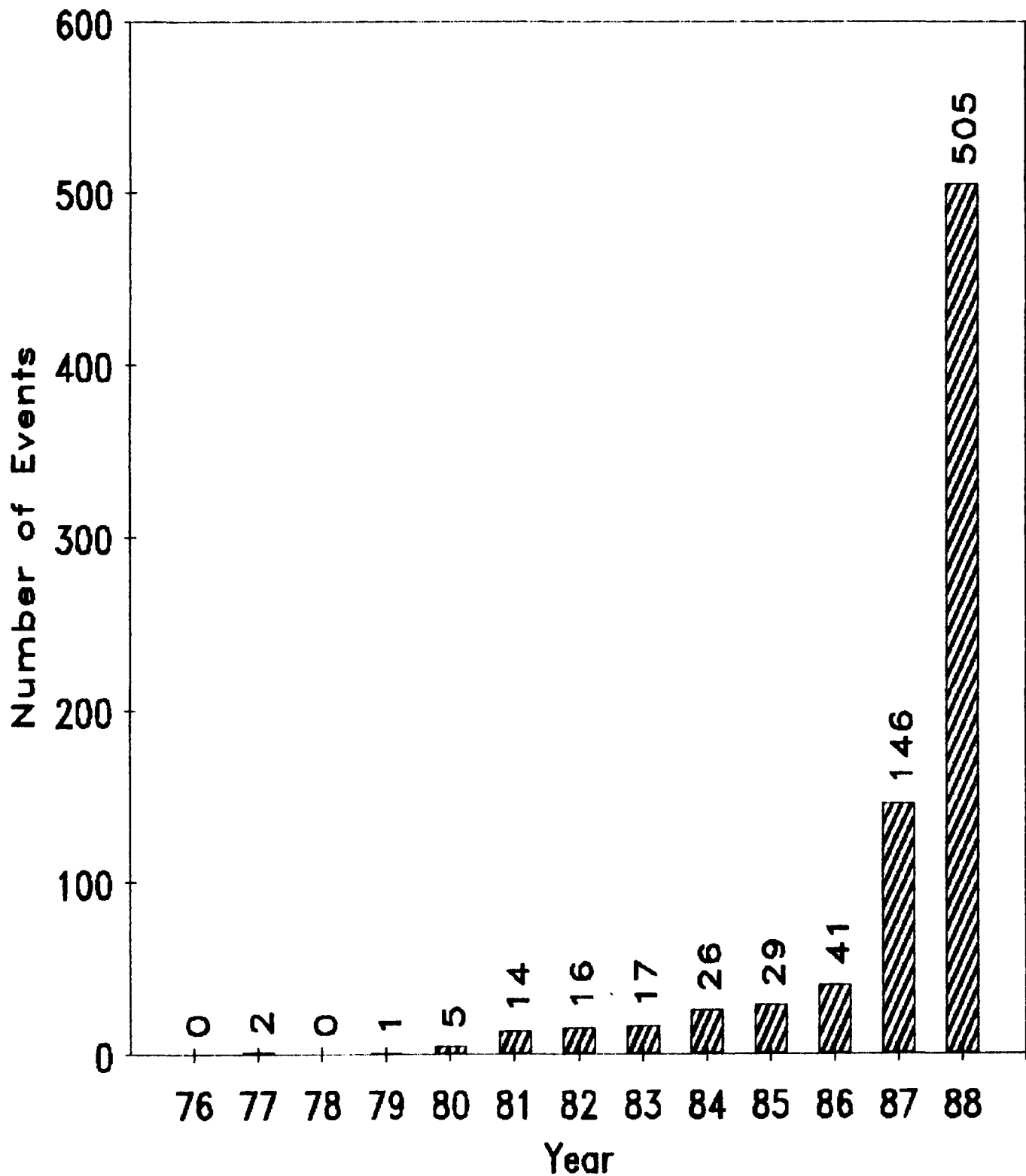


Figure 12

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(See instructions on the reverse)

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11. ABSTRACT (200 words or less)

The Safeguards Summary Event List provides brief summaries of hundreds of safeguards-related events involving nuclear material or facilities regulated by the U.S. Nuclear Regulatory Commission. Because of public interest, also included are events reported involving byproduct material which is exempt from safeguards requirements. Events are described under the categories: bomb-related, intrusion, missing/allegedly stolen, transportation-related, tampering/vandalism, arson, firearms-related, radiological sabotage, non-radiological sabotage, alcohol and drug related, and miscellaneous. Information in the event descriptions were obtained from official NRC reports.

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